



Moreno Valley Logistics Center

AIR QUALITY IMPACT ANALYSIS

CITY OF MORENO VALLEY

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LIST OF ABBREVIATED TERMS

(1)	Reference
µg/m ³	Microgram per Cubic Meter
AADT	Annual Average Daily Trips
AQIA	Air Quality Impact Analysis
AQMD	Air Quality Management District
AQMP	Air Quality Management Plan
ARB	California Air Resources Board
BACMs	Best Available Control Measures
BMPs	Best Management Practices
CAA	Federal Clean Air Act
CAAQS	California Ambient Air Quality Standards
CalEEMod	California Emissions Estimator Model
Caltrans	California Department of Transportation
CAPCOA	California Air Pollution Control Officers Association
CARB	California Air Resources Board
CCR	California Code of Regulations
CEQA	California Environmental Quality Act
CFR	Code of Federal Regulations
CO	Carbon Monoxide
DPM	Diesel Particulate Matter
EPA	Environmental Protection Agency
LST	Localized Significance Threshold
MMs	Mitigation Measures
NAAQS	National Ambient Air Quality Standards
NO ₂	Nitrogen Dioxide
NO _x	Oxides of Nitrogen
Pb	Lead
PM ₁₀	Particulate Matter 10 microns in diameter or less
PM _{2.5}	Particulate Matter 2.5 microns in diameter or less
PPM	Parts Per Million
Project	Moreno Valley Logistics Center
ROG	Reactive Organic Gases
SCAB	South Coast Air Basin
SCAQMD	South Coast Air Quality Management District
SIPs	State Implementation Plans
SRA	Source Receptor Area

TAC	Toxic Air Contaminant
TIA	Traffic Impact Analysis
TOG	Total Organic Gases
VMT	Vehicle Miles Traveled
VOC	Volatile Organic Compounds

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EXECUTIVE SUMMARY

CONSTRUCTION-SOURCE EMISSIONS

REGIONAL IMPACTS

For regional emissions, the Project will exceed the numerical thresholds of significance established by the South Coast Air Quality Management District (SCAQMD) for emissions of volatile organic compounds (VOCs) and oxides of nitrogen (NO_x) prior to implementation of applicable Best Available Control measures (BACMs) and mitigation measures (MMs).

Even after implementation of the applicable BACMs and MMs, construction activity emissions will exceed the numerical thresholds established by the SCAQMD for emissions of NO_x. Thus a significant impact will occur even with the implementation of applicable BACMs and MMs. Project construction-source NO_x emissions exceedances of applicable SCAQMD regional thresholds are therefore considered significant and unavoidable.

LOCALIZED IMPACTS

Without BACMs and MMs, emissions during construction activity will exceed the SCAQMD's localized significance threshold for emissions of NO₂, PM₁₀, and PM_{2.5}. It should be noted that the impacts without BACMs do not take credit for reductions achieved standard regulatory requirements (Rule 403). After implementation of applicable BACMs and MMs, the emissions resulting from short-term construction activity will not exceed the SCAQMD LST thresholds.

ODORS

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

OPERATIONAL-SOURCE EMISSIONS

REGIONAL IMPACTS

For regional emissions, the Project would exceed the numerical thresholds of significance established by the SCAQMD for emissions of VOCs and NO_x. Even with implementation of applicable MMs, no feasible mitigation measures exist (as shown in Section 4.6) that would reduce these emissions to levels that are less-than-significant. Project operational-source VOCs and NO_x emissions exceedances of applicable SCAQMD regional thresholds are therefore considered significant and unavoidable.

LOCALIZED IMPACTS

Project operational-source emissions would not result in or cause a significant localized air quality impact as discussed in the operational LSTs section of this report. The proposed Project would not result in a significant CO “hotspot” as a result of Project related traffic during ongoing operations, nor would the Project result in a significant adverse health impact as discussed in Section 3.8, thus a less than significant impact to sensitive receptors during operational activity is expected.

ODORS

Substantial odor-generating sources include land uses such as agricultural activities, feedlots, wastewater treatment facilities, landfills or various heavy industrial uses. The Project does not propose any such uses or activities that would result in potentially significant operational-source odor impacts. Potential sources of operational odors generated by the Project would include disposal of miscellaneous refuse. Moreover, SCAQMD Rule 402 acts to prevent occurrences of odor nuisances (1). Consistent with City requirements, all Project-generated refuse would be stored in covered containers and removed at regular intervals in compliance with solid waste regulations. Potential operational-source odor impacts are therefore considered less-than-significant.

1 INTRODUCTION

This report presents the results of the air quality impact analysis (AQIA) prepared by Urban Crossroads, Inc., for the proposed Moreno Valley Logistics Center (“Project”). The purpose of this AQIA is to evaluate the potential impacts to air quality associated with construction and operation of the proposed Project, and recommend measures to mitigate impacts considered potentially significant in comparison to established regulatory thresholds.

1.1 SITE LOCATION

The proposed Moreno Valley Logistics Center site is located south of Krameria Avenue between Heacock Street and Indian Street in the City of Moreno Valley, as shown on Exhibit 1-A. The Project site is currently vacant. Under existing conditions, the Project site is surrounded to the north and south by a mixture of industrial warehouse buildings and a few undeveloped and underutilized parcels that are designated by the Moreno Valley Industrial Area Plan (MVIAP) for future industrial development; to the west by March Air Reserve Base, and to the east by a single-family residential neighborhood. The Perris Valley Storm Drain Channel transects the Project site in a northwest to southeast direction. Approximately 15.3 acres of the Project site are located west of the Perris Valley Storm Drain Channel and approximately 74.1 acres of the Project site are located east of the Perris Valley Storm Drain Channel. (2) The Interstate 215 (I-215) Freeway is located approximately 1.3 miles west of the Project site.

1.2 PROJECT DESCRIPTION

The Project is proposed to consist of 1,351,770 square feet (sf) of high-cube warehouse use/distribution center within a single building (Building 1). Building 2, located on the southwest corner of Cosmos Street and Krameria Avenue, is proposed to consist of 122,516 sf of general light industrial use; Building 3, located at the eastern terminus of Cardinal Avenue, is proposed to consist of 97,222 sf of general light industrial use; and Building 4, located on the east of Heacock Street and south of Krameria Avenue (North), is proposed to consist of 166,010 sf of general light industrial use, as shown on Exhibit 1-B¹. This analysis accounts for emissions and impacts associated with tenants that require cold storage (refrigeration). For analytical purposes, a maximum of 10% cold storage is proposed and analyzed. The Project is anticipated to be constructed and occupied by Year 2017.

The Project also includes an alternate site plan that would omit Building 2 and construct a 166-space truck trailer parking lot in its place. In the event the alternate site plan is implemented, the truck trailer parking lot will be utilized as overflow parking for Building 1. The alternative site plan would not involve any changes to the intensity of use, size, location, configuration, or design of proposed Buildings 1, 3, or 4.

As part of the Project’s design, all on-site outdoor cargo handling equipment (CHE) (including yard trucks, hostlers, yard goats, pallet jacks, forklifts, and other on-site equipment) will be

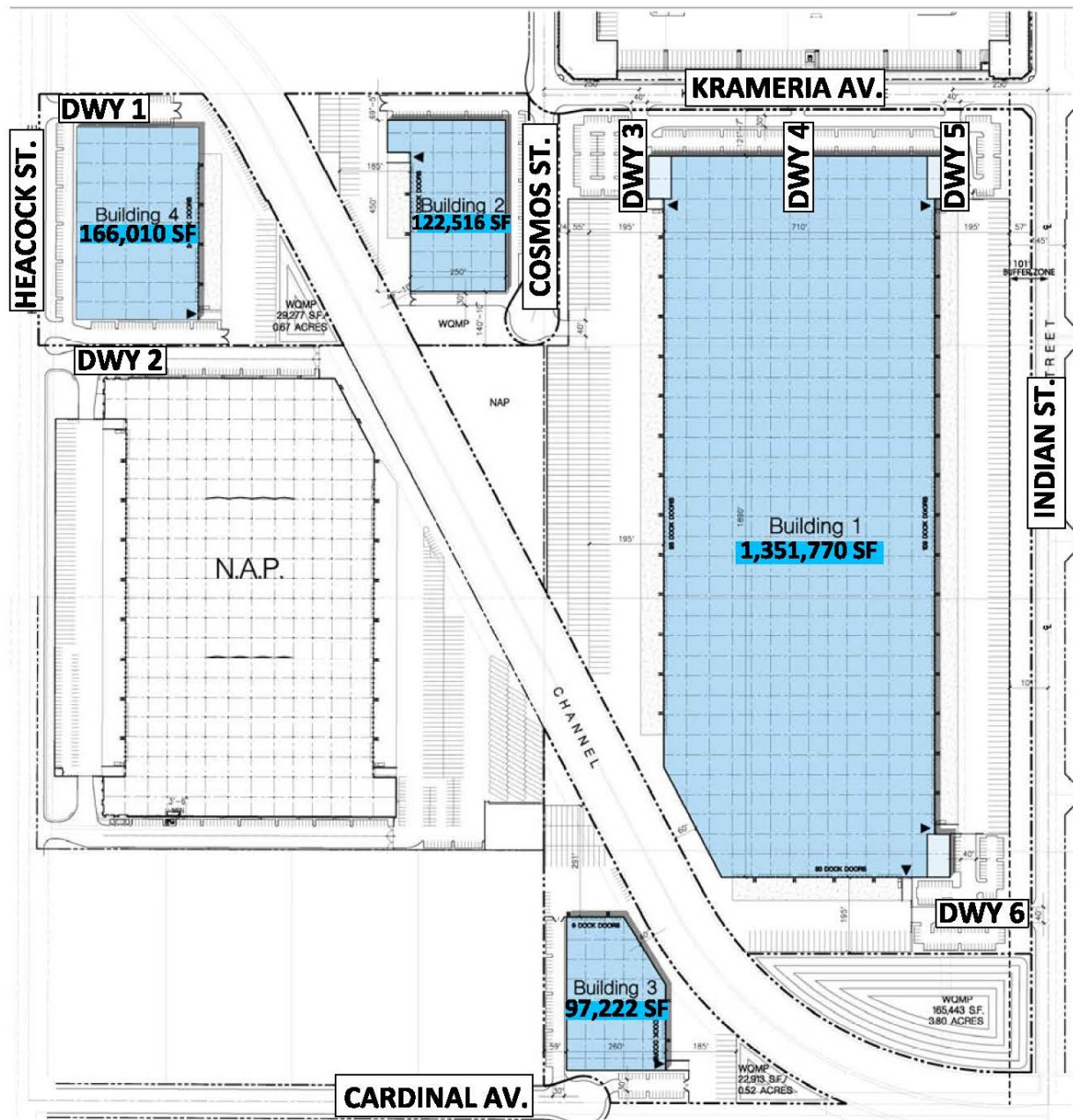
¹ This report analyzes a slightly higher general light industrial square footage (385,748 square feet compared to 384,417 square feet) than what was analyzed in the EIR. As such, the report represents a more conservative estimate of emissions.

powered by diesel fueled engines that comply with the California Air Resources Board (CARB)/U.S. EPA Tier IV Engine standards for off-road vehicles or better (defined as less than or equal to 0.015 g/bhp-hr for PM10) and all on-site indoor forklifts shall be powered by electricity, compressed natural gas, or propane.

EXHIBIT 1-A: LOCATION MAP



EXHIBIT 1-B: SITE PLAN



2 AIR QUALITY SETTING

This section provides an overview of the existing air quality conditions in the Project area and region.

2.1 SOUTH COAST AIR BASIN

The Project site is located in the South Coast Air Basin (SCAB) within the jurisdiction of SCAQMD (3). The SCAQMD was created by the 1977 Lewis-Presley Air Quality Management Act, which merged four county air pollution control bodies into one regional district. Under the Act, the SCAQMD is responsible for bringing air quality in areas under its jurisdiction into conformity with federal and state air quality standards. As discussed above, the Project site is located within the South Coast Air Basin, a 6,745-square mile subregion of the SCAQMD, which includes portions of Los Angeles, Riverside, and San Bernardino Counties, and all of Orange County. The larger South Coast district boundary includes 10,743 square miles.

The SCAB is bound by the Pacific Ocean to the west and the San Gabriel, San Bernardino, and San Jacinto Mountains to the north and east. The Los Angeles County portion of the Mojave Desert Air Basin is bound by the San Gabriel Mountains to the south and west, the Los Angeles / Kern County border to the north, and the Los Angeles / San Bernardino County border to the east. The Riverside County portion of the Salton Sea Air Basin is bound by the San Jacinto Mountains in the west and spans eastward up to the Palo Verde Valley.

2.2 REGIONAL CLIMATE

The regional climate has a substantial influence on air quality in the SCAB. In addition, the temperature, wind, humidity, precipitation, and amount of sunshine influence the air quality.

The annual average temperatures throughout the SCAB vary from the low to middle 60s (degrees Fahrenheit). Due to a decreased marine influence, the eastern portion of the SCAB shows greater variability in average annual minimum and maximum temperatures. January is the coldest month throughout the SCAB, with average minimum temperatures of 47°F in downtown Los Angeles and 36°F in San Bernardino. All portions of the SCAB have recorded maximum temperatures above 100°F.

Although the climate of the SCAB can be characterized as semi-arid, the air near the land surface is quite moist on most days because of the presence of a marine layer. This shallow layer of sea air is an important modifier of SCAB climate. Humidity restricts visibility in the SCAB, and the conversion of sulfur dioxide to sulfates is heightened in air with high relative humidity. The marine layer provides an environment for that conversion process, especially during the spring and summer months. The annual average relative humidity within the SCAB is 71 percent along the coast and 59 percent inland. Since the ocean effect is dominant, periods of heavy early morning fog are frequent and low stratus clouds are a characteristic feature. These effects decrease with distance from the coast.

More than 90 percent of the SCAB's rainfall occurs from November through April. The annual average rainfall varies from approximately nine inches in Riverside to fourteen inches in downtown Los Angeles. Monthly and yearly rainfall totals are extremely variable. Summer rainfall usually consists of widely scattered thunderstorms near the coast and slightly heavier shower activity in the eastern portion of the SCAB with frequency being higher near the coast.

Due to its generally clear weather, about three-quarters of available sunshine is received in the SCAB. The remaining one-quarter is absorbed by clouds. The ultraviolet portion of this abundant radiation is a key factor in photochemical reactions. On the shortest day of the year there are approximately 10 hours of possible sunshine, and on the longest day of the year there are approximately 14 1/2 hours of possible sunshine.

The importance of wind to air pollution is considerable. The direction and speed of the wind determines the horizontal dispersion and transport of the air pollutants. During the late autumn to early spring rainy season, the SCAB is subjected to wind flows associated with the traveling storms moving through the region from the northwest. This period also brings five to ten periods of strong, dry offshore winds, locally termed "Santa Anas" each year. During the dry season, which coincides with the months of maximum photochemical smog concentrations, the wind flow is bimodal, typified by a daytime onshore sea breeze and a nighttime offshore drainage wind. Summer wind flows are created by the pressure differences between the relatively cold ocean and the unevenly heated and cooled land surfaces that modify the general northwesterly wind circulation over southern California. Nighttime drainage begins with the radiational cooling of the mountain slopes. Heavy, cool air descends the slopes and flows through the mountain passes and canyons as it follows the lowering terrain toward the ocean. Another characteristic wind regime in the SCAB is the "Catalina Eddy," a low level cyclonic (counterclockwise) flow centered over Santa Catalina Island which results in an offshore flow to the southwest. On most spring and summer days, some indication of an eddy is apparent in coastal sections.

In the SCAB, there are two distinct temperature inversion structures that control vertical mixing of air pollution. During the summer, warm high-pressure descending (subsiding) air is undercut by a shallow layer of cool marine air. The boundary between these two layers of air is a persistent marine subsidence/inversion. This boundary prevents vertical mixing which effectively acts as an impervious lid to pollutants over the entire SCAB. The mixing height for the inversion structure is normally situated 1,000 to 1,500 feet above mean sea level.

A second inversion-type forms in conjunction with the drainage of cool air off the surrounding mountains at night followed by the seaward drift of this pool of cool air. The top of this layer forms a sharp boundary with the warmer air aloft and creates nocturnal radiation inversions. These inversions occur primarily in the winter, when nights are longer and onshore flow is weakest. They are typically only a few hundred feet above mean sea level. These inversions effectively trap pollutants, such as NOX and CO from vehicles, as the pool of cool air drifts seaward. Winter is therefore a period of high levels of primary pollutants along the coastline.

2.3 WIND PATTERNS AND PROJECT LOCATION

The distinctive climate of the Project area and the SCAB is determined by its terrain and geographical location. The Basin is located in a coastal plain with connecting broad valleys and low hills, bounded by the Pacific Ocean in the southwest quadrant with high mountains forming the remainder of the perimeter.

Wind patterns across the south coastal region are characterized by westerly and southwesterly on-shore winds during the day and easterly or northeasterly breezes at night. Winds are characteristically light although the speed is somewhat greater during the dry summer months than during the rainy winter season.

2.4 EXISTING AIR QUALITY

Existing air quality is measured at established SCAQMD air quality monitoring stations. Monitored air quality is evaluated in the context of ambient air quality standards. These standards are the levels of air quality that are considered safe, with an adequate margin of safety, to protect the public health and welfare. National Ambient Air Quality Standards (NAAQS) and California Ambient Air Quality Standards (CAAQS) currently in effect, as well as health effects of each pollutant regulated under these standards are shown in Table 2-1 (4) (5).

The determination of whether a region's air quality is healthful or unhealthful is determined by comparing contaminant levels in ambient air samples to the state and federal standards presented in Table 2-1. The air quality in a region is considered to be in attainment by the state if the measured ambient air pollutant levels for O₃, CO, SO₂, NO₂, PM₁₀, and PM_{2.5} are not equaled or exceeded at any time in any consecutive three-year period; and the federal standards (other than O₃, PM₁₀, PM_{2.5}, and those based on annual averages or arithmetic mean) are not exceeded more than once per year. The O₃ standard is attained when the fourth highest eight-hour concentration in a year, averaged over three years, is equal to or less than the standard. For PM₁₀, the 24 hour standard is attained when 99 percent of the daily concentrations, averaged over three years, are equal to or less than the standard.

TABLE 2-1 (1 OF 2): AMBIENT AIR QUALITY STANDARDS

Ambient Air Quality Standards						
Pollutant	Averaging Time	California Standards ¹		National Standards ²		
		Concentration ³	Method ⁴	Primary ^{3,5}	Secondary ^{3,6}	Method ⁷
Ozone (O ₃) ⁸	1 Hour	0.09 ppm (180 µg/m ³)	Ultraviolet Photometry	—	Same as Primary Standard	Ultraviolet Photometry
	8 Hour	0.070 ppm (137 µg/m ³)		0.070 ppm (137 µg/m ³)		
Respirable Particulate Matter (PM10) ⁹	24 Hour	50 µg/m ³	Gravimetric or Beta Attenuation	150 µg/m ³	Same as Primary Standard	Inertial Separation and Gravimetric Analysis
	Annual Arithmetic Mean	20 µg/m ³		—		
Fine Particulate Matter (PM2.5) ⁹	24 Hour	—	—	35 µg/m ³	Same as Primary Standard	Inertial Separation and Gravimetric Analysis
	Annual Arithmetic Mean	12 µg/m ³	Gravimetric or Beta Attenuation	12.0 µg/m ³	15 µg/m ³	
Carbon Monoxide (CO)	1 Hour	20 ppm (23 mg/m ³)	Non-Dispersive Infrared Photometry (NDIR)	35 ppm (40 mg/m ³)	—	Non-Dispersive Infrared Photometry (NDIR)
	8 Hour	9.0 ppm (10 mg/m ³)		9 ppm (10 mg/m ³)	—	
	8 Hour (Lake Tahoe)	6 ppm (7 mg/m ³)		—	—	
Nitrogen Dioxide (NO ₂) ¹⁰	1 Hour	0.18 ppm (339 µg/m ³)	Gas Phase Chemiluminescence	100 ppb (188 µg/m ³)	—	Gas Phase Chemiluminescence
	Annual Arithmetic Mean	0.030 ppm (57 µg/m ³)		0.053 ppm (100 µg/m ³)	Same as Primary Standard	
Sulfur Dioxide (SO ₂) ¹¹	1 Hour	0.25 ppm (655 µg/m ³)	Ultraviolet Fluorescence	75 ppb (196 µg/m ³)	—	Ultraviolet Fluorescence; Spectrophotometry (Pararosaniline Method)
	3 Hour	—		—	0.5 ppm (1300 µg/m ³)	
	24 Hour	0.04 ppm (105 µg/m ³)		0.14 ppm (for certain areas) ¹⁰	—	
	Annual Arithmetic Mean	—		0.030 ppm (for certain areas) ¹⁰	—	
Lead ^{12,13}	30 Day Average	1.5 µg/m ³	Atomic Absorption	—	—	High Volume Sampler and Atomic Absorption
	Calendar Quarter	—		1.5 µg/m ³ (for certain areas) ¹²	Same as Primary Standard	
	Rolling 3-Month Average	—		0.15 µg/m ³		
Visibility Reducing Particles ¹⁴	8 Hour	See footnote 13	Beta Attenuation and Transmittance through Filter Tape	No National Standards		
Sulfates	24 Hour	25 µg/m ³	Ion Chromatography			
Hydrogen Sulfide	1 Hour	0.03 ppm (42 µg/m ³)	Ultraviolet Fluorescence			
Vinyl Chloride ¹²	24 Hour	0.01 ppm (26 µg/m ³)	Gas Chromatography			

See footnotes on next page ...

See footnotes on next page ...

For more information please call ARB-PIO at (916) 322-2990

California Air Resources Board (10/1/15)

TABLE 2-1 (2 OF 2): AMBIENT AIR QUALITY STANDARDS

1. California standards for ozone, carbon monoxide (except 8-hour Lake Tahoe), sulfur dioxide (1 and 24 hour), nitrogen dioxide, and particulate matter (PM10, PM2.5, and visibility reducing particles), are values that are not to be exceeded. All others are not to be equaled or exceeded. California ambient air quality standards are listed in the Table of Standards in Section 70200 of Title 17 of the California Code of Regulations.
2. National standards (other than ozone, particulate matter, and those based on annual arithmetic mean) are not to be exceeded more than once a year. The ozone standard is attained when the fourth highest 8-hour concentration measured at each site in a year, averaged over three years, is equal to or less than the standard. For PM10, the 24 hour standard is attained when the expected number of days per calendar year with a 24-hour average concentration above $150 \mu\text{g}/\text{m}^3$ is equal to or less than one. For PM2.5, the 24 hour standard is attained when 98 percent of the daily concentrations, averaged over three years, are equal to or less than the standard. Contact the U.S. EPA for further clarification and current national policies.
3. Concentration expressed first in units in which it was promulgated. Equivalent units given in parentheses are based upon a reference temperature of 25°C and a reference pressure of 760 torr. Most measurements of air quality are to be corrected to a reference temperature of 25°C and a reference pressure of 760 torr; ppm in this table refers to ppm by volume, or micromoles of pollutant per mole of gas.
4. Any equivalent measurement method which can be shown to the satisfaction of the ARB to give equivalent results at or near the level of the air quality standard may be used.
5. National Primary Standards: The levels of air quality necessary, with an adequate margin of safety to protect the public health.
6. National Secondary Standards: The levels of air quality necessary to protect the public welfare from any known or anticipated adverse effects of a pollutant.
7. Reference method as described by the U.S. EPA. An "equivalent method" of measurement may be used but must have a "consistent relationship to the reference method" and must be approved by the U.S. EPA.
8. On October 1, 2015, the national 8-hour ozone primary and secondary standards were lowered from 0.075 to 0.070 ppm.
9. On December 14, 2012, the national annual PM2.5 primary standard was lowered from $15 \mu\text{g}/\text{m}^3$ to $12.0 \mu\text{g}/\text{m}^3$. The existing national 24-hour PM2.5 standards (primary and secondary) were retained at $35 \mu\text{g}/\text{m}^3$, as was the annual secondary standard of $15 \mu\text{g}/\text{m}^3$. The existing 24-hour PM10 standards (primary and secondary) of $150 \mu\text{g}/\text{m}^3$ also were retained. The form of the annual primary and secondary standards is the annual mean, averaged over 3 years.
10. To attain the 1-hour 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 ppb. Note that the national 1-hour standard is in units of parts per billion (ppb). California standards are in units of parts per million (ppm). To directly compare the national 1-hour standard to the California standards the units can be converted from ppb to ppm. In this case, the national standard of 100 ppb is identical to 0.100 ppm.
11. 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.

Note that the 1-hour national standard is in units of parts per billion (ppb). California standards are in units of parts per million (ppm). To directly compare the 1-hour national standard to the California standard the units can be converted to ppm. In this case, the national standard of 75 ppb is identical to 0.075 ppm.
12. 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.
13. The national standard for lead was revised on October 15, 2008 to a rolling 3-month average. The 1978 lead standard ($1.5 \mu\text{g}/\text{m}^3$ as a quarterly average) remains in effect until one year after an area is designated for the 2008 standard, except that in areas designated nonattainment for the 1978 standard, the 1978 standard remains in effect until implementation plans to attain or maintain the 2008 standard are approved.
14. 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.

For more information please call ARB-PIO at (916) 322-2990

California Air Resources Board (10/1/15)

2.5 REGIONAL AIR QUALITY

The SCAQMD monitors levels of various criteria pollutants at 30 monitoring stations throughout the air district. In 2014, the federal and state ambient air quality standards (NAAQS and CAAQS) were exceeded on one or more days for ozone, PM₁₀, and PM_{2.5} at most monitoring locations (6). No areas of the SCAB exceeded federal or state standards for NO₂, SO₂, CO, sulfates or lead. See Table 2-2 for attainment designations for the SCAB (7) (8). Appendix 3.1 provides geographic representation of the state and federal attainment status for applicable criteria pollutants within the SCAB.

TABLE 2-2: ATTAINMENT STATUS OF CRITERIA POLLUTANTS IN THE SOUTH COAST AIR BASIN (SCAB)

Criteria Pollutant	State Designation	Federal Designation
Ozone - 1hour standard	Nonattainment	No Standard
Ozone - 8 hour standard	Nonattainment	Nonattainment
PM ₁₀	Nonattainment	Attainment
PM _{2.5}	Nonattainment	Nonattainment
Carbon Monoxide	Attainment	Unclassified/Attainment
Nitrogen Dioxide	Attainment	Unclassified/Attainment
Sulfur Dioxide	Attainment	Attainment
Lead ²	Attainment	Unclassified/Attainment

Source: State/Federal designations were taken from <http://www.arb.ca.gov/design/adm/adm.htm>

Note: See Appendix 3.1 for a detailed map of State/National Area Designations within the South Coast Air Basin

2.6 LOCAL AIR QUALITY

Relative to the Project site, the nearest long-term air quality monitoring site for Ozone (O₃) and Particulate Matter ≤ 10 Microns (PM₁₀) is the South Coast Air Quality Management District Perris monitoring station (SRA 24), located approximately 8 miles south of the Project site (9). Data for Carbon Monoxide (CO), Nitrogen Dioxide (NO₂), and Ultra-Fine Particulates (PM_{2.5}) was obtained from the Metropolitan Riverside County 2 monitoring station (SRA 23), located approximately 15.5 miles northwest of the project site. It should be noted that the Metropolitan Riverside County 2 monitoring stations was utilized in lieu of the Perris monitoring station only where data was not available from the nearest monitoring site.

The most recent three (3) years of data available is shown on Table 2-3 and identifies the number of days ambient air quality standards were exceeded for the study area, which is ~~was~~ considered to be representative of the local air quality at the Project site (6) (10). Additionally, data for SO₂ has been omitted as attainment is regularly met in the South Coast Air Basin and few monitoring stations measure SO₂ concentrations.

² The Federal nonattainment designation for lead is only applicable towards the Los Angeles County portion of the SCAB.

TABLE 2-3: PROJECT AREA AIR QUALITY MONITORING SUMMARY 2012-2014

POLLUTANT	STANDARD	YEAR		
		2012	2013	2014
Ozone (O ₃)				
Maximum 1-Hour Concentration (ppm)		0.111	0.108	0.104
Maximum 8-Hour Concentration (ppm)		0.093	0.090	0.086
Number of Days Exceeding State 1-Hour Standard	> 0.09 ppm	28	17	4
Number of Days Exceeding State 8-Hour Standard	> 0.07 ppm	64	60	13
Number of Days Exceeding Federal 1-Hour Standard	> 0.12 ppm	0	0	0
Number of Days Exceeding Federal 8-Hour Standard	> 0.075 ppm	48	34	6
Number of Days Exceeding Health Advisory	≥ 0.15 ppm	0	0	0
Carbon Monoxide (CO)				
Maximum 1-Hour Concentration (ppm)		--	--	2.0
Maximum 8-Hour Concentration (ppm)		1.5	1.6	1.4
Number of Days Exceeding State 1-Hour Standard	> 20 ppm	--	0	0
Number of Days Exceeding Federal / State 8-Hour Standard	> 9.0 ppm	0	0	0
Number of Days Exceeding Federal 1-Hour Standard	> 35 ppm	0	0	0
Nitrogen Dioxide (NO ₂)				
Maximum 1-Hour Concentration (ppm)		0.060	0.058	0.056
Annual Arithmetic Mean Concentration (ppm)		0.017	0.016	0.016
Number of Days Exceeding State 1-Hour Standard	> 0.18 ppm	0	0	0
Particulate Matter ≤ 10 Microns (PM ₁₀)				
Maximum 24-Hour Concentration (µg/m ³)		62	70	87
Annual Arithmetic Mean (µg/m ³)		--	--	--
Number of Samples		60	57	60
Number of Samples Exceeding State Standard	> 50 µg/m ³	1	10	8
Number of Samples Exceeding Federal Standard	> 150 µg/m ³	0	0	0
Particulate Matter ≤ 2.5 Microns (PM _{2.5})				
Maximum 24-Hour Concentration (µg/m ³)		30.2	53.7	30.9
Annual Arithmetic Mean (µg/m ³)		11.4	11.2	10.9
Number of Samples Exceeding Federal 24-Hour Standard	> 35 µg/m ³	0	0	0

-- = data not available from SCAQMD or EPA

Criteria pollutants are pollutants that are regulated through the development of human health based and/or environmentally based criteria for setting permissible levels. Criteria pollutants, their typical sources, and effects are identified below:

- **Carbon Monoxide (CO):** Is a colorless, odorless gas produced by the incomplete combustion of carbon-containing fuels, such as gasoline or wood. CO concentrations tend to be the highest during the winter morning, when little to no wind and surface-based inversions trap the pollutant at ground levels. Because CO is emitted directly from internal combustion engines, unlike ozone, motor vehicles operating at slow speeds are the primary source of CO in the Basin. The highest ambient CO concentrations are generally found near congested transportation corridors and intersections.
- **Sulfur Dioxide (SO₂):** Is a colorless, extremely irritating gas or liquid. It enters the atmosphere as a pollutant mainly as a result of burning high sulfur-content fuel oils and coal and from chemical processes occurring at chemical plants and refineries. When SO₂ oxidizes in the atmosphere, it forms sulfates (SO₄). Collectively, these pollutants are referred to as sulfur oxides (SOX).
- **Nitrogen Oxides (Oxides of Nitrogen, or NO_x):** Nitrogen oxides (NO_x) consist of nitric oxide (NO), nitrogen dioxide (NO₂) and nitrous oxide (N₂O) and are formed when nitrogen (N₂) combines with oxygen (O₂). Their lifespan in the atmosphere ranges from one to seven days for nitric oxide and nitrogen dioxide, to 170 years for nitrous oxide. Nitrogen oxides are typically created during combustion processes, and are major contributors to smog formation and acid deposition. NO₂ is a criteria air pollutant, and may result in numerous adverse health effects; it absorbs blue light, resulting in a brownish-red cast to the atmosphere and reduced visibility. Of the seven types of nitrogen oxide compounds, NO₂ is the most abundant in the atmosphere. As ambient concentrations of NO₂ are related to traffic density, commuters in heavy traffic may be exposed to higher concentrations of NO₂ than those indicated by regional monitors.
- **Ozone (O₃):** Is a highly reactive and unstable gas that is formed when volatile organic compounds (VOCs) and nitrogen oxides (NO_x), both byproducts of internal combustion engine exhaust, undergo slow photochemical reactions in the presence of sunlight. Ozone concentrations are generally highest during the summer months when direct sunlight, light wind, and warm temperature conditions are favorable to the formation of this pollutant.
- **PM₁₀ (Particulate Matter less than 10 microns):** A major air pollutant consisting of tiny solid or liquid particles of soot, dust, smoke, fumes, and aerosols. The size of the particles (10 microns or smaller, about 0.0004 inches or less) allows them to easily enter the lungs where they may be deposited, resulting in adverse health effects. PM₁₀ also causes visibility reduction and is a criteria air pollutant.
- **PM_{2.5} (Particulate Matter less than 2.5 microns):** A similar air pollutant consisting of tiny solid or liquid particles which are 2.5 microns or smaller (which is often referred to as fine particles). These particles are formed in the atmosphere from primary gaseous emissions that include sulfates formed from SO₂ release from power plants and industrial facilities and nitrates that are formed from NO_x release from power plants, automobiles and other types of combustion sources. The chemical composition of fine particles highly depends on location, time of year, and weather conditions. PM_{2.5} is a criteria air pollutant.
- **Volatile Organic Compounds (VOC):** Volatile organic compounds are hydrocarbon compounds (any compound containing various combinations of hydrogen and carbon atoms) that exist in the ambient air. VOCs contribute to the formation of smog through atmospheric photochemical reactions and/or may be toxic. Compounds of carbon (also known as organic compounds) have different levels of reactivity; that is, they do not react at the same speed or do not form ozone to the same extent when exposed to photochemical processes. VOCs often have an odor, and some examples include gasoline, alcohol, and the solvents used in paints. Exceptions to the VOC designation include: carbon monoxide, carbon dioxide, carbonic acid, metallic carbides or

carbonates, and ammonium carbonate. VOCs are a criteria pollutant since they are a precursor to O₃, which is a criteria pollutant. The SCAQMD uses the terms VOC and ROG (see below) interchangeably.

- **Reactive Organic Gases (ROG):** Similar to VOC, Reactive Organic Gases (ROG) are also precursors in forming ozone and consist of compounds containing methane, ethane, propane, butane, and longer chain hydrocarbons, which are typically the result of some type of combustion/decomposition process. Smog is formed when ROG and nitrogen oxides react in the presence of sunlight. ROG is a criteria pollutant since they are a precursor to O₃, which is a criteria pollutant. The SCAQMD uses the terms ROG and VOC (see previous) interchangeably.
- **Lead (Pb):** Lead is a heavy metal that is highly persistent in the environment. In the past, the primary source of lead in the air was emissions from vehicles burning leaded gasoline. As a result of the removal of lead from gasoline, there have been no violations at any of the SCAQMD's regular air monitoring stations since 1982. Currently, emissions of lead are largely limited to stationary sources such as lead smelters. It should be noted that the Project is not anticipated to generate a quantifiable amount of lead emissions. Lead is a criteria air pollutant.

Health Effects of Air Pollutants

Ozone

Individuals exercising outdoors, children, and people with preexisting lung disease, such as asthma and chronic pulmonary lung disease, are considered to be the most susceptible subgroups for ozone effects. Short-term exposure (lasting for a few hours) to ozone at levels typically observed in Southern California can result in breathing pattern changes, reduction of breathing capacity, increased susceptibility to infections, inflammation of the lung tissue, and some immunological changes. Elevated ozone levels are associated with increased school absences. In recent years, a correlation between elevated ambient ozone levels and increases in daily hospital admission rates, as well as mortality, has also been reported. An increased risk for asthma has been found in children who participate in multiple sports and live in communities with high ozone levels.

Ozone exposure under exercising conditions is known to increase the severity of the responses described above. Animal studies suggest that exposure to a combination of pollutants that includes ozone may be more toxic than exposure to ozone alone. Although lung volume and resistance changes observed after a single exposure diminish with repeated exposures, biochemical and cellular changes appear to persist, which can lead to subsequent lung structural changes.

Carbon Monoxide

Individuals with a deficient blood supply to the heart are the most susceptible to the adverse effects of CO exposure. The effects observed include earlier onset of chest pain with exercise, and electrocardiograph changes indicative of decreased oxygen supply to the heart. Inhaled CO has no direct toxic effect on the lungs, but exerts its effect on tissues by interfering with oxygen transport and competing with oxygen to combine with hemoglobin present in the blood to form carboxyhemoglobin (COHb). Hence, conditions with an increased demand for oxygen supply can be adversely affected by exposure to CO. Individuals most at risk include fetuses,

patients with diseases involving heart and blood vessels, and patients with chronic hypoxemia (oxygen deficiency) as seen at high altitudes.

Reduction in birth weight and impaired neurobehavioral development have been observed in animals chronically exposed to CO, resulting in COHb levels similar to those observed in smokers. Recent studies have found increased risks for adverse birth outcomes with exposure to elevated CO levels; these include pre-term births and heart abnormalities.

Particulate Matter

A consistent correlation between elevated ambient fine particulate matter (PM₁₀ and PM_{2.5}) levels and an increase in mortality rates, respiratory infections, number and severity of asthma attacks and the number of hospital admissions has been observed in different parts of the United States and various areas around the world. In recent years, some studies have reported an association between long-term exposure to air pollution dominated by fine particles and increased mortality, reduction in life-span, and an increased mortality from lung cancer.

Daily fluctuations in PM_{2.5} concentration levels have also been related to hospital admissions for acute respiratory conditions in children, to school and kindergarten absences, to a decrease in respiratory lung volumes in normal children, and to increased medication use in children and adults with asthma. Recent studies show lung function growth in children is reduced with longterm exposure to particulate matter.

The elderly, people with pre-existing respiratory or cardiovascular disease, and children appear to be more susceptible to the effects of high levels of PM₁₀ and PM_{2.5}.

Nitrogen Dioxide

Population-based studies suggest that an increase in acute respiratory illness, including infections and respiratory symptoms in children (not infants), is associated with long-term exposure to NO₂ at levels found in homes with gas stoves, which are higher than ambient levels found in Southern California. Increase in resistance to air flow and airway contraction is observed after short-term exposure to NO₂ in healthy subjects. Larger decreases in lung functions are observed in individuals with asthma or chronic obstructive pulmonary disease (e.g., chronic bronchitis, emphysema) than in healthy individuals, indicating a greater susceptibility of these sub-groups.

In animals, exposure to levels of NO₂ considerably higher than ambient concentrations results in increased susceptibility to infections, possibly due to the observed changes in cells involved in maintaining immune functions. The severity of lung tissue damage associated with high levels of ozone exposure increases when animals are exposed to a combination of ozone and NO₂.

Sulfur Dioxide

A few minutes of exposure to low levels of SO₂ can result in airway constriction in some asthmatics, all of whom are sensitive to its effects. In asthmatics, increase in resistance to air flow, as well as reduction in breathing capacity leading to severe breathing difficulties, are

observed after acute exposure to SO₂. In contrast, healthy individuals do not exhibit similar acute responses even after exposure to higher concentrations of SO₂.

Animal studies suggest that despite SO₂ being a respiratory irritant, it does not cause substantial lung injury at ambient concentrations. However, very high levels of exposure can cause lung edema (fluid accumulation), lung tissue damage, and sloughing off of cells lining the respiratory tract.

Some population-based studies indicate that the mortality and morbidity effects associated with fine particles show a similar association with ambient SO₂ levels. In these studies, efforts to separate the effects of SO₂ from those of fine particles have not been successful. It is not clear whether the two pollutants act synergistically or one pollutant alone is the predominant factor.

Lead

Fetuses, infants, and children are more sensitive than others to the adverse effects of Pb exposure. Exposure to low levels of Pb can adversely affect the development and function of the central nervous system, leading to learning disorders, distractibility, inability to follow simple commands, and lower intelligence quotient. In adults, increased Pb levels are associated with increased blood pressure.

Pb poisoning can cause anemia, lethargy, seizures, and death; although it appears that there are no direct effects of Pb on the respiratory system. Pb can be stored in the bone from early age environmental exposure, and elevated blood Pb levels can occur due to breakdown of bone tissue during pregnancy, hyperthyroidism (increased secretion of hormones from the thyroid gland) and osteoporosis (breakdown of bony tissue). Fetuses and breast-fed babies can be exposed to higher levels of Pb because of previous environmental Pb exposure of their mothers.

Odors

The science of odor as a health concern is still new. Merely identifying the hundreds of VOCs that cause odors poses a big challenge. Offensive odors can potentially affect human health in several ways. First, odorant compounds can irritate the eye, nose, and throat, which can reduce respiratory volume. Second, studies have shown that the VOCs that cause odors can stimulate sensory nerves to cause neurochemical changes that might influence health, for instance, by compromising the immune system. Finally, unpleasant odors can trigger memories or attitudes linked to unpleasant odors, causing cognitive and emotional effects such as stress.

2.7 REGULATORY BACKGROUND

2.7.1 FEDERAL REGULATIONS

The U.S. EPA is responsible for setting and enforcing the NAAQS for O₃, CO, NO_x, SO₂, PM₁₀, and lead (4). The U.S. EPA has jurisdiction over emissions sources that are under the authority of the federal government including aircraft, locomotives, and emissions sources outside state waters (Outer Continental Shelf). The U.S. EPA also establishes emission standards for vehicles

sold in states other than California. Automobiles sold in California must meet the stricter emission requirements of the CARB.

The Federal Clean Air Act (CAA) was first enacted in 1955, and has been amended numerous times in subsequent years (1963, 1965, 1967, 1970, 1977, and 1990). The CAA establishes the federal air quality standards, the NAAQS, and specifies future dates for achieving compliance (11). The CAA also mandates that states submit and implement State Implementation Plans (SIPs) for local areas not meeting these standards. These plans must include pollution control measures that demonstrate how the standards will be met.

The 1990 amendments to the CAA that identify specific emission reduction goals for areas not meeting the NAAQS require a demonstration of reasonable further progress toward attainment and incorporate additional sanctions for failure to attain or to meet interim milestones. The sections of the CAA most directly applicable to the development of the Project site include Title I (Non-Attainment Provisions) and Title II (Mobile Source Provisions). Title I provisions were established with the goal of attaining the NAAQS for the following criteria pollutants O₃, NO₂, SO₂, PM₁₀, CO, PM_{2.5}, and lead. The NAAQS were amended in July 1997 to include an additional standard for O₃ and to adopt a NAAQS for PM_{2.5}. Table 2-1 (previously presented) provides the NAAQS within the basin.

Mobile source emissions are regulated in accordance with Title II provisions. These provisions require the use of cleaner burning gasoline and other cleaner burning fuels such as methanol and natural gas. Automobile manufacturers are also required to reduce tailpipe emissions of hydrocarbons and nitrogen oxides (NO_x). NO_x is a collective term that includes all forms of nitrogen oxides (NO, NO₂, NO₃) which are emitted as byproducts of the combustion process.

2.7.2 CALIFORNIA REGULATIONS

The CARB, which became part of the California EPA in 1991, is responsible for ensuring implementation of the California Clean Air Act (AB 2595), responding to the federal CAA, and for regulating emissions from consumer products and motor vehicles. The California CAA mandates achievement of the maximum degree of emissions reductions possible from vehicular and other mobile sources in order to attain the state ambient air quality standards by the earliest practical date. The CARB established the CAAQS for all pollutants for which the federal government has NAAQS and, in addition, establishes standards for sulfates, visibility, hydrogen sulfide, and vinyl chloride. However at this time, hydrogen sulfide and vinyl chloride are not measured at any monitoring stations in the SCAB because they are not considered to be a regional air quality problem. Generally, the CAAQS are more stringent than the NAAQS (5) (4).

Local air quality management districts, such as the SCAQMD, regulate air emissions from commercial and light industrial facilities. All air pollution control districts have been formally designated as attainment or non-attainment for each CAAQS.

Serious non-attainment areas are required to prepare air quality management plans that include specified emission reduction strategies in an effort to meet clean air goals. These plans are required to include:

- Application of Best Available Retrofit Control Technology to existing sources;
- Developing control programs for area sources (e.g., architectural coatings and solvents) and indirect sources (e.g. motor vehicle use generated by residential and commercial development);
- A District permitting system designed to allow no net increase in emissions from any new or modified permitted sources of emissions;
- Implementing reasonably available transportation control measures and assuring a substantial reduction in growth rate of vehicle trips and miles traveled;
- Significant use of low emissions vehicles by fleet operators;
- Sufficient control strategies to achieve a five percent or more annual reduction in emissions or 15 percent or more in a period of three years for ROG, NO_x, CO and PM₁₀. However, air basins may use alternative emission reduction strategy that achieves a reduction of less than five percent per year under certain circumstances.

2.7.3 AIR QUALITY MANAGEMENT PLANNING

Currently, the NAAQS and CAAQS are exceeded in most parts of the SCAB. In response, the SCAQMD has adopted a series of Air Quality Management Plans (AQMPs) to meet the state and federal ambient air quality standards (12). AQMPs are updated regularly in order to more effectively reduce emissions, accommodate growth, and to minimize any negative fiscal impacts of air pollution control on the economy. A detailed discussion on the AQMP and Project consistency with the AQMP is provided in Section 3.8.

2.8 REGIONAL AIR QUALITY IMPROVEMENT

The Project is within the jurisdiction of the SCAQMD. In 1976, California adopted the Lewis Air Quality Management Act which created SCAQMD from a voluntary association of air pollution control districts in Los Angeles, Orange, Riverside, and San Bernardino counties. The geographic area of which SCAQMD consists is known as the Basin. SCAQMD develops comprehensive plans and regulatory programs for the region to attain federal standards by dates specified in federal law. The agency is also responsible for meeting state standards by the earliest date achievable, using reasonably available control measures.

SCAQMD rule development through the 1970s and 1980s resulted in dramatic improvement in Basin air quality. Nearly all control programs developed through the early 1990s relied on (i) the development and application of cleaner technology; (ii) add-on emission controls, and (iii) uniform CEQA review throughout the Basin. Industrial emission sources have been significantly reduced by this approach and vehicular emissions have been reduced by technologies implemented at the state level by CARB.

As discussed above, the SCAQMD is the lead agency charged with regulating air quality emission reductions for the entire Basin. SCAQMD created AQMPs which represent a regional blueprint for achieving healthful air on behalf of the 16 million residents of the South Coast Basin. The remarkable historical improvement in air quality since the 1970's is the direct result of Southern California's comprehensive, multiyear strategy of reducing air pollution from all

sources as outlined in its Air Quality Management Plans (AQMPs) and by utilizing uniform CEQA review throughout the Basin.

The 2012 AQMP states, “ the remarkable historical improvement in air quality since the 1970’s is the direct result of Southern California’s comprehensive, multiyear strategy of reducing air pollution from all sources as outlined in its AQMPs,” (13). Ozone, NO_x, VOC, and CO have been decreasing in the Basin since 1975 and are projected to continue to decrease through 2020 (14). These decreases result primarily from motor vehicle controls and reductions in evaporative emissions. Although vehicle miles traveled in the Basin continue to increase, NO_x and VOC levels are decreasing because of the mandated controls on motor vehicles and the replacement of older polluting vehicles with lower-emitting vehicles. NO_x emissions from electric utilities have also decreased due to use of cleaner fuels and renewable energy. Ozone contour maps show that the number of days exceeding the national 8-hour standard has decreased between 1997 and 2007. In the 2007 period, there was an overall decrease in exceedance days compared with the 1997 period. The overall trends of PM₁₀ and PM_{2.5} in the air (not emissions) show an overall improvement since 1975. Direct emissions of PM₁₀ have remained somewhat constant in the Basin and direct emissions of PM_{2.5} have decreased slightly since 1975. Area wide sources (fugitive dust from roads, dust from construction and demolition, and other sources) contribute the greatest amount of direct particulate matter emissions.

Ozone levels in the SCAB have decreased substantially over the last 30 years as shown in Table 2-4 (15). Today, the maximum measured concentrations are approximately one-third of concentrations within the late 70’s.

As with other pollutants, the most recent PM₁₀ statistics also show overall improvement as illustrated in Table 2-5. During the period for which data are available, the 24-hour national annual average decreased by almost 45 percent, from 103.7 µg/m³ in 1989 to 57.6 µg/m³ in 2014. Although the values in the late 1990’s show some variability, this is probably due to meteorology rather than a change in emissions. Despite the overall decrease, ambient concentrations still exceed the State annual and 24-hour PM₁₀ standards. Similar to the ambient concentrations, the calculated number of days above the 24-hour PM₁₀ standards has also shown an overall drop. During 1995, there were 25 calculated days above the national standard. By 2014, there was one calculated national standard exceedance days (16).

Table 2-6 shows the most recent 24-hour average PM_{2.5} concentrations (national) in the SCAB from 1999 through 2014. Overall, the annual average concentrations have decreased by almost 52 percent. The calculated number of days above the national standard also decreased, from about 88 days in 1999 to about 9 days in 2014. The SCAB is currently designated as nonattainment for the State and national PM_{2.5} standards. Measures adopted as part of the upcoming PM_{2.5} SIP, as well as programs to reduce ozone and diesel PM will help in reducing public exposure to PM_{2.5} in this region.

The most recent Carbon dioxide concentrations in the SCAB 1986 are shown in Table 2-7 (17). Carbon monoxide concentrations in the SCAB have decreased markedly — a total decrease of more about 80 percent in the peak 8-hour concentration since 1986. The number of

exceedance days has also declined. The entire SCAB is now designated as attainment for both the state and national CO standards. Ongoing reductions from motor vehicle control programs should continue the downward trend in ambient CO concentrations.

TABLE 2-4: SOUTH COAST AIR BASIN OZONE TREND

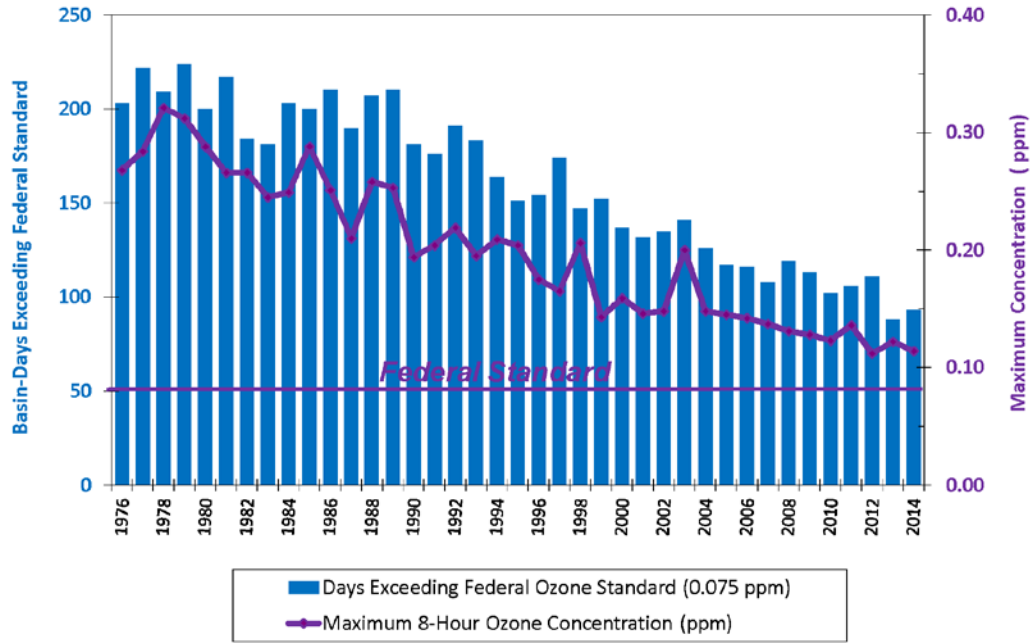


TABLE 2-5: SOUTH COAST AIR BASIN PM10 TREND

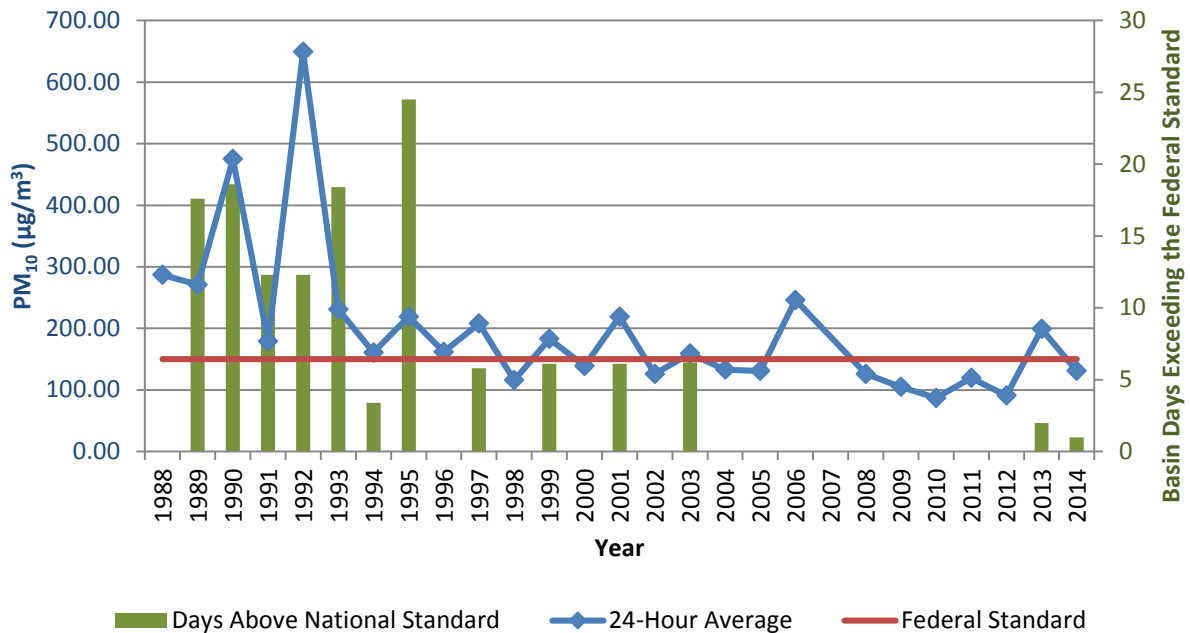


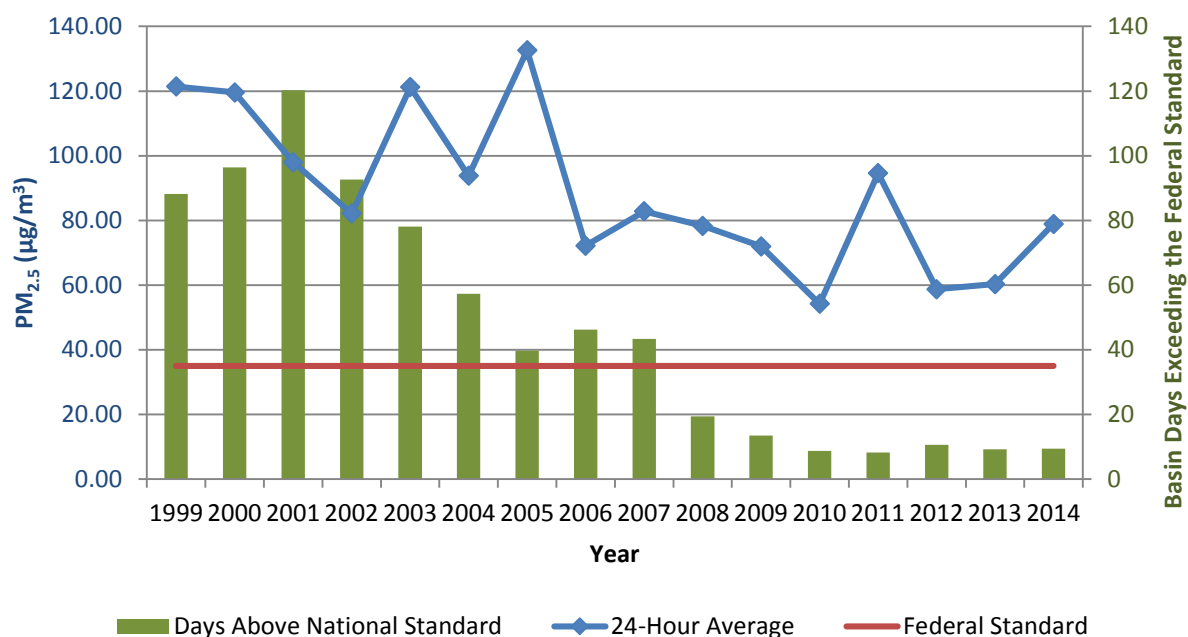
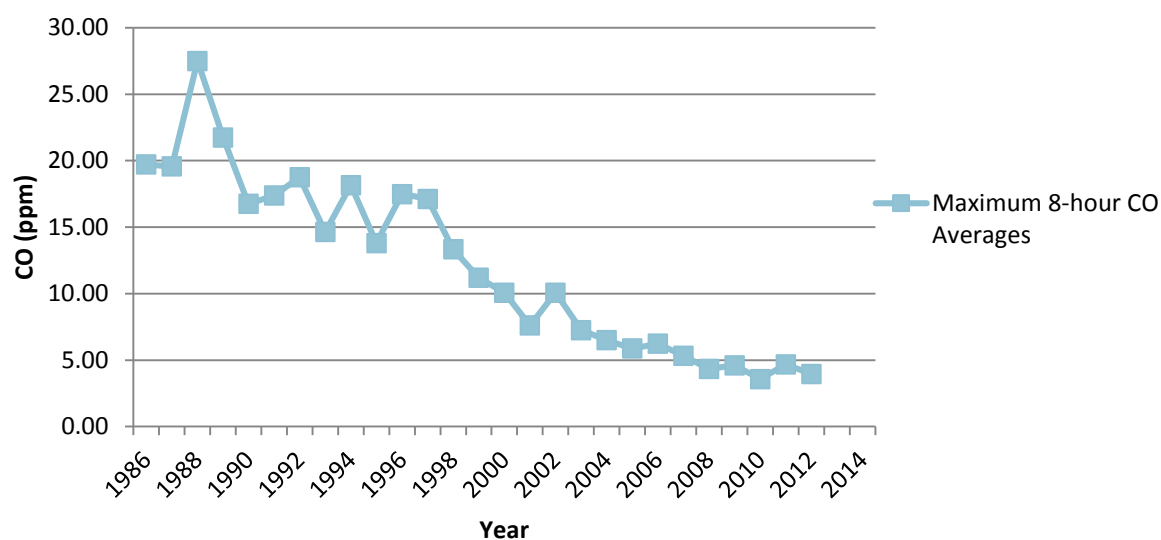
TABLE 2-6: SOUTH COAST AIR BASIN PM_{2.5} TREND

TABLE 2-7: SOUTH COAST AIR BASIN CARBON MONOXIDE TREND



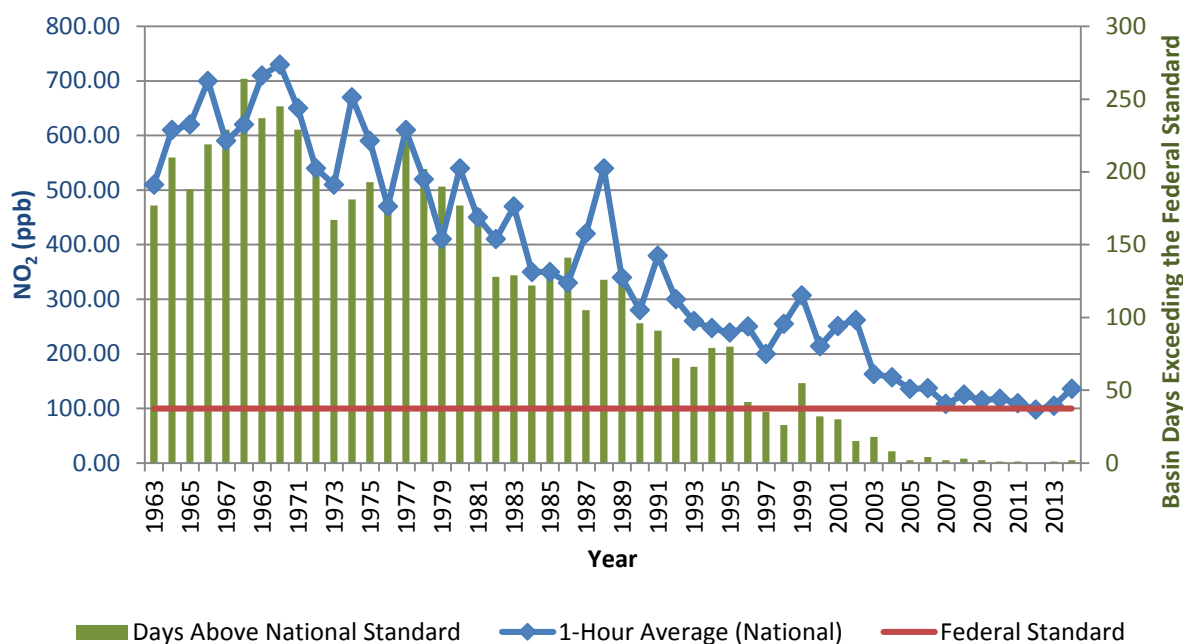
Part of the control process of the SCAQMD's duty to greatly improve the air quality in the Basin is the uniform CEQA review procedures required by SCAQMD's CEQA Handbook (18). The single threshold of significance used to assess Project direct and cumulative impacts has in fact "worked" as evidenced by the track record of the air quality in the Basin dramatically improving over the course of the past decades. As stated by the SCAQMD the District's thresholds of

significance are based on factual and scientific data and are therefore appropriate thresholds of significance to use for this Project.

The most recent NO₂ data for the SCAB is shown in Table 2-8 (17). Over the last 50 years, NO₂ values have decreased significantly; the peak 1-hour average for 2013 was almost 74 percent lower than what it was during 1963. The SCAB attained the State 1-hour NO₂ standard in 1994, bringing the entire State into attainment. A new state annual average standard of 0.030 parts per million was adopted by the ARB in February 2007 (19). The new standard is just barely exceeded in the South Coast. NO₂ is formed from NO_x emissions, which also contribute to ozone. As a result, the majority of the future emission control measures will be implemented as part of the overall ozone control strategy. Many of these control measures will target mobile sources, which account for more than three-quarters of California's NO_x emissions. These measures are expected to bring the South Coast into attainment of the State annual average standard.

The American Lung Association website includes data collected from State air quality monitors that are used to compile an annual State of the Air report. These reports have been published over the last 13 years. The latest State of the Air Report compiled for the Basin was in 2010 (20). As noted in this report, air quality in the Basin has significantly improved in terms of both pollution levels and high pollution days over the past three decades. The area's average number of high ozone days dropped from 189.5 day per year in the initial 2000 State of the Air report (1996–1998) to 141.8 in the 2006–2008 report. The region has seen dramatic reduction in particle pollution since the initial State of the Air report (20).

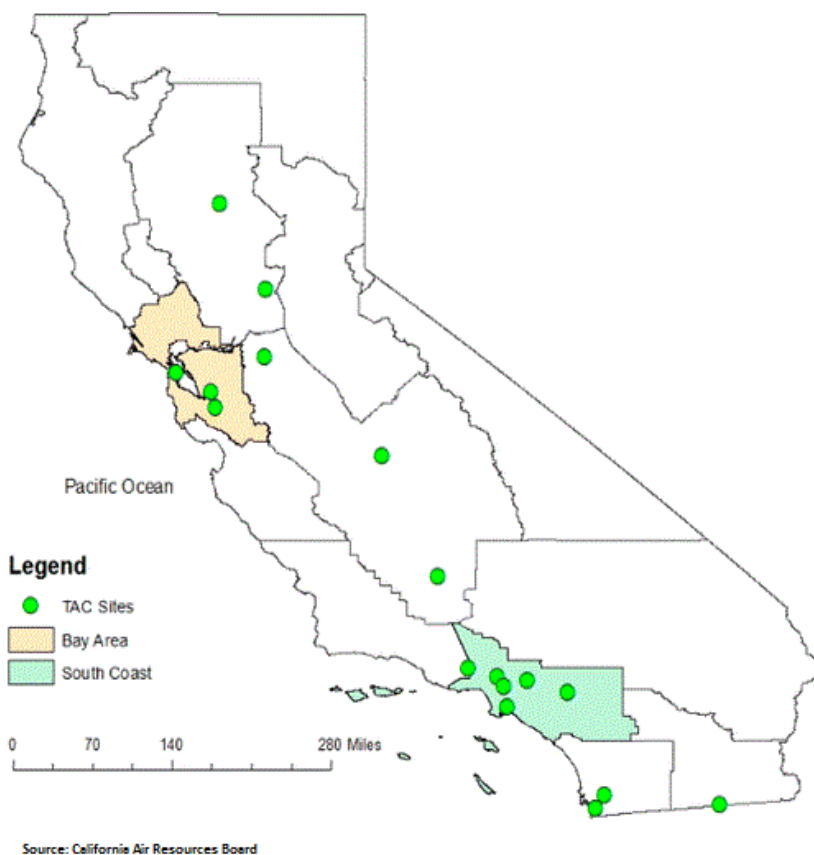
TABLE 2-8: SOUTH COAST AIR BASIN NITROGEN DIOXIDE TREND



TOXIC AIR CONTAMINANTS (TACs) TRENDS

In 1984, as a result of public concern for exposure to airborne carcinogens, the CARB adopted regulations to reduce the amount of air toxic contaminant emissions resulting from mobile and area sources, such as cars, trucks, stationary products, and consumer products. According to the *Ambient and Emission Trends of Toxic Air Contaminants in California* journal article which was prepared for CARB, results show that between 1990-2012, ambient concentration and emission trends for the seven TACs responsible for most of the known cancer risk associated with airborne exposure in California have declined significantly (21). The seven TACs studied shown below include those that are derived from mobile sources: diesel particulate matter (DPM), benzene, and 1,3-butadiene; those that are derived from stationary sources: perchloroethylene and hexavalent chromium; and those derived from photochemical reactions of emitted VOCs: formaldehyde and acetaldehyde³. TACs data was gathered at monitoring sites from both the Bay Area and South Coast Air Basins, as shown on Exhibit 2-A; Several of the sites in the SCAB include Reseda, Compton, Rubidoux, Burbank, and Fontana. The decline in ambient concentration and emission trends of these TACs are a result of various regulations CARB has implemented to address cancer risk.

EXHIBIT 2-A: CALIFORNIA TOXIC AIR CONTAMINANT SITES



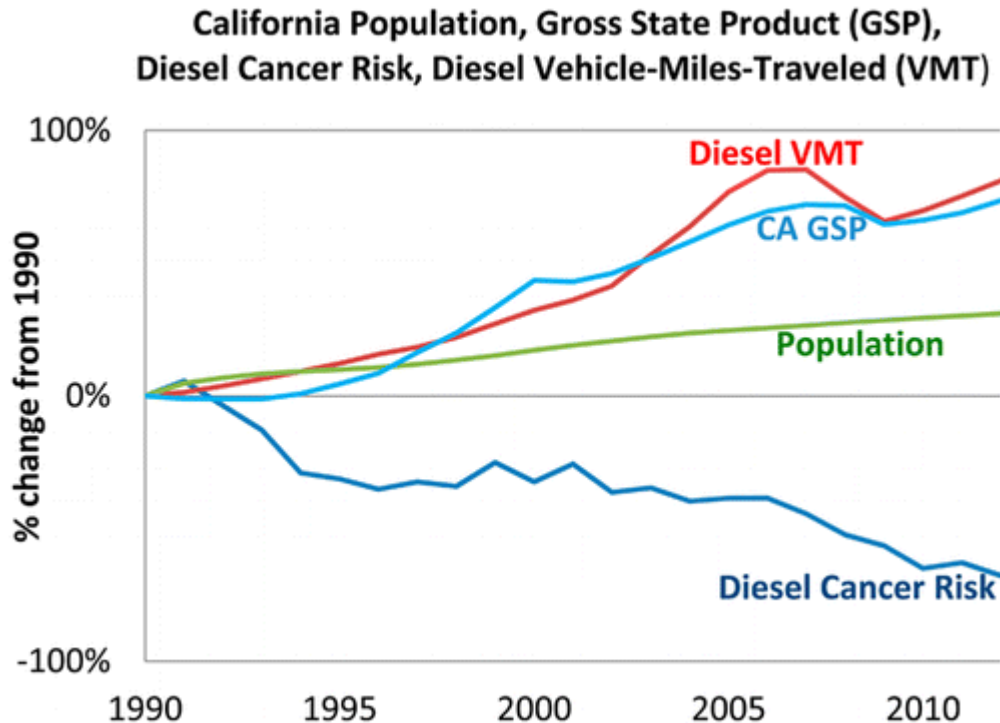
³ It should be noted that ambient DPM concentrations are not measured directly. Rather, a surrogate method using the coefficient of haze (COH) and elemental carbon (EC) is used to estimate DPM concentrations.

Mobile Source TACs

The CARB introduced two programs that aimed at reducing mobile emissions for light and medium duty vehicles through vehicle emissions controls and cleaner fuel. Since 1996, light-duty vehicles sold in California are equipped with California's second-generation On-Board Diagnostic (OBD-II) system as a result of about half of total car emissions stemming from emissions control device malfunctions. CARB's phase II Reformulated Gasoline (RFG-2) regulation, adopted in 1996, also led to a reduction of mobile source emissions. Through such regulations, benzene levels declined 88% from 1990-2012. 1,3-Butadiene concentrations also declined 85% from 1990-2012 as a result of the motor vehicle regulations (21).

In 2000, CARB's Diesel Risk Reduction Plan (DRRP) recommended the replacement and retrofit of diesel-fueled engines and the use of ultra-low-sulfur (<15ppm) diesel fuel. As a result of these measures, DPM concentrations have declined 68%, even though the state's population increased 31% and the amount of diesel vehicles miles traveled increased 81%, as shown on Exhibit 2-B. With the implementation of these diesel-related control regulations, ARB expects a DPM decline of 71% for 2000-2020.

EXHIBIT 2-B: DIESEL PARTICULATE MATTER AND DIESEL VEHICLE MILES TREND



Source: California Air Resources Board

Stationary Source TACs

Various regulations led to a decrease in perchloroethylene and hexavalent chromium, with a 92% and 86% decline, respectively. By 1993, several local air districts required dry cleaning businesses to use a carbon absorber and refrigerated condenser, as well as, dry-to-dry machines and closed-looped machines instead of vented transfer machines. Starting in 2003, California provided financial incentives for dry cleaners to use other solvents and soon after, the CARB banned the use of perchloroethylene in automotive products, aerosol coatings, and most consumer products. In 2007, CARB's dry cleaning regulation was amended to require phase-out of perchloroethylene machines by 2023, which would further reduce emissions to minimal levels (21).

Hexavalent chromium emissions began to decline in 1988 with the ARB-regulated regulations contributing to more than 97% emission reduction within four years. The various regulations include prohibiting the use of hexavalent chromium in cooling towers (1989), in motor vehicle and mobile equipment coatings (2001), and in thermal spraying operations (2005). By 2005, hexavalent chromium emissions were 99.97% less than in 1987, far exceeding expectations. In 2006, hexavalent chromium emissions were further reduced with the 2006 ARB regulation requiring add-on air pollution control devices and chemical fume suppressants.

Secondary TACs

Between 1996-2012, ambient concentrations of formaldehyde and acetaldehyde declined 22% and 21%, respectively. The decline in these TACs are attributed from increasingly stringent motor vehicle exhaust emission standards, vehicle fleet turnover, fuel reformulation, and the switch from MTBE (formaldehyde precursor) to ethanol in gasoline (21).

As previously discussed, ambient and emissions levels of TACs have reduced significantly from 1990-2012. The overall declining trend in TACs is expected to continue in California from implementation of toxic air controls.

DIESEL REGULATIONS

The CARB and the Ports of Los Angeles and Long Beach have adopted several iterations of regulations for diesel trucks that are aimed at reducing diesel particulate matter (DPM). More specifically, the CARB Drayage Truck Regulation (22), the CARB statewide On-road Truck and Bus Regulation (23), and the Ports of Los Angeles and Long Beach "Clean Truck Program" (CTP) require accelerated implementation of "clean trucks" into the statewide truck fleet (24). In other words, older more polluting trucks will be replaced with newer, cleaner trucks as a function of these regulatory requirements.

Moreover, the average statewide DPM emissions for Heavy Duty Trucks (HHDT), in terms of grams of DPM generated per mile traveled, will dramatically be reduced due to the aforementioned regulatory requirements.

Diesel emissions identified in this analysis would therefore overstate future DPM emissions since not all the regulatory requirements are reflected in the modeling.

CANCER RISK TRENDS

Based on information available from CARB, overall cancer risk throughout the basin has had a declining trend since 1990. In 1998, following an exhaustive 10-year scientific assessment process, the State of California Air Resources Board (ARB) identified particulate matter from diesel-fueled engines as a toxic air contaminant. The SCAQMD initiated a comprehensive urban toxic air pollution study, called MATES-II (for Multiple Air Toxics Exposure Study). MATES-II showed that average cancer risk in the SCAB ranges from 1,100 in a million to 1,750 in a million, with an average regional risk of about 1,400 in a million. Moreover, diesel particulate matter (DPM) accounts for more than 70 percent of the cancer risk.

In 2008 the SCAQMD prepared an update to the MATES-II study, referred to as MATES-III. MATES-III estimates the average excess cancer risk level from exposure to TACs is approximately 1,200 in one million basin-wide (a decrease in a regional risk by 200 in a million in comparison to the MATES-II study).

Nonetheless, the SCAQMD's most recent in-depth analysis of the toxic air contaminants and their resulting health risks for all of Southern California was from the *Multiple Air Toxics Exposure Study in the South Coast Air Basin, MATES IV*, which shows that cancer risk has decreased more than 50% between MATES III (2005) and MATES IV (2012) (25).

MATES-IV study represents the baseline health risk for a cumulative analysis. MATES-IV estimates the average excess cancer risk level from exposure to TACs is less than 400 in one million basin-wide. These model estimates were based on monitoring data collected at ten fixed sites within the South Coast Air Basin. None of the fixed monitoring sites are within the local area of the Project site. However, MATES-IV has extrapolated the excess cancer risk levels throughout the basin by modeling the specific grids. MATES-IV modeling predicted an excess cancer risk of 518.16 in one million for the Project area. DPM is included in this cancer risk along with all other TAC sources. DPM accounts for 68% of the total risk shown in MATES-IV. Cumulative Project generated TACs are limited to DPM.

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3 PROJECT AIR QUALITY IMPACT

3.1 INTRODUCTION

The Project has been evaluated to determine if it will violate an air quality standard or contribute to an existing or projected air quality violation. Additionally, the Project has been evaluated to determine if it will result in a cumulatively considerable net increase of a criteria pollutant for which the SCAB is non-attainment under an applicable federal or state ambient air quality standard. The significance of these potential impacts is described in the following section.

3.2 STANDARDS OF SIGNIFICANCE

The criteria used to determine the significance of potential Project-related air quality impacts are taken from the Initial Study Checklist in Appendix G of the State CEQA Guidelines (14 California Code of Regulations §§15000, et seq.). Based on these thresholds, a project would result in a significant impact related to air quality if it would (26):

- Conflict with or obstruct implementation of the applicable air quality plan.
- Violate any air quality standard or contribute to an existing or projected air quality violation.
- Result in a cumulatively considerable net increase of any criteria pollutant for which the project region is in non-attainment under an applicable federal or state ambient air quality standard (including releasing emissions, which exceed quantitative thresholds for ozone precursors).
- Expose sensitive receptors to substantial pollutant concentrations.
- Create objectionable odors affecting a substantial number of people.

Within the context of the above threshold considerations, and based on the SCAQMD's CEQA Air Quality Handbook (1993), a project's localized CO emissions impacts would be significant if they exceed the following California standards for localized CO concentrations (18):

- 1-hour CO standard of 20.0 parts per million (ppm)
- 8-hour CO standard of 9.0 ppm.

The SCAQMD has also developed regional thresholds for other regulated pollutants, as summarized at Table 3-1 (27). The SCAQMD's CEQA Air Quality Significance Thresholds (March 2011) indicate that any projects in the SCAB with daily emissions that exceed any of the indicated thresholds should be considered as having an individually and cumulatively significant air quality impact.

TABLE 3-1: MAXIMUM DAILY REGIONAL EMISSIONS 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
CO	550 lbs/day	550 lbs/day
Lead	3 lbs/day	3 lbs/day

3.3 PROJECT-RELATED SOURCES OF POTENTIAL IMPACT

Land uses such as the Project affect air quality through construction-source and operational-source emissions.

On October 2, 2013, the SCAQMD in conjunction with the California Air Pollution Control Officers Association (CAPCOA) released the latest version of the California Emissions Estimator Model™ (CalEEMod™) v2013.2.2. The purpose of this model is to calculate construction-source and operational-source criteria pollutant (NO_x, VOC, PM₁₀, PM_{2.5}, SO_x, and CO) and greenhouse gas (GHG) emissions from direct and indirect sources; and quantify applicable air quality and GHG reductions achieved from mitigation measures (28). Accordingly, the latest version of CalEEMod™ has been used for this Project to determine construction and operational air quality emissions. Output from the model runs for both construction and operational activity are provided in Appendix 3.2.

3.4 CONSTRUCTION EMISSIONS

Construction activities associated with the Project will result in emissions of CO, VOCs, NO_x, SO_x, PM₁₀, and PM_{2.5}. Construction related emissions are expected from the following construction activities:

- Grading
- Trenching
- Concrete Shell
- Steel & Roof
- Roofing & Overhead Work
- Architectural Coating
- Misc. Finishes
- Construction Workers Commuting

Construction is expected to commence in April 2016 and will last through May 2017. Construction duration by phase is shown on Table 3-2. The construction schedule utilized in the

analysis represents a “worst-case” analysis scenario should construction occur any time after the respective dates since emission factors for construction decrease as time passes and the analysis year increases due to emission regulations becoming more stringent.⁴ The duration of construction activity and associated equipment represents a reasonable approximation of the expected construction fleet as required per CEQA guidelines. Site specific construction fleet may vary due to specific project needs at the time of construction. The duration of construction activity was estimated based on consultation with the applicant and a 2017 opening year. Associated equipment was estimated based on consultation with the applicant and past project experience. Please refer to specific detailed modeling inputs/outputs contained in Appendix 3.2 of this analysis. A detailed summary of construction equipment assumptions by phase is provided at Table 3-3. It should be noted that the construction equipment estimates provided at Table 3-3 represent a “worst-case” (i.e. overestimation) of actual construction equipment that will likely be used during construction activities.

Dust is typically a major concern during rough grading activities. Because such emissions are not amenable to collection and discharge through a controlled source, they are called “fugitive emissions”. Fugitive dust emissions rates vary as a function of many parameters (soil silt, soil moisture, wind speed, area disturbed, number of vehicles, depth of disturbance or excavation, etc.). The CalEEMod model was utilized to calculate fugitive dust emissions resulting from this phase of activity. A review of aerial images show there are no existing structures, thus no demolition is needed. It is our understanding that the site is expected to balance, therefore no import/export of soil is needed.

Construction emissions for construction worker vehicles traveling to and from the Project site, as well as vendor trips (construction materials delivered to the Project site) were estimated based on information from the applicant and the CalEEMod model.

OFF-SITE UTILITY AND INFRASTRUCTURE IMPROVEMENTS

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

ALTERNATE SITE PLAN CONSTRUCTION IMPACTS

As previously discussed, the alternate site plan replaces construction of Building 2 with the construction of additional truck trailer parking in its place, thus reducing total building area. Should the alternate site plan be implemented, construction-source impacts would not exceed the level of construction-source impacts analyzed within the current Project scenario. As such, the Project scenario analysis represents a “worst-case” analysis scenario.

⁴ As shown in the California Emissions Estimator Model (CalEEMod) User's Guide Version 2013.2, Table 3.4 “OFFROAD Equipment Emission Factors” as the analysis year increases, emission factors for the same equipment pieces decrease due to the natural turnover of older equipment being replaced by newer less polluting equipment and new regulatory requirements.

TABLE 3-2: CONSTRUCTION DURATION

Schedule	CalEEMod Name	Start Date	End Date	Number of days
Phase 1				
Building 1				
Grading 1	Grading	4/29/2016	6/30/2016	45
Trenching 1	Trenching	7/1/2016	11/15/2016	98
Concrete Shell 1	Building Construction	7/1/2016	10/24/2016	82
Steel & Roof 1	Building Construction	9/30/2016	12/5/2016	47
Roofing & Overhead Work 1	Building Construction	11/1/2016	1/5/2017	48
Architectural Coatings 1	Architectural Coating	12/7/2016	1/30/2017	39
Misc. Finishes 1	Paving	1/20/2017	4/20/2017	65
Paving 1	Paving	12/23/2016	4/26/2017	89
Building 2				
Grading 2	Grading	7/1/2016	7/20/2016	14
Trenching 2	Trenching	7/15/2016	8/31/2016	34
Concrete Shell 2	Building Construction	7/22/2016	9/29/2016	50
Steel & Roof 2	Building Construction	9/30/2016	10/31/2016	22
Roofing & Overhead Work 2	Building Construction	10/28/2016	11/29/2016	23
Architectural Coatings 2	Architectural Coating	11/14/2016	12/7/2016	18
Misc. Finishes 2	Paving	11/18/2016	12/29/2016	30
Paving 2	Paving	11/8/2016	12/15/2016	28
Phase 2				
Building 3				
Grading 3	Grading	8/4/2016	8/19/2016	12
Trenching 3	Trenching	8/15/2016	9/28/2016	33
Concrete Shell 3	Building Construction	8/22/2016	10/25/2016	47
Steel & Roof 3	Building Construction	10/26/2016	11/22/2016	20
Roofing & Overhead Work 3	Building Construction	11/23/2016	12/22/2016	22
Architectural Coatings 3	Architectural Coating	12/8/2016	1/2/2017	18
Misc. Finishes 3	Paving	12/8/2016	1/17/2017	29
Paving 3	Paving	12/2/2016	1/10/2017	28
Building 4				
Grading 4	Grading	8/22/2016	9/14/2016	18
Trenching 4	Trenching	9/8/2016	10/26/2016	35
Concrete Shell 4	Building Construction	9/15/2016	11/23/2016	50
Steel & Roof 4	Building Construction	11/24/2016	12/26/2016	23
Roofing & Overhead Work 4	Building Construction	12/27/2016	1/27/2017	24
Architectural Coatings 4	Architectural Coating	1/11/2017	2/7/2017	20
Misc. Finishes 4	Paving	1/17/2017	2/28/2017	31
Paving 4	Paving	1/12/2017	3/2/2017	36

TABLE 3-3: CONSTRUCTION EQUIPMENT (1 OF 2)

Phase Name	Vehicle Type	Number	Hours Per Day	CalEEMod Name	Horsepower
Building 1					
Grading	657 Scraper	8	8	Scraper	452
	Cat D9L	1	8	Crawler Tractor	410
	934 Dozer/Compactor	1	8	Rubber Tired Dozer	451
	631 Water Pull	2	8	Off-Highway Tractors	485
	4000 gal Water Truck	2	8	Other Construction Equip.	354
	Cat 14 Blade	1	8	Grader	302
	210 Skip Loader	1	8	Rubber Tired Loader	350
	623 Elevating Scraper	3	8	Other General Industrial Equipment	330
Trenching	Skip Loader	2	8	Rubber Tired Loader	350
	Cat 460 Backhoe	2	8	Tractors/Loaders/Backhoes	110
	966 Front End	2	8	Other Material Handling Equipment	249
	330 Excavator	2	8	Excavator	268
	Water Truck	2	8	Other Construction Equip.	354
Concrete Shell	Backhoe	4	8	Tractors/Loaders/Backhoes	110
	Readymix Truck	Accounted for in CalEEMod Inputs-Trips and VMTs section			
	Lazerscreed	1	8	Other Construction Equip.	354
	Finishing Machine	1	8	Other Construction Equip.	354
	Boom Pump	1	8	Other Construction Equip.	354
	Gradall	2	8	Other Construction Equip.	354
Steel & Roof	30 Ton Crane	2	8	Crane	215
	Weld Machine	2	8	Other Construction Equip.	354
	Gradall	1	8	Other Construction Equip.	354
Roofing & Overhead Work	Gradall	1	8	Other Construction Equip.	354
	Forklift	2	8	Forklifts	110
	Tanker (Tar)	2	8	Other Construction Equip.	354
	Scissor Lift	3	8	Aerial Lifts	48
Architectural Coating	Boom Lift	4	8	Other Construction Equip.	354
Misc. Finishes	Scissor Lift	2	8	Aerial Lifts	48
	Boom Lift	2	8	Other Construction Equip.	354
Paving	Lazerscreed	1	8	Other Construction Equip.	354
	Skip Loader	2	8	Rubber Tired Loader	350
	Readymix Truck	Accounted for in CalEEMod Inputs-Trips and VMTs section			
	Trenching Machine	1	8	Trencher	81

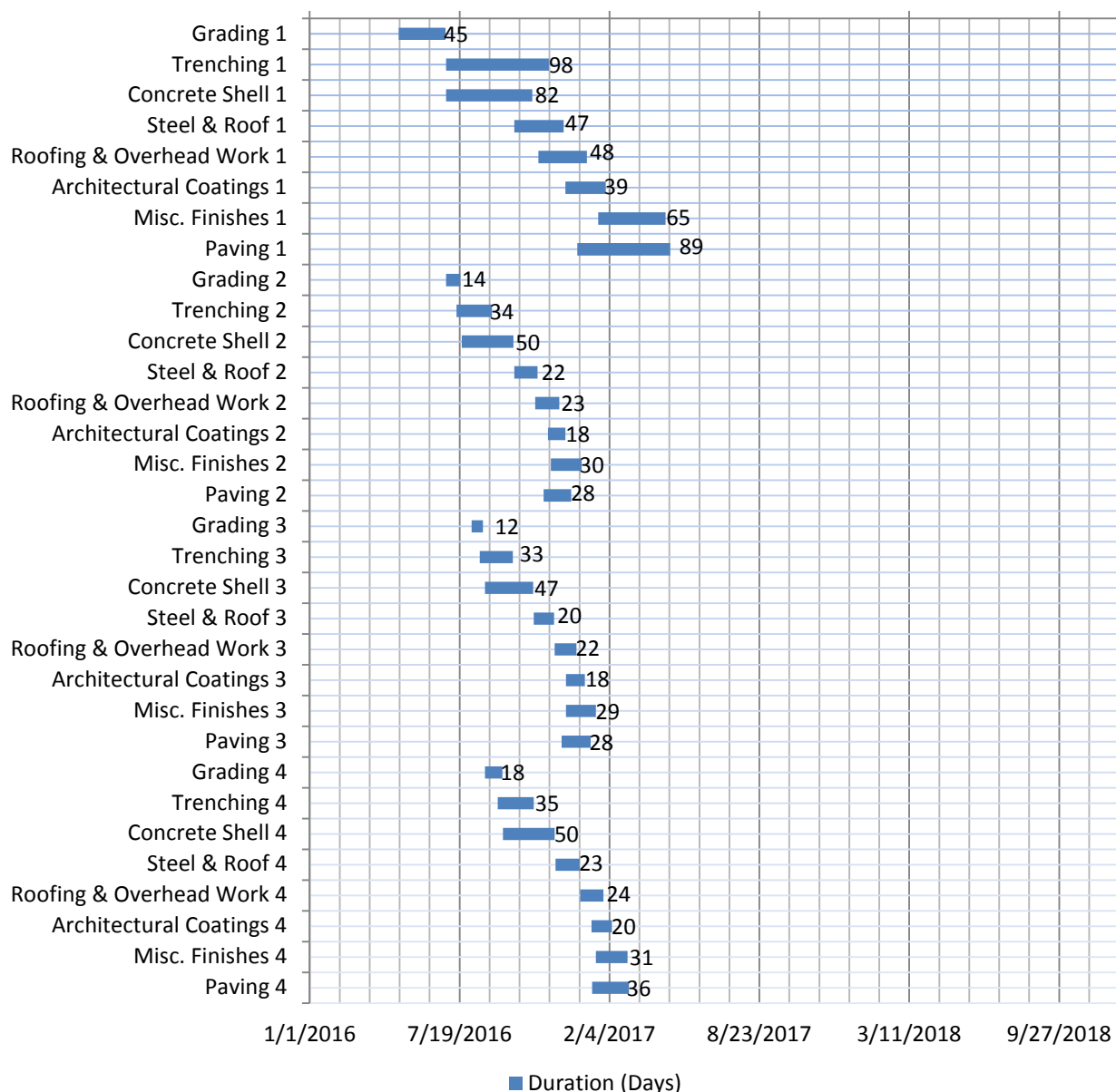
TABLE 3-3: CONSTRUCTION EQUIPMENT (2 OF 2)

Phase Name	Vehicle Type	Number	Hours Per Day	CalEEMod Name	Horsepower
Buildings 2,3,4 (each)					
Grading	657 Scraper	3	8	Scraper	452
	Cat D9L	1	8	Crawler Tractor	410
	4000 gal Water Truck	1	8	Other Construction Equip.	354
	Cat 14 Blade	1	8	Grader	302
	210 Skip Loader	1	8	Rubber Tired Loader	350
	623 Elevating Scraper	1	8	Other General Industrial Equipment	330
Trenching	Skip Loader	1	8	Rubber Tired Loader	350
	Cat 460 Backhoe	1	8	Tractors/Loaders/Backhoes	110
	966 Front End	1	8	Other Material Handling Equipment	249
	330 Excavator	1	8	Excavator	268
	Water Truck	1	8	Other Construction Equip.	354
Concrete Shell	Backhoe	2	8	Tractors/Loaders/Backhoes	110
	Readymix Truck	Accounted for in CalEEMod Inputs-Trips and VMTs section			
	Lazerscreed	1	8	Other Construction Equip.	354
	Finishing Machine	1	8	Other Construction Equip.	354
	Boom Pump	1	8	Other Construction Equip.	354
	Gradall	1	8	Other Construction Equip.	354
Steel & Roof	30 Ton Crane	1	8	Crane	215
	Weld Machine	1	8	Other Construction Equip.	354
	Gradall	1	8	Other Construction Equip.	354
Roofing & Overhead Work	Gradall	1	8	Other Construction Equip.	354
	Forklift	1	8	Forklifts	110
	Tanker (Tar)	1	8	Other Construction Equip.	354
	Scissor Lift	1	8	Aerial Lifts	48
Architectural Coating	Boom Lift	1	8	Other Construction Equip.	354
Misc. Finishes	Scissor Lift	1	8	Aerial Lifts	48
	Boom Lift	1	8	Other Construction Equip.	354
Paving	Lazerscreed	1	8	Other Construction Equip.	354
	Skip Loader	1	8	Rubber Tired Loader	350
	Readymix Truck	Accounted for in CalEEMod Inputs-Trips and VMTs section			
	Trenching Machine	1	8	Trencher	81

OVERLAP OF CONSTRUCTION-RELATED ACTIVITIES

The Project is anticipated to be developed in two phases, with phase 1 involving construction of buildings 1 and 2 and with phase 2 involving construction of buildings 3 and 4. It should be noted that the number at the end of each construction phase corresponds to the respective buildings. Based on the construction schedule detailed in Table 3-2, Trenching 1 phase has the potential to overlap with Concrete Shell 1 phase, Concrete Shell 2 phase, Trenching 3 phase, Concrete Shell 3 phase, Grading 4 phase, and Trenching 4 phase. Roofing & Overhead Work 1 phase has the potential to overlap with Architectural Coatings 1 phase, Paving 1 phase, Misc. Finishes 2 phase, Architectural Coatings 3 phase, Misc. Finishes 3 phase, Paving 3 phase, and Roofing & Overhead work 4 phase. The overlapping construction activity shown on Table 3-4 may affect the maximum peak daily construction emissions levels for criteria pollutants.

TABLE 3-4: SCHEDULE OF CONSTRUCTION ACTIVITIES



3.4.1 CONSTRUCTION EMISSIONS SUMMARY

Impacts without BACMs and Mitigation

The estimated maximum daily construction emissions without mitigation are summarized on Table 3-5. Detailed construction model outputs are presented in Appendix 3.2. Under the assumed scenarios, emissions resulting from the Project construction will exceed criteria pollutant thresholds established by the SCAQMD for emissions of VOCs and NO_x (before mitigation). It should be noted that the impacts without Best Available Control Measures (BACMs) do not take credit for reductions achieved through BACMs and standard regulatory requirements (SCAQMD's Rule 403).

TABLE 3-5: EMISSIONS SUMMARY OF OVERALL CONSTRUCTION (WITHOUT MITIGATION)

Year	Emissions (pounds per day)					
	VOC	NO _x	CO	SO _x	PM10	PM2.5
2016	248.05	578.66	439.05	0.97	38.32	23.18
2017	241.74	287.45	253.34	0.59	25.57	12.98
Maximum Daily Emissions	248.05	578.66	439.05	0.97	38.32	23.18
SCAQMD Regional Threshold	75	100	550	150	150	55
Threshold Exceeded?	YES	YES	NO	NO	NO	NO

Impacts with BACMs and Mitigation

The estimated maximum daily construction emissions with mitigation are summarized on Table 3-6. Detailed construction model outputs are presented in Appendix 3.2. Best available control measures BACM AQ-1 and mitigation measures MM AQ-1 and MM AQ-2 are recommended to reduce the severity of the impact. After implementation of the best available control measures, standard regulatory requirements, and the recommended mitigation measures, construction activity emissions will exceed the numerical thresholds established by the SCAQMD for NO_x. Thus a significant impact would still occur with implementation of the applicable mitigation measures.

TABLE 3-6: EMISSIONS SUMMARY OF OVERALL CONSTRUCTION (WITH MITIGATION)

Year	Emissions (pounds per day)					
	VOC	NO _x	CO	SO _x	PM10	PM2.5
2016	69.36	321.35	463.95	1.02	33.33	13.90
2017	60.59	158.41	265.90	0.61	21.56	8.58
Maximum Daily Emissions	69.36	321.35	463.95	1.02	33.33	13.90
SCAQMD Regional Threshold	75	100	550	150	150	55
Threshold Exceeded?	NO	YES	NO	NO	NO	NO

3.5 OPERATIONAL EMISSIONS

Operational activities associated with the proposed Project will result in emissions of ROG, NO_x, CO, SO_x, PM₁₀, and PM_{2.5}. Operational emissions would be expected from the following primary sources:

- Area Source Emissions
- Energy Source Emissions
- Mobile Source Emissions
- On-Site Equipment Emissions

3.5.1 AREA SOURCE EMISSIONS

Architectural Coatings

Over a period of time the buildings that are part of this Project will be subject to emissions resulting from the evaporation of solvents contained in paints, varnishes, primers, and other surface coatings as part of Project maintenance. The emissions associated with architectural coatings were calculated using the CalEEMod model.

Consumer Products

Consumer products include, but are not limited to detergents, cleaning compounds, polishes, personal care products, and lawn and garden products. Many of these products contain organic compounds which when released in the atmosphere can react to form ozone and other photochemically reactive pollutants. The emissions associated with use of consumer products were calculated based on defaults provided within the CalEEMod model.

Landscape Maintenance Equipment

Landscape maintenance equipment would generate emissions from fuel combustion and evaporation of unburned fuel. Equipment in this category would include lawnmowers, shredders/grinders, blowers, trimmers, chain saws, and hedge trimmers used to maintain the landscaping of the Project. The emissions associated with landscape maintenance equipment were calculated based on assumptions provided in the CalEEMod model.

3.5.2 ENERGY SOURCE EMISSIONS

Combustion Emissions Associated with Natural Gas and Electricity

Electricity and natural gas are used by almost every project. Criteria pollutant emissions are emitted through the generation of electricity and consumption of natural gas. However, because electrical generating facilities for the Project area are located either outside the region (state) or offset through the use of pollution credits (RECLAIM) for generation within the SCAB, criteria pollutant emissions from offsite generation of electricity is generally excluded from the evaluation of significance and only natural gas use is considered. The emissions associated with natural gas use were calculated using the CalEEMod model.

3.5.3 MOBILE SOURCE EMISSIONS

Vehicles

Project operational (vehicular) impacts are dependent on both overall daily vehicle trip generation and the effect of the Project on peak hour traffic volumes and traffic operations in the vicinity of the Project. The Project related operational air quality impacts derive primarily from vehicle trips generated by the Project. Neither the Project Applicant nor the City has any regulatory control over these tail pipe emissions. Rather, vehicle tail pipe source emissions are regulated by CARB and USEPA. As summarized previously herein, as the result of CARB and USEPA actions, Basin-wide vehicular-source emissions have been reduced dramatically over the past years and are expected to further decline as clean vehicle and fuel technologies improve.

Project mobile source air quality impacts are dependent on both overall daily vehicle trip generation and the effect of the Project on peak hour traffic volumes and traffic operations in the vicinity of the Project. The Project related operational air quality impacts derive primarily from vehicle trips generated by the Project. Trip characteristics available from the report, Moreno Valley Logistics Center Traffic Impact Analysis (Urban Crossroads) 2016 were utilized in this analysis (29). It should be noted that the Project's traffic study presents the total Project vehicle trips in terms of Passenger Car Equivalents (PCEs) in an effort to recognize and acknowledge the effects of heavy vehicles at the study area intersections. Notwithstanding, for purposes of the air quality study, the PCE trips were not used. Rather, to more accurately estimate and model vehicular-source emissions, the actual number of vehicles, by vehicle classification (e.g., passenger cars (including light trucks), heavy trucks) were used in the analysis.

For purposes of this analysis, the following ITE land use codes and vehicle mixes have been utilized:

- ITE land use code 110 (General Light Industrial) has been used to derive site specific trip generation estimates for Buildings 2 through 4. The ITE Trip Generation manual includes very limited data regarding the types of vehicles that are generated for general light industrial uses (passenger cars and various sizes of trucks). As such, data regarding the vehicle mix has been obtained from a separate report; the City of Fontana Truck Trip Generation Study (August 2003) for the general light industrial uses proposed as part of the Project. Buildings 2 through 4 have been identified as light industrial. The "Light Industrial" vehicle mix data has been utilized for all 3 buildings. As identified in the Project's TIA, 78.6% of the fleet mix consists of passenger cars and 21.4% of the fleet mix consists of trucks. The following truck fleet mix was utilized for the purposes of estimating the truck trip generation for the light industrial land uses: 37.40% of the total trucks as 2-axle trucks, 18.23% of the total trucks as 3-axle trucks, and 44.37% of the total trucks as 4+-axle trucks.
- ITE land use code 152 (High-Cube Warehousing) has been used to derive site specific trip generation estimates for Building 1. Total vehicle mix percentages were also obtained from the ITE Trip Generation manual in conjunction with the South Coast Air Quality Management District's (SCAQMD) recommended truck mix, by axle type (30). The SCAQMD is currently recommending the use of the ITE Trip Generation manual in conjunction with their truck mix by axle-type to better quantify trip rates associated with local warehouse and distribution projects,

as truck emission represent more than 90 percent of air quality impacts from these projects. This recommended procedure has been utilized for the purposes of this analysis in effort to be consistent with other technical studies being prepared for the Project. The percentage of trucks has been determined from the table shown on page 267 of the ITE Trip Generation manual. As shown on page 267, the truck trip generation rate for weekday daily traffic is 0.64 or 38.1% of the total traffic. As identified in the Project's TIA, 61.9% of the fleet mix consists of passenger cars and 31.8% of the fleet mix consists of trucks. Trip generation for heavy trucks was further broken down by truck type (or axle type). The total truck percentage is comprised of 3 different truck types: 2-axle, 3-axle, and 4+-axle trucks. For the purposes of this analysis, the percentage of trucks, by axle type, was obtained from the SCAQMD interim recommended truck mix. The SCAQMD has recently performed surveys of existing facilities and compiled the data to provide interim guidance on the mix of heavy trucks for these types of high-cube warehousing/distribution facilities. Based on this interim guidance from the SCAQMD, the following truck fleet mix was utilized for the purposes of estimating the truck trip generation for the high-cube warehouse land uses: 22.0% of the total trucks as 2-axle trucks, 17.7% of the total trucks as 3-axle trucks, and 60.3% of the total trucks as 4+-axle trucks.

3.5.3.1 Trip Length

Background

A technical deficiency inherent in calculating the projected vehicle emissions associated with any project is related to the estimation of trip length and vehicle miles traveled (VMT). VMT for a given project is calculated by the total number of vehicle trips to/from the Project x average trip length. This method of estimating VMT for use in calculating vehicle emissions likely results in the over-estimation and double-counting of emissions because, for a distribution warehouse center such as the Project, the land use is likely to attract (divert) existing vehicle trips that are already on the circulation system as opposed to generating new trips. In this regard, the Project would, to a large extent, redistribute existing mobile-source emissions rather than generate additional emissions within the Basin. As such, the estimation of the Project's vehicular-source emissions is likely overstated in that no credit for, or reduction in, emissions is assumed based on diversion of existing trips.

Provided below is a summary of the VMT recommendations of the SCAQMD and SCAG, followed by a description of the methodology used to calculate the VMT rates used in this AQIA.

SCAQMD Recommendation

In the last five years, the SCAQMD has provided numerous comments on the trip length for warehouse/distribution and industrial land use projects (31). The SCAQMD asserts that the model-default trip length in CalEEMod™ and the URBan EMISsions (URBEMIS) 2007 model (version 9.2.4) would underestimate emissions. The SCAQMD asserts that for warehouse, distribution center, and industrial land use projects, most of the heavy-duty trucks would be hauling consumer goods, often from the Ports of Long Beach and Los Angeles (POLA and POLB) and/or to destinations outside of California. The SCAQMD states that for this reason, the CalEEMod™ and the URBan EMISsions model default trip length (approximately 12.6 miles)

would not be representative of activities at like facilities. The SCAQMD generally recommends the use of a 40-mile one-way trip length.

Southern California Association of Government (SCAG) Heavy Duty Truck Model

SCAG is comprised of six counties (Imperial, Los Angeles, Orange, Riverside, San Bernardino, and Ventura) and 190 cities in Southern California, and is the organization charged with addressing and resolving short- and long-term regional policy issues. The SCAG region also consists of 14 subregional entities recognized by the Regional Council as partners in the regional policy planning process. The SCAG region has more than 19 million residents and encompasses more than 38,000 square miles, representing the largest and most diverse region in the country.

SCAG maintains a regional transportation model. In its most recent (2008) transportation validation for the 2003 Regional Model, SCAG indicates the average internal truck trip length for the SCAG region is 5.92 miles for Light Duty Trucks, 13.06 miles for Medium Duty Trucks, and 24.11 miles for Heavy Duty Trucks.

Approach for Analysis of the Project

Trip lengths and VMT estimates employed in this AQIA report generate vehicular-source emissions that would represent a maximum impact scenario. Other Environmental Impact Reports (EIRs) for similar land use projects within the region have utilized these same or similar estimates. Though the VMT analyzed in this analysis may differ from the Project's traffic impact analysis, to maintain analytic consistency and establish the maximum impact scenario noted above, the following approach has been utilized in calculating emissions associated with vehicles accessing the Project. This approach is consistent with professional industry practice (32) (33) (34).

For passenger car trips, the CalEEMod default for a one-way trip length of 16.6 miles was assumed. For heavy duty trucks, an average trip length was derived from distances from the Project site to the far edges of the South Coast Air Basin (SCAB) as follows.

- Project site to the Port of Los Angeles/Long Beach: 80 miles;
- Project site to East on State Route 60: 30 miles;
- Project site to San Diego County line: 60 miles;
- Project site to Inland Empire: 50 miles;
- Project site to Perris destinations: 10 miles;
- Project site to Moreno Valley destinations: 10 miles;

Assuming that 50% of all delivery trips will travel to and from the Project and the Port of Los Angeles/Long Beach, 10% go East on the State Route 60, 20% go to San Diego, 10% go to the Inland Empire, 5% go to Perris destinations and the remainder as Moreno Valley destinations. The average truck trip length is calculated as 61 miles.

For each land use (High-Cube Warehouse and General Light Industrial Warehouse), two separate model runs were utilized in order to more accurately model emissions resulting from

vehicle operations. The first run analyzed passenger car emissions, which incorporated a default trip length of 16.6 miles for passenger cars and a fleet mix of 100% Light-Duty-Auto vehicles (LDA). The second run analyzed truck emissions, which incorporated an average truck trip length of 61 miles. A fleet mix of 22.03% LHD, 17.66% MHD, and 60.31% HHD was used for High-Cube Warehouse and a fleet mix of 37.40% LHD, 18.23% MHD, and 44.37% HHD was used for General Light Industrial Warehouse. The estimated emissions resulting from vehicle operations are summarized in Table 3-7 (presented later in this report.) Detailed emission calculations are provided in Appendix 3.2.

Fugitive Dust Related to Vehicular Travel

Vehicles traveling on paved roads would be a source of fugitive emissions due to the generation of road dust inclusive of tire wear particulates. The emissions estimates for travel on paved roads were calculated using the CalEEMod model.

3.5.4 ON-SITE EQUIPMENT EMISSIONS

It is common for an industrial warehouse project to require cargo handling equipment to move empty containers and empty chassis to and from the various pieces of cargo handling equipment that receive and distribute containers. The most common type of cargo handling equipment is the yard truck which is designed for moving cargo containers. Yard trucks are also known as yard goats, utility tractors (UTRs), hustlers, yard hostlers, and yard tractors. Yard trucks have a horsepower (hp) range of approximately 175 hp to 200 hp (35). Based on the latest available information from SCAQMD (36); high-cube warehouse projects typically have 3.6 yard trucks per million square feet of building space. For this particular Project, on-site modeled operational equipment includes seven 200 hp yard tractors operating at 4 hours a day (37) for 365 days of the year⁵. In addition to the use of yard trucks operating at the Project site, forklifts are a common piece of equipment used in warehouse operations. The Project includes seven 89 hp yard forklifts operating at 4 hours a day for 365 days of the year interior to the building. However for purposes of the AQIA forklifts are not included in the health risk calculations since there is no diesel exhaust associated with the forklifts as they are assumed to be non-diesel consistent with industry standards.

As part of the Project's design, all on-site outdoor cargo handling equipment (CHE) (including yard trucks, hostlers, yard goats, pallet jacks, forklifts, and other on-site equipment) will be powered by diesel fueled diesel fueled engines that comply with the California Air Resources Board (CARB)/U.S. EPA Tier IV Engine standards for off-road vehicles or better (defined as less than or equal to 0.015 g/bhp-hr for PM10) and all on-site indoor forklifts shall be powered by electricity, compressed natural gas, or propane.

⁵ 4 hour daily on-site operation of the yard trucks is based on the Southern California International Gateway Recirculated Draft EIR. Table C1.2-BL-17 *Activity Data for Existing Business CHE – 2010 Baseline* indicates that the average annual hours of operation for all diesel Container Handling Equipment, Forklifts, and Yard Tractors totaled 72,187 annual operating hours. The total number of pieces of equipment equals 52. As such, $72,187/52 = 1,388$ annual hours per piece of equipment. $1,388 \text{ annual hours per piece of equipment} / 365 \text{ days} = \text{an average of } 3.80 \text{ hours per day per piece of equipment}$. As a conservative measure this is rounded up to 4 hours for analytical purposes.

3.5.5 ALTERNATE SITE PLAN OPERATIONAL IMPACTS

As previously discussed, the alternate site plan omits Building 2 with the addition of truck trailer parking in its place, thus decreasing operational capacity. Should the alternate site plan be implemented, operational-source impacts would not exceed the level of operational-source impacts analyzed within the current Project scenario. As such, the Project scenario analysis represents a “worst-case” analysis scenario.

3.5.6 OPERATIONAL EMISSIONS SUMMARY

Impacts without Mitigation

Operational-source emissions without implementation of mitigation measures are summarized on Table 3-7. For regional emissions, the Project would exceed the numerical thresholds of significance established by the SCAQMD for emissions of VOCs and NO_x.

TABLE 3-7: SUMMARY OF PEAK OPERATIONAL EMISSIONS (WITHOUT MITIGATION) (1 OF 2)

Operational Activities – Summer Scenario	Emissions (pounds per day)					
	VOC	NO _x	CO	SO _x	PM ₁₀	PM _{2.5}
High-Cube						
Area Source	46.46	2.70E-03	0.28	2.00E-05	1.03E-03	1.03E-03
Energy Source	0.33	2.96	2.49	0.02	0.23	0.23
Mobile (Trucks)	19.77	429.98	184.46	1.35	51.09	19.58
Mobile (Passenger Cars)	2.98	3.73	51.42	0.17	16.61	4.46
On-site Equipment	0.95	13.18	4.25	0.02	0.43	0.40
Light Industrial						
Area Source	14.99	9.80E-04	0.10	1.00E-05	3.70E-04	3.70E-04
Energy Source	0.35	3.17	2.66	0.02	0.24	0.24
Mobile (Trucks)	11.28	244.17	107.13	0.78	32.55	11.96
Mobile (Passenger Cars)	4.48	5.60	77.31	0.26	24.98	6.70
On-site Equipment	0.3801	5.27	1.70	6.34E-03	0.17	0.16
Total Maximum Daily Emissions	100.64	689.62	425.85	2.60	125.70	43.17
SCAQMD Regional Threshold	55	55	550	150	150	55
Threshold Exceeded?	YES	YES	NO	NO	NO	NO

TABLE 3-7: SUMMARY OF PEAK OPERATIONAL EMISSIONS (WITHOUT MITIGATION) (2 OF 2)

Operational Activities – Winter Scenario	Emissions (pounds per day)					
	VOC	NO _x	CO	SO _x	PM ₁₀	PM _{2.5}
High-Cube						
Area Source	46.46	2.70E-03	0.28	2.00E-05	1.03E-03	1.03E-03
Energy Source	0.33	2.96	2.49	2.00E-02	0.23	0.23
Mobile (Trucks)	20.11	447.95	194.22	1.35	51.10	19.58
Mobile (Passenger Cars)	2.78	3.94	43.52	0.16	16.61	4.46
On-site Equipment	0.95	13.18	4.25	0.02	0.43	0.40
Light Industrial						
Area Source	14.99	9.80E-04	0.10	1.00E-05	3.70E-04	3.70E-04
Energy Source	0.35	3.17	2.66	0.02	0.24	0.24
Mobile (Trucks)	11.46	254.51	111.97	0.78	32.56	11.96
Mobile (Passenger Cars)	4.18	5.93	65.44	0.24	24.98	6.70
On-site Equipment	0.38	5.27	1.70	6.34E-03	0.17	0.16
Total Maximum Daily Emissions	100.66	718.46	420.68	2.57	125.72	43.17
SCAQMD Regional Threshold	55	55	550	150	150	55
Threshold Exceeded?	YES	YES	NO	NO	NO	NO

Impacts with Mitigation

Operational-source emissions with implementation of mitigation measures are summarized on Table 3-8. For regional emissions, the Project would exceed the numerical thresholds of significance established by the SCAQMD for emissions of VOCs and NO_x. Even with implementation of MM AQ-3 through MM AQ-8, no feasible mitigation measures exist that would reduce these emissions to levels that are less-than-significant. Project operational-source VOCs and NO_x emissions exceedances of applicable SCAQMD regional thresholds are therefore considered significant and unavoidable.

TABLE 3-8: SUMMARY OF PEAK OPERATIONAL EMISSIONS (WITH MITIGATION) (1 OF 2)

Operational Activities – Summer Scenario	Emissions (pounds per day)					
	VOC	NO _x	CO	SO _x	PM ₁₀	PM _{2.5}
High-Cube						
Area Source	46.46	2.70E-03	0.28	2.00E-05	1.03E-03	1.03E-03
Energy Source	0.33	2.96	2.49	0.02	0.23	0.23
Mobile (Trucks)	19.77	429.98	184.46	1.35	51.09	19.58
Mobile (Passenger Cars)	2.98	3.73	51.42	0.17	16.61	4.46
On-site Equipment	0.95	13.18	4.25	0.02	0.43	0.40
Light Industrial						
Area Source	14.99	9.80E-04	0.10	1.00E-05	3.70E-04	3.70E-04
Energy Source	0.35	3.17	2.66	0.02	0.24	0.24
Mobile (Trucks)	11.28	244.17	107.13	0.78	32.55	11.96
Mobile (Passenger Cars)	4.48	5.60	77.31	0.26	24.98	6.70
On-site Equipment	0.3801	5.27	1.70	6.34E-03	0.17	0.16
Total Maximum Daily Emissions	100.64	689.62	425.85	2.60	125.70	43.17
SCAQMD Regional Threshold	55	55	550	150	150	55
Threshold Exceeded?	YES	YES	NO	NO	NO	NO

TABLE 3-8: SUMMARY OF PEAK OPERATIONAL EMISSIONS (WITH MITIGATION) (2 OF 2)

Operational Activities – Winter Scenario	Emissions (pounds per day)					
	VOC	NO _x	CO	SO _x	PM ₁₀	PM _{2.5}
High-Cube						
Area Source	46.46	2.70E-03	0.28	2.00E-05	1.03E-03	1.03E-03
Energy Source	0.33	2.96	2.49	2.00E-02	0.23	0.23
Mobile (Trucks)	20.11	447.95	194.22	1.35	51.10	19.58
Mobile (Passenger Cars)	2.78	3.94	43.52	0.16	16.61	4.46
On-site Equipment	0.95	13.18	4.25	0.02	0.43	0.40
Light Industrial						
Area Source	14.99	9.80E-04	0.10	1.00E-05	3.70E-04	3.70E-04
Energy Source	0.35	3.17	2.66	0.02	0.24	0.24
Mobile (Trucks)	11.46	254.51	111.97	0.78	32.56	11.96
Mobile (Passenger Cars)	4.18	5.93	65.44	0.24	24.98	6.70
On-site Equipment	0.38	5.27	1.70	6.34E-03	0.17	0.16
Total Maximum Daily Emissions	100.66	718.46	420.68	2.57	125.72	43.17
SCAQMD Regional Threshold	55	55	550	150	150	55
Threshold Exceeded?	YES	YES	NO	NO	NO	NO

3.5.7 POTENTIAL OVERLAP OF CONSTRUCTION AND OPERATIONAL ACTIVITY

Based on the assumed buildout and phasing of the proposed Project, there is potential for overlap between construction and operational activity. As a conservative measure, the total unmitigated and mitigated emissions of the overlap of construction and operational activities are shown in Tables 3-9 and 3-10, respectively. As such, the potential emissions from overlapping construction and operational activity is provided for informational purposes.

TABLE 3-9: POTENTIAL OVERLAP OF CONSTRUCTION AND OPERATIONAL ACTIVITY (WITHOUT BACMS AND MITIGATION)

Summer Scenario- Maximum Daily Emissions	Emissions (pounds per day)					
	VOC	NO _x	CO	SO _x	PM ₁₀	PM _{2.5}
Construction Peak Emissions	248.05	578.66	439.05	0.97	38.32	23.18
Operational Total Emissions	100.64	689.62	425.85	2.60	125.70	43.17
Total Maximum Daily Emissions	348.69	1,268.28	864.90	3.57	164.02	66.35
SCAQMD Regional Threshold	55	55	550	150	150	55
Threshold Exceeded?	YES	YES	YES	NO	YES	YES

Winter Scenario- Maximum Daily Emissions	Emissions (pounds per day)					
	VOC	NO _x	CO	SO _x	PM ₁₀	PM _{2.5}
Construction Peak Emissions	241.74	287.45	253.34	0.59	25.57	12.98
Operational Total Emissions	100.66	718.46	420.68	2.57	125.72	43.17
Total Maximum Daily Emissions	342.40	1,005.91	674.02	3.16	151.29	56.15
SCAQMD Regional Threshold	55	55	550	150	150	55
Threshold Exceeded?	YES	YES	YES	NO	YES	YES

TABLE 3-10: POTENTIAL OVERLAP OF CONSTRUCTION AND OPERATIONAL ACTIVITY (WITH BACMS AND MITIGATION)

Summer Scenario- Maximum Daily Emissions	Emissions (pounds per day)					
	VOC	NO _x	CO	SO _x	PM ₁₀	PM _{2.5}
Construction Peak Emissions	69.36	321.35	463.95	1.02	33.33	13.90
Operational Total Emissions	100.64	689.62	425.85	2.60	125.70	43.17
Total Maximum Daily Emissions	170.00	1,010.97	889.80	3.62	159.03	57.07

Winter Scenario- Maximum Daily Emissions	Emissions (pounds per day)					
	VOC	NO _x	CO	SO _x	PM ₁₀	PM _{2.5}
Construction Peak Emissions	69.36	321.35	463.95	1.02	33.33	13.90
Operational Total Emissions	100.66	718.46	420.68	2.57	125.72	43.17
Total Maximum Daily Emissions	170.02	1,039.81	884.63	3.59	159.05	57.07

3.6 LOCALIZED SIGNIFICANCE - CONSTRUCTION ACTIVITY

BACKGROUND ON LOCALIZED SIGNIFICANCE THRESHOLD (LST) DEVELOPMENT

The analysis makes use of methodology included in the SCAQMD *Final Localized Significance Threshold Methodology* (Methodology) (38). 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 significance of localized emissions impacts depends on whether ambient levels in the vicinity of any given project are above or below State standards. In the case of CO and NO₂, if ambient levels are below the standards, a project is considered to have a significant impact if project emissions result in an exceedance of one or more of these standards. If ambient levels already exceed a state or federal standard, then project emissions are considered significant if they increase ambient concentrations by a measurable amount. This would apply to PM₁₀ and PM_{2.5}; both of which are non-attainment pollutants and have thresholds that have an allowable measurable change of 10.4 µg/m³ for construction-source and 2.5 µg/m³ for operational-source emissions (see Tables 3-10 and 3-11).

The SCAQMD established LSTs in response to the SCAQMD Governing Board's Environmental Justice Initiative I-4. LSTs represent the maximum emissions from a project that will not cause or contribute to an exceedance of the most stringent applicable federal or state ambient air quality standard at the nearest residence or sensitive receptor. The SCAQMD states that lead agencies can use the LSTs as another indicator of significance in its air quality impact analyses.

LSTs were developed in response to environmental justice and health concerns raised by the public regarding exposure of individuals to criteria pollutants in local communities. To address the issue of localized significance, the SCAQMD adopted LSTs that show whether a project would cause or contribute to localized air quality impacts and thereby cause or contribute to potential localized adverse health effects. The analysis makes use of methodology included in the SCAQMD *Final Localized Significance Threshold Methodology* (LST Methodology) (39).

APPLICABILITY OF LSTs FOR THE PROJECT

For this Project, the appropriate Source Receptor Area (SRA) for the LST is the Metropolitan Perris monitoring station (SRA 24). LSTs apply to carbon monoxide (CO), nitrogen dioxide (NO₂), particulate matter ≤ 10 microns (PM₁₀), and particulate matter ≤ 2.5 microns (PM_{2.5}). The SCAQMD produced look-up tables for projects less than or equal to 5 acres in size.

In order to determine the appropriate methodology for determining localized impacts that could occur as a result of Project-related construction, the following process is undertaken:

- The CalEEMod model is utilized to determine the maximum daily on-site emissions that will occur during construction activity.

- The SCAQMD's Fact Sheet for Applying CalEEMod to Localized Significance Thresholds (40) is used to determine the maximum site acreage that is actively disturbed based on the construction equipment fleet and equipment hours as estimated in CalEEMod.
- If the total acreage disturbed is less than or equal to five acres per day, then the SCAQMD's screening look-up tables are utilized to determine if a Project has the potential to result in a significant impact (the SCAQMD recommends that Projects exceeding the screening look-up tables undergo dispersion modeling to determine actual impacts). The look-up tables establish a maximum daily emissions threshold in pounds per day that can be compared to CalEEMod outputs.
- If the total acreage disturbed is greater than five acres per day, then the SCAQMD recommends dispersion modeling to be conducted to determine the actual pollutant concentrations for applicable LSTs in the air. In other words, the maximum daily on-site emissions as calculated in CalEEMod are modeled via air dispersion modeling to calculate the actual concentration in the air (e.g., parts per million or micrograms per cubic meter) in order to determine if any applicable thresholds are exceeded.

EMISSIONS CONSIDERED

SCAQMD's Methodology clearly states that "off-site mobile emissions from the Project should NOT be included in the emissions compared to LSTs (41)." Therefore, for purposes of the construction LST analysis only emissions included in the CalEEMod "on-site" emissions outputs were considered.

MAXIMUM DAILY DISTURBED-ACREAGE

Table 3-11 is used to determine the maximum daily disturbed-acreage for use in determining the applicability of the SCAQMD's LST look-up tables. Based on Table 3-11, the maximum acres the Project could actively disturb are approximately 12.5 acres per day during the peak grading phase. As such, dispersion modeling is utilized to calculate emissions for LSTs for peak grading activity which represents a conservative i.e. "worst-case" analytical scenario for purposes of construction LSTs.

TABLE 3-11: MAXIMUM DAILY DISTURBED-ACREAGE

Construction Phase	Equipment Type	Equipment Quantity	Acres graded per 8 hour day	Operating Hours per Day	Acres graded per day
Grading	Rubber Tired Dozers	1	0.5	8	0.5
	Crawler Tractors	1	0.5	8	0.5
	Graders	1	0.5	8	0.5
	Scrapers ^a	11	1	8	11
Total acres graded per day during Grading					12.5

^a The total amount of scrapers used includes «623 Elevating Scrapers», modeled as «Other General Industrial Equipment» in CalEEMod.

Dispersion Modeling

In order to estimate localized pollutant concentrations resulting from Project construction, the SCAQMD-approved AERMOD dispersion model was utilized. The modeling approach utilized is discussed as follows:

Sources

As discussed above, construction activity is anticipated to disturb a maximum area of approximately 12.5 acres on any given day (during peak rough grading activity), thus it was conservatively estimated that emissions would be concentrated over this area. It should be noted that in order to model worst-case conditions, the highest daily peak emissions resulting from grading activity were utilized.

In order to model fugitive dust emissions (PM₁₀ and PM_{2.5}) resulting from Project grading activity, an area source of 6.0 acres was utilized. Per SCAQMD LST methodology, a ground level release height and a 1 meter (~3.28 feet) initial vertical dimension (sigma z) were utilized in order to account for the vertical spread of emissions. Additionally, dry depletion parameters consistent with LST methodology were utilized.

In order to account for equipment exhaust emissions of PM₁₀, PM_{2.5}, NO₂, and CO, a total of 25 volume sources measuring 45 meters by 45 meters were spread over an area of approximately 12.5 acres. In order to represent equipment exhaust emissions, a release height of 5.0 meters was utilized, which is consistent with SCAQMD's LST guidance.

Sensitive Receptors

Some people are especially sensitive to air pollution and are given special consideration when evaluating air quality impacts from projects. These groups of people include children, the elderly, individuals with pre-existing respiratory or cardiovascular illness, and athletes and others who engage in frequent exercise. Structures that house these persons or places where they gather to exercise are defined as "sensitive receptors"; they are also known to be locations where an individual can remain for 24 hours.

Sensitive receptors in the vicinity of the Project site are illustrated at Exhibit 3-A, and include the single-family residential dwellings located at receptor locations R1 and R3 to R8. The closest sensitive receptor is represented by location R8 at a distance of approximately 101 feet/31 meters east of the Project site.

Localized air quality impacts were evaluated at sensitive receptor land uses nearest the Project site. To assess the stationary source operational and construction air impacts, the following 8 sensitive receptor locations, as shown on Exhibit 3-A, were identified.

- R1: Located approximately 2,744 feet north of the Project site on Iris Avenue, R1 represents existing single-family residential homes.
- R2: Location R2 represents Rainbow Ridge Elementary School located roughly 2,853 feet northeast of the Project site.

- R3: Location R3 represents the existing residential homes situated north of the Project site at a distance of approximately 1,544 feet on Indian Street.
- R4: Location R4 represents the existing residential homes situated approximately 471 feet northeast of the Project site.
- R5: At a distance of approximately 133 feet, location R5 represents single-family residential homes adjacent to Indian Street, east of the Project site.
- R6: Location R6 represents the existing residential homes situated east of the Project site at a distance of approximately 161 feet across Indian Street.
- R7: Location R7 represents the existing residential homes situated approximately 144 feet east of the Project site across Indian Street.
- R8: At a distance of approximately 101 feet, location R8 represents a single-family residential home southeast of the Project site.

EXHIBIT 3-A: SENSITIVE RECEPTORS



LEGEND:

- Receptor Locations
- Distance from receptor to Project site boundary (in feet)

Meteorological Data and Model Options

In order to account for meteorological conditions at the Project site, data from the Perris monitoring station was utilized, as this is the nearest station to the Project site for which meteorological data is available. Additionally, per SCAQMD LST methodology, a receptor height of 2.0 meters and regulatory default options, and the urban dispersion coefficient were utilized.

Impacts without BACMs and Mitigation

Without BACMs and mitigation, emissions during the peak construction activity will exceed the SCAQMD's localized significance thresholds for emissions of NO₂, PM₁₀, and PM_{2.5}. Table 3-12 identifies the localized impacts without BACMs and mitigation at the nearest receptor location in the vicinity of the Project.

TABLE 3-12: LOCALIZED SIGNIFICANCE SUMMARY PEAK CONSTRUCTION (WITHOUT MITIGATION)

Peak Construction	CO		NO ₂	PM ₁₀		PM _{2.5}
	Averaging Time					
	1-Hour	8-Hour	1-Hour	24-Hours	Annual	24-Hours
Peak Day Localized Emissions	0.42	0.35	0.34	15.52	2.56	8.55
Background Concentration ^A	2.00	1.90	0.06			
Total Concentration	2.42	2.25	0.40	15.52	2.56	8.55
SCAQMD Localized Significance Threshold	20	9	0.18	10.4	1	10.4
Threshold Exceeded?	NO	NO	YES	YES	YES	YES

^A Highest concentration from the last three years of available data

Note: PM₁₀ and PM_{2.5} concentrations are expressed in µg/m³. All others are expressed in ppm

Impacts with BACMs and Mitigation

After the implementation of applicable BACMs and mitigation measures (outlined in Section 4.0), emissions during the peak construction activity will not exceed the SCAQMD's localized significance threshold for any of the applicable emissions. Table 3-13 identifies the localized impacts with implementation of BACMs and mitigation measures at the nearest receptor location in the vicinity of the Project. Outputs from the model runs for construction LSTs are provided in Appendix 3.3.

TABLE 3-13: LOCALIZED SIGNIFICANCE SUMMARY PEAK CONSTRUCTION (WITH MITIGATION)

Peak Construction	CO		NO ₂	PM ₁₀		PM _{2.5}
	Averaging Time					
	1-Hour	8-Hour	1-Hour	24-Hours	Annual	24-Hours
Peak Day Localized Emissions	0.32	0.27	0.09	4.92	0.81	2.35
Background Concentration ^A	2.0	1.9	0.06			
Total Concentration	2.32	2.17	0.15	4.92	0.81	2.35
SCAQMD Localized Significance Threshold	20	9	0.18	10.4	1	10.4
Threshold Exceeded?	NO	NO	NO	NO	NO	NO

^A Highest concentration from the last three years of available data

Note: PM₁₀ and PM_{2.5} concentrations are expressed in µg/m³. All others are expressed in ppm

3.7 LOCALIZED SIGNIFICANCE – LONG-TERM OPERATIONAL ACTIVITY

For operational LSTS, on-site passenger car and truck travel emissions were modeled in AERMOD using emission factors for CO, NO₂, PM₁₀, and PM_{2.5} generated with the 2014 version of the Emission FACtor model (EMFAC) developed by the ARB. EMFAC 2014 is a mathematical model that was developed to calculate emission rates from motor vehicles that operate on highways, freeways, and local roads in California and is commonly used by the ARB to project changes in future emissions from on-road mobile sources (42). Outputs from the model runs for operational LSTs are provided in Appendix 3.3.

For this Project, criteria pollutant emission factors were generated by running EMFAC 2014 in EMFAC Mode for vehicles in the SCAQMD district. The EMFAC Mode generates emission factors in terms of grams of pollutant emitted per vehicle activity and can calculate a matrix of emission factors at specific values of temperature, relative humidity, and vehicle speed. The model was run for speeds traveled in the vicinity of the Project. The vehicle travel speeds for each segment modeled are summarized below.

- Idling – assumed 15 minutes of idling for passenger cars and trucks ⁶
- 5 miles per hour – on-site vehicle movement including driving and maneuvering

Additionally, on-site equipment was modeled using area sources encompassing the Project's loading docks adjacent to the Project's building boundaries. Associated transport refrigeration units (TRUs) were modeled using point sources representative across loading dock areas.

Meteorological data, receptor locations, and dispersion modeling parameters discussed in Section 3.6 of this report are applicable to the operational activity localized emissions modeling.

As shown on Table 3-14, operational emissions would not exceed the SCAQMD's localized significance thresholds for any criteria pollutant at the nearest sensitive receptor. Therefore,

⁶ Although the Project is required to comply with CARB's idling limit of 5 minutes, staff at SCAQMD recommends that the on-site idling emissions should be estimated for 15 minutes of truck idling (personal communication, phone call, with James Koizumi, May 6, 2009), which would take into account on-site idling which occurs while the trucks are waiting to pull up to the truck bays, idling at the bays, idling at check-in and check-out, etc.

the Project will have a less than significant localized impact during operational activity, and no mitigation is required.

TABLE 3-14: LOCALIZED SIGNIFICANCE SUMMARY OPERATIONS

Operation	CO		NO ₂	PM ₁₀		PM _{2.5}
	Averaging Time					
	1-Hour	8-Hour	1-Hour	24-Hours	Annual	24-Hours
Peak Day Localized Emissions	0.013	0.01	0.014	0.26	0.12	0.25
Background Concentration ^A	2.0	1.9	0.06			
Total Concentration	2.01	1.91	0.074	0.26	0.12	0.25
SCAQMD Localized Significance Threshold	20	9	0.18	2.5	1	2.5
Threshold Exceeded?	NO	NO	NO	NO	NO	NO

^A Highest concentration from the last three years of available data

Note: PM₁₀ and PM_{2.5} concentrations are expressed in µg/m³. All others are expressed in ppm

3.8 CO “HOT SPOT” ANALYSIS

As discussed below, the Project would not result in potentially adverse CO concentrations or “hot spots.” Further, detailed modeling of Project-specific carbon monoxide (CO) “hot spots” is not needed to reach this conclusion.

It has long been recognized that adverse localized CO concentrations (“hot spots”) are caused by vehicular emissions, primarily when idling at congested intersections. In response, vehicle emissions standards have become increasingly stringent in the last twenty years. Currently, the allowable CO emissions standard in California is a maximum of 3.4 grams/mile for passenger cars (there are requirements for certain vehicles that are more stringent). With the turnover of older vehicles, introduction of cleaner fuels, and implementation of increasingly sophisticated and efficient emissions control technologies, CO concentrations in the air basin have steadily declined, as indicated by historical emissions data presented previously at Table 2-7.

A CO “hotspot” would occur if an exceedance of the state one-hour standard of 20 ppm or the eight-hour standard of 9 ppm were to occur. At the time of the 1993 Handbook, the SCAB was designated nonattainment under the California AAQS and National AAQS for CO (43).

As identified within SCAQMD's 2003 AQMP and the 1992 Federal Attainment Plan for Carbon Monoxide (1992 CO Plan), peak carbon monoxide concentrations in the SCAB were a result of unusual meteorological and topographical conditions and not a result of congestion at a particular intersection (44). To establish a more accurate record of baseline CO concentrations affecting the SCAB, a CO “hot spot” analysis was conducted in 2003 for four busy intersections in Los Angeles at the peak morning and afternoon time periods. The intersections evaluated included: Long Beach Blvd. and Imperial Highway (Lynwood); Wilshire Blvd. and Veteran Ave. (Westwood); Sunset Blvd. and Highland Ave. (Hollywood); and La Cienega Blvd. and Century Blvd. (Inglewood). These analyses did not predict a violation of CO standards, as shown on Table 3-15. Traffic volumes generating the CO concentrations for the analysis are shown on Table 3-16. It can therefore be reasonably concluded that projects (such as the proposed

Moreno Valley Logistics Center) that are not subject to the extremes in vehicle volumes and vehicle congestion that was evidenced in the 2003 Los Angeles hot spot analysis would similarly not create or result in CO hot spots.

Similar considerations are also employed by other Air Districts when evaluating potential CO concentration impacts. More specifically, the Bay Area Air Quality Management District (BAAQMD) concludes that under existing and future vehicle emission rates, a given project would have to increase traffic volumes at a single intersection by more than 44,000 vehicles per hour—or 24,000 vehicles per hour where vertical and/or horizontal air does not mix—in order to generate a significant CO impact (45). The proposed Project considered herein would not produce the volume of traffic required to generate a CO hotspot either in the context of the 2003 Los Angeles hot spot study, or based on representative BAAQMD CO threshold considerations (see Table 3-17). Therefore, CO hotspots are not an environmental impact of concern for the proposed Project. Localized air quality impacts related to mobile-source emissions would therefore be less than significant.

TABLE 3-15: CO MODEL RESULTS

Intersection Location	Carbon Monoxide Concentrations (ppm)		
	Morning 1-hour	Afternoon 1-hour	8-hour
Wilshire-Veteran	4.6	3.5	4.2
Sunset-Highland	4	4.5	3.9
La Cienega-Century	3.7	3.1	5.8
Long Beach-Imperial	3	3.1	9.3

Notes: ppm- parts per million

TABLE 3-16: TRAFFIC VOLUMES FOR INTERSECTIONS EVALUATED IN AQMP

Intersection Location	Peak Traffic Volumes (vph)				
	Eastbound (AM/PM)	Westbound (AM/PM)	Southbound (AM/PM)	Northbound (AM/PM)	Total (AM/PM)
Wilshire-Veteran	4,954/2,069	1,830/3,317	721/1,400	560/933	8,062/7,719
Sunset-Highland	1,417/1,764	1,342/1,540	2,304/1,832	1,551/2,238	6,614/5,374
La Cienega-Century	2,540/2,243	1,890/2,728	1,384/2,029	821/1,674	6,634/8,674
Long Beach-Imperial	1,217/2,020	1,760/1,400	479/944	756/1,150	4,212/5,514

Notes: vph- vehicles per hour

TABLE 3-17: PROJECT PEAK HOUR TRAFFIC VOLUMES

Intersection Location	Peak Traffic Volumes (vph)				
	Eastbound (AM/PM)	Westbound (AM/PM)	Southbound (AM/PM)	Northbound (AM/PM)	Total (AM/PM)
Elsworth St./ Cactus Ave.	327/709	367/379	2,776/2,623	2,832/320	6,302/4,031
Graham St./Riverside Dr. & Cactus Ave.	326/402	310/638	2,301/3,865	2,696/1,759	5,633/6,664
Heacock St. / Cactus Ave.	1,561/1,572	567/1,012	1,157/3,156	1,998/1,025	5,283/6,765
Perris Bl./ Cactus Ave.	1,708/1,550	1,250/1,745	937/1,741	1,439/815	5,334/5,851

Source: Moreno Valley Logistics Center Traffic Impact Analysis (Urban Crossroads, Inc., 2015).

Notes: vph- vehicles per hour

3.9 AIR QUALITY MANAGEMENT PLANNING

The Project site is located within the SCAB, which is characterized by relatively poor air quality. The SCAQMD has jurisdiction over an approximately 10,743 square-mile area consisting of the four-county Basin and the Los Angeles County and Riverside County portions of what use to be referred to as the Southeast Desert Air Basin. In these areas, the SCAQMD is principally responsible for air pollution control, and works directly with the Southern California Association of Governments (SCAG), county transportation commissions, local governments, as well as state and federal agencies to reduce emissions from stationary, mobile, and indirect sources to meet state and federal ambient air quality standards.

Currently, these state and federal air quality standards are exceeded in most parts of the Basin. In response, the SCAQMD has adopted a series of Air Quality Management Plans (AQMPs) to meet the state and federal ambient air quality standards. AQMPs are updated regularly in order to more effectively reduce emissions, accommodate growth, and to minimize any negative fiscal impacts of air pollution control on the economy.

The Final 2012 AQMP was adopted by the AQMD Governing Board on December 7, 2012 (12). The 2012 AQMP incorporates the latest scientific and technological information and planning assumptions, including the 2012 Regional Transportation Plan/Sustainable Communities Strategy and updated emission inventory methodologies for various source categories.

Similar to the 2007 AQMP, the 2012 AQMP was based on assumptions provided by both CARB and SCAG in the latest available EMFAC model for the most recent motor vehicle and demographics information, respectively. The air quality levels projected in the 2012 AQMP are based on several assumptions. For example, the 2012 AQMP has assumed that development associated with general plans, specific plans, residential projects, and wastewater facilities will be constructed in accordance with population growth projections identified by SCAG in its 2012 RTP. The 2012 AQMP also has assumed that such development projects will implement strategies to reduce emissions generated during the construction and operational phases of development. The Project's consistency with the 2012 AQMP is discussed as follows:

Criteria for determining consistency with the AQMP are defined in Chapter 12, Section 12.2 and Section 12.3 of the SCAQMD's CEQA Air Quality Handbook (1993) (18). These indicators are discussed below:

- Consistency Criterion No. 1: The proposed 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 the timely attainment of air quality standards or the interim emissions reductions specified in the AQMP.

Construction Impacts

The violations that Consistency Criterion No. 1 refers to are the CAAQS and NAAQS. CAAQS and NAAQS violations would occur if localized significance thresholds (LSTs) or regional significance thresholds were exceeded. Although the Project LST analysis demonstrates that Project construction-source emissions would not exceed applicable LSTs, the Project would however exceed the applicable SCAQMD regional thresholds for construction activity as shown on Tables 3-5 and 3-6 (previously presented). Therefore the Project has the potential to conflict with the AQMP according to this criterion.

Operational Impacts

Although the Project LST analysis demonstrates that Project operational-source emissions would not exceed applicable LSTs, the Project would however exceed the applicable SCAQMD regional thresholds for operational activity as shown on Tables 3-7 and 3-8 (previously presented). Therefore the Project has the potential to conflict with the AQMP according to this criterion.

On the basis of the preceding discussion, the Project is not consistent with the first criterion.

- Consistency Criterion No. 2: The Project will not exceed the assumptions in the AQMP based on the years of Project build-out phase.

Overview

The 2012 AQMP demonstrates that the applicable ambient air quality standards can be achieved within the timeframes required under federal law. Growth projections from local general plans adopted by cities in the district are provided to the Southern California Association of Governments (SCAG), which develops regional growth forecasts, which are then used to develop future air quality forecasts for the AQMP. Development consistent with the growth projections in City's General Plan is considered to be consistent with the AQMP.

Construction Impacts

Peak day emissions generated by construction activities are largely independent of land use assignments, but rather are a function of development scope and maximum area of disturbance. Irrespective of the site's land use designation, development of the site to its maximum potential would likely occur, with disturbance of the entire site occurring during construction activities.

Operational Impacts

The City of Moreno Valley General Plan designates the Project site as “Business Park/Light Industrial (BP).” According to General Plan Policy 2.5.1, the primary purpose of areas designated “Business Park/Light Industrial (BP)” is to provide manufacturing, research and development, warehousing and distribution, as well as office and support commercial activities. Uses allowable within areas with the BP land use designation include manufacturing, research and development, warehousing and distribution, office, and support commercial activities.

The Project site is located within the geographical limits of the Moreno Valley Industrial Area Plan (MVIAP). The MVIAP applies an “Industrial” zoning designation to the Project site. The “Industrial” designation permits a wide range of industrial and industrial/business related support uses, including light manufacturing and storage and distribution facilities.

As such, development proposed by the Project is consistent with the growth projections in the General Plan and is therefore considered to be consistent with the AQMP. Furthermore, the Project will incorporate contemporary energy-efficient technologies and operational programs, and comply with SCAQMD emissions reductions and control requirements that act to reduce stationary-source air emissions. These Project attributes and features are consistent with and support AQMP air pollution reduction strategies and generally promote timely attainment of AQMP air quality standards.

On the basis of the preceding discussion, the Project is determined to be consistent with the second criterion.

AQMP Consistency Conclusion

The Project would not result in or cause NAAQS or CAAQS violations. The Project’s proposed land use designation for the subject site does not increase the development intensities as reflected in the adopted General Plan. However, since the Project will result in operational exceedances of VOC and NO_x emissions, the Project has the potential to conflict with the AQMP.

3.10 POTENTIAL IMPACTS TO SENSITIVE RECEPTORS

The potential impact of Project-generated air pollutant emissions at sensitive receptors has also been considered. Sensitive receptors can include uses such as long term health care facilities, rehabilitation centers, and retirement homes. Residences, schools, playgrounds, child care centers, and athletic facilities can also be considered as sensitive receptors.

Results of the LST analysis indicate that the Project will not exceed the SCAQMD localized significance thresholds during construction (with BACMs). Therefore sensitive receptors would not be subject to a significant air quality impact during Project construction.

Results of the LST analysis indicate that the Project will not exceed the SCAQMD localized significance thresholds during operational activity. The proposed Project would not result in a CO “hotspot” as a result of Project related traffic during ongoing operations, nor would the

Project result in a significant adverse health impact as discussed in Section 3.8. Thus a less than significant impact to sensitive receptors during operational activity is expected.

3.11 ODORS

The potential for the Project to generate objectionable odors has also been considered. Land uses generally associated with odor complaints include:

- Agricultural uses (livestock and farming)
- Wastewater treatment plants
- Food processing plants
- Chemical plants
- Composting operations
- Refineries
- Landfills
- Dairies
- Fiberglass molding facilities

Potential odor sources associated with the proposed Project may result from construction equipment exhaust and the application of asphalt and architectural coatings during construction activities and the temporary storage of typical solid waste (refuse) associated with the proposed Project's (long-term operational) uses. Standard construction requirements would minimize odor impacts from construction. The construction odor emissions would be temporary, short-term, and intermittent in nature and would cease upon completion of the respective phase of construction and is thus considered less than significant. It is expected that Project-generated refuse would be stored in covered containers and removed at regular intervals in compliance with the City's solid waste regulations.

The Project includes a Sewer Lift Station that is located on the southwest corner of Building 3. Based on an aerial view, the sewer lift station is located approximately 2,600 feet from the nearest sensitive receptor and is therefore, not within close proximity of sensitive receptors, which are generally located east of Building 1.

The proposed Project would also be required to comply with SCAQMD Rule 402 to prevent occurrences of public nuisances. Therefore, odors associated with the proposed Project construction and operations would be less than significant and no mitigation is required.

3.12 CUMULATIVE IMPACTS

The Project area is designated as an extreme non-attainment area for ozone, and a non-attainment area for PM₁₀, PM_{2.5}, and lead.

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* (46). 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.”

Therefore, this analysis assumes that individual projects that do not generate operational or construction emissions that exceed the SCAQMD's recommended daily thresholds for project-specific impacts would also not cause a cumulatively considerable increase in emissions for those pollutants for which the Basin is in nonattainment, and, therefore, would not be considered to have a significant, adverse air quality impact. Alternatively, individual project-related construction and operational emissions that exceed SCAQMD thresholds for project-specific impacts would be considered cumulatively considerable. For this Project, a significant project-specific and thus cumulatively considerable impact would occur since the Project's emissions exceed the SCAQMD thresholds for on-going construction and operational activity.

CRITERION 1; REGIONAL ANALYSIS

Construction Impacts

Prior to implementation of BACMs and MMs, the Project-specific evaluation of emissions presented in the preceding analysis demonstrates that Project construction-source air pollutant emissions will result in exceedances of regional threshold of VOCs and NO_x . Even after implementation of applicable BACMs and MMs, Project construction-source air pollutant emissions will result in exceedances of regional thresholds of NO_x . Per SCAQMD significance guidance, NO_x impacts are considered cumulatively significant and would persist over the life of the Project. NO_x emissions are ozone precursors and would therefore have the potential to contribute considerably to existing ozone non-attainment conditions within the Basin. As such, Project construction-source emissions would be considered significant on a project-specific and cumulative basis.

Operational Impacts

Project operational-source VOC and NO_x emissions will exceed applicable SCAQMD regional thresholds. Per SCAQMD significance guidance, these impacts at the Project level are also considered cumulatively significant and would persist over the life of the Project. VOC and NO_x emissions are ozone precursors and would therefore contribute considerably to existing ozone

non-attainment conditions within the Basin. This is a cumulatively significant impact persisting over the life of the Project.

CRITERION 2; LIST APPROACH

A list approach is used, in accordance with Section 15130(b) of the CEQA Guidelines, which states the following:

The following elements are necessary to an adequate discussion of significant cumulative impacts: 1) Either: (A) A list of past, present, and probable future projects producing related or cumulative impacts, including, if necessary, those projects outside the control of the agency, or (B) A summary of projections contained in an adopted general plan or related planning document, or in a prior environmental document which has been adopted or certified, which described or evaluated regional or area wide conditions contributing to the cumulative impact.

The SCAQMD has recognized that there is typically insufficient information to quantitatively evaluate the cumulative contributions of multiple projects because each project applicant has no control over nearby projects.

The cumulative project list was developed for the purposes of this analysis through consultation with planning and engineering staff from the City of Moreno Valley. As shown on Table 3-18, the cumulative project list includes known and foreseeable projects that are anticipated to contribute emissions to the air basin in the vicinity of the Project.

Cumulative projects could contribute to an existing or projected air quality exceedance because the Basin is currently nonattainment for ozone, PM₁₀, and PM_{2.5}. As previously noted, since the Project results in a project-specific impact for emissions of VOCs and NO_x, cumulative impacts are determined to be significant and unavoidable.

TABLE 3-18: CUMULATIVE DEVELOPMENT LIST

TAZ	Project Name	Land Use ¹	Quantity	Units ²
CITY OF MORENO VALLEY				
MV-1	PA 06-0152 & PA 06-0153 (First Park Nandina I & II)	High-Cube Warehouse	483.767	TSF
MV-2	Bella Vista Apartments	Apartments	220.00	DU
MV-3	PA 04-0063 (Centerpointe Buildings 8 and 9)	General Light Industrial	361.384	TSF
MV-4	PA 07-0035; PA 07-0039 (Moreno Valley Industrial Park)	General Light Industrial	204.657	TSF
		High-Cube Warehouse	409.920	TSF
MV-5	First Inland Logistics Center	High-Cube Warehouse	400.130	TSF
MV-6	TM 33607	Condo/Townhomes	52	DU
MV-7	PA 08-0093 (Centerpointe Business Park II)	General Light Industrial	99.988	TSF
MV-8	PA 06-0021; PA 06-0022; PA 06-0048; PA 06-0049 (Komar Investments)	Warehousing	287.100	TSF
MV-9	PA 06-0017 (Ivan Devries)	Industrial Park	569.200	TSF
MV-10	Modular Logistics (Dorado Property)	High-Cube Warehouse	1109.378	TSF
MV-11	PA 09-0004 (Vogel)	High-Cube Warehouse	800.000	TSF
	Sares Regis	High-Cube Warehouse	1600.000	TSF
MV-12	TM 34748	SFDR	135	DU
MV-13	First Nandina Logistics Center	High-Cube Warehouse	1450.000	TSF
MV-14	First Park Nandina III	High-Cube Warehouse	691.960	TSF
	Moreno Valley Commerce Park	High-Cube Warehouse	354.321	TSF
MV-15	March Business Center	General Light Industrial	16.732	TSF
		Warehousing	87.429	TSF
		High-Cube Warehouse	1380.246	TSF
MV-16	TM 33810	SFDR	16	DU
MV-17	TM 34151	SFDR	37	DU
MV-18	373K Industrial Facility	High-Cube Warehouse	373.030	TSF
MV-19	TM 32716	SFDR	57	DU
MV-20	TM 33417	Condo/Townhomes	60	DU
MV-21	TM 34988	Condo/Townhomes	271	DU
MV-22	TM 34216	Condo/Townhomes	39	DU
MV-23	TM 34681	Condo/Townhomes	49	DU
MV-24	PA 08-0079-0081 (Winco Foods)	Discount Supermarket	95.440	TSF
		Specialty Retail	14.800	TSF
MV-25	Moreno Beach Marketplace (Lowe's)	Commercial Retail	175.000	TSF
	Auto Mall Specific Plan (Planning Area C)	Commercial Retail	304.500	TSF
	Westridge	High-Cube Warehouse	937.260	TSF
	ProLogis	High-Cube Warehouse	1916.190	TSF
		Warehousing	328.448	TSF
	World Logistics Center	High-Cube Warehouse	41400.000	TSF
		Warehousing	200.000	TSF
		Gas Station w/ Market	12	VFP
		Existing SFDR	7	DU
MV-26	a TR 32460 (Sussex Capital)	SFDR	57	DU
	b TR 32459 (Sussex Capital)	SFDR	11	DU
	c TR 30411 (Pacific Communities)	SFDR	24	DU
	d TR 33962 (Pacific Scene Homes)	SFDR	31	DU

TAZ	Project Name	Land Use ¹	Quantity	Units ²
	e TR 30998 (Pacific Communities)	SFDR	47	DU
MV-27	a P06-158 (Gascon)	Commercial Retail	116.360	TSF
	b Auto Mall Specific Plan (PAC)	Commercial Retail	304.500	TSF
	c ProLogis	SFDR	126	DU
		High-Cube Warehouse	1529.498	TSF
	d TR 35823 (Stowe Passco)	SFDR	261	DU
		Apartments	216	DU
MV-28	TR 36340	SFDR	275	DU
MV-29	a TR 31771 (Sanchez)	SFDR	25	DU
	b TR 34397 (Winchester Associates)	SFDR	52	DU
	c TR 32645 (Winchester Associates)	SFDR	53	DU
MV-30	Lowe's (Moreno Beach Marketplace)	Home Improvement Store	175.000	TSF
MV-31	a Senior Assisted Living	Assisted Living Units	139	DU
	b TR 31590 (Winchester Associates)	SFDR	96	DU
	c TR 32548 (Gabel, Cook & Associates)	SFDR	107	DU
	d TR 32218 (Whitney)	SFDR	63	DU
	e Medical Plaza	Medical Offices	311.633	TSF
MV-32	a Moreno Medical Campus	Medical Offices	80.000	TSF
	b Aqua Bella Specific Plan	SFDR	2,922	DU
	c TR 34329 (Granite Capitol)	SFDR	90	DU
	d Cresta Bella	General Office	30.000	TSF
MV-33	Moreno Valley Industrial Center (Industrial Area SP)	General Light Industrial	354.810	TSF
MV-34	Centerpointe Business Park	General Light Industrial	356.000	TSF
MV-35	Moreno Valley Shopping Center	Free Standing Discount Store	189.520	TSF
		Gas Station w/ Market / Car Wash	16	VFP
MV-36	TR 31305 / Richmond American	Residential	87	DU
MV-37	TR 34329 / Granite Capitol	Residential	90	DU
MV-38	TR 31814 / Moreno Valley Investors	Residential	60	DU
MV-39	TR 33771 / Creative Design Associates	Residential	12	DU
MV-40	TR 35663 / Kha	Residential	12	DU
MV-41	TR 22180 / Young Homes	Residential	140	DU
MV-42	TR 32515	Residential	161	DU
MV-43	TR 32142	Residential	81	DU
MV-44	San Michele Industrial Center (Industrial Area SP)	General Light Industrial	865.960	TSF
MV-45	Commercial Medical Plaza	Medical Offices	311.633	TSF
MV-46	Edgemont Street, South of Eucalyptus Av. (PA14-0042)	Apartments	112	DU
MV-47	28860 Professor's Fun IV, LLC/Winchester Associates, Inc.	SFDR	9	DU
MV-48	20636 Pacific Communities	SFDR	67	DU
MV-49	31297 Randy McFarland	SFDR	7	DU
MV-50	31394 Pigeon Pass, Ltd.	SFDR	78	DU
MV-51	31442 SKG Pacific Enterprises Inc.	SFDR	63	DU
MV-52	31517 Professors Prop Six/Winchester Assoc.	SFDR	83	DU
MV-53	31621 Peter Sanchez	SFDR	25	DU
MV-54	32005 Red Hill Village, LLC	SFDR	214	DU

TAZ	Project Name	Land Use ¹	Quantity	Units ²
MV-55	32126 Salvador Torres	SFDR	35	DU
MV-56	32194 Arman Pezeshkifar	SFDR	32	DU
MV-57	32408 Sanstone Inc.	SFDR	80	DU
MV-58	32844 Winchester Associates	SFDR	17	DU
MV-59	32978 Focus Estates	SFDR	19	DU
MV-60	33024 Adam Wislar	SFDR	8	DU
MV-61	33275 Jose Guzman	SFDR	4	DU
MV-62	33388 SCH Development, LLC	SFDR	16	DU
MV-63	33436 Winchester Associates	SFDR	105	DU
MV-64	33963 Rance Garrett	SFDR	31	DU
MV-65	34043 RM3 Building and Development	SFDR	12	DU
MV-66	31621 Beazer Homes	SFDR	274	DU
MV-67	30268 Pacific Communities	SFDR	83	DU
MV-68	31414 GRF - Majestic Hills	SFDR	31	DU
	Tract 31618	SFDR	55	DU
MV-69	31494 Winchester Associates	SFDR	12	DU
MV-70	32715 GFR - Trinity	SFDR	30	DU
MV-71	33256 Granite Homes	SFDR	79	DU
MV-72	32711 Isaac Genah	SFDR	9	DU
MV-73	35530 Moreno Gilman 650, LLC-Quail Ranch	SFDR	1,105	DU
MV-74	35534 Leedco Engineers	SFDR	12	DU
MV-75	36436 CV Communities	SFDR	159	DU
MV-76	36401 Continental East Fund III, LLC	SFDR	92	DU
MV-77	32215 Winchester Associates "Scottish Village"	MFDR	194	DU
MV-78	32756 Jimmy Lee	MFDR	24	DU
MV-79	35369 Tason Myers Property	MFDR	12	DU
MV-80	35414 Lincoln Property Co. Southwest	MFDR	266	DU
MV-81	35769 Michael Chen	MFDR	16	DU
MV-82	PA09-0006 Jim Nydam	MFDR	15	DU
MV-83	35861 Frederick Homes	MFDR	24	DU
MV-84	36038 Alessandro Village Plaza, LLC	MFDR	96	DU
MV-85	35304 Jimmy Lee	MFDR	12	DU
MV-86	Alessandro & Lasselle	Shopping Center	140.000	TSF
MV-87	Food 4 Less - Fueling Station	Gas Station with Convenience Market	16	VFP
MV-88	El Paso (food court)	Fast Food no Drive Thru	--	TSF
MV-89	O'Reilly Automotive	Automobile Parts Sale	7.500	TSF
	PA15-004	Retail/Restaurant/Fast Food	2.973	TSF
MV-90	Moval Assemblage	High-Cube Warehouse	456.337	TSF
MV-91	Restaurant	Restaurant	9.000	TSF
MV-92	Rancho Belago Plaza - Retail	Retail	14.000	TSF
MV-93	Yum Donut Shop	Coffee/Donut Shop w/o Drive-Thru	4.351	TSF
MV-94	Hawthorn Inn & Suites	Hotel	79	RMS
MV-95	Sleep Inn Suites	Hotel	66	RMS
MV-96	Integrated Care Communities	Nursing Home	44.000	TSF
MV-97	Kaiser Permanente - Emergency Room Expansion	Medical Offices	--	TSF

TAZ	Project Name	Land Use ¹	Quantity	Units ²
MV-98	Moreno Valley Professional Center	General Office	84.000	TSF
MV-99	Olivewood Plaza - Office Building	General Office	23.000	TSF
MV-100	Renaissance Village of Moreno Valley	Senior Adult Housing-Attached	44	DU
MV-101	Riverside County Office Building	General Office	52.000	TSF
MV-102	Gateway Business Park	Residential Condo/Townhouse	34	DU
MV-103	Shaw Development	High-Cube Warehouse	367.000	TSF
MV-104	IDS/Real Estate Group - Nandina Distribution Center	High-Cube Warehouse	697.000	TSF
MV-105	Stoneridge Town Centre - Vacant Restaurant	Restaurant	5700.000	TSF
MV-106	Ironwood Residential	SFDR	144	DU
MV-107	TTM 31592 (P 13-078) Covey Ranch	SFDR	115	DU
MV-108	PA 06-0014 (Pierce Hardy Limited Partnership)	Lumbar Yard	67.000	TSF
MV-109	P06-1408	Retail	75.300	TSF
MV-110	PA13-009	Gas Station	16	VFP
MARCH JOINT POWERS AUTHORITY				
MA-1	March Lifecare Campus Specific Plan ⁴	Medical Offices	190.000	TSF
		Commercial Retail	210.000	TSF
		Research & Education	200.000	TSF
		Hospital	50	Beds
		Institutional Residential	660	Beds
MA-2	Airport Master Plan	Airport Use	559.000	TSF
MA-3	Freeway Business Center (March JPA)	High-Cube Warehouse	710.083	TSF
COUNTY OF RIVERSIDE				
RC-1	SP 341; PP 21552 (Majestic Freeway Business Center)	High-Cube Warehouse	6100.715	TSF
RC-2	PP 20699 (Oleander Business Park)	Warehousing	1206.710	TSF
RC-3	Ramona Metrolink Station	Light Rail Transit Station	300	SP
RC-4	PP 22925 (Amstar/Kaliber Development)	Office (258.102 TSF)	258.102	TSF
		Warehousing	409.312	TSF
		General Light Industrial	42.222	TSF
		Retail	10.000	TSF
RC-5	Alessandro Metrolink Station	Light Rail Transit Station	300	SP
RC-6	Meridian Business Park North	Industrial Park	5985.000	TSF
RC-7	PP 18908	General Light Industrial	133.000	TSF
RC-8	Tract 33869	SFDR	39.000	DU
RC-9	PP 16976	General Light Industrial	85.000	TSF
RC-10	PP 21144	Industrial Park	190.802	TSF
RC-11	a Villages of Lakeview	SFDR	860	DU
		Condo/Townhomes	1,920	DU
		Elementary School	1,200	STU
		Commercial Retail	100.000	TSF
		Soccer Complex	12	Fields
		City Park	8.9	AC
		County Park	8.1	AC
		Regional Park	107.1	AC
	b Motte Lakeview Ranch	SFDR	847	DU

TAZ	Project Name	Land Use ¹	Quantity	Units ²
		Condo/Townhomes	686	DU
		Apartments	467	DU
		Elementary School	650	STU
		Middle School	300	STU
		Commercial Retail	120.000	TSF
		Regional Park	177.0	AC
RC-12	CUP03315	Gas Station w/ Market	17	VFP
		Fast Food w/o Drive Thru	5.600	TSF
		High-Turnover Restaurant	6.500	TSF
RC-13	PP23342	Industrial Park	180.600	TSF
RC-14	TR30592	SFDR	131	DU
RC-15	Rider Street Quarry	Quarry	2500.0	AC
RC-16	PP 20711	Manufacturing	20.0	AC
	Yocum Baldwin	Warehousing	46.8	AC
RC-17	March Business Center - South Campus	Shopping Center	108.900	TSF
		Industrial Park	1336.700	TSF
		Large Industrial Park	3269.000	TSF
		General Office Building	140.600	TSF
		Manufacturing	215.600	TSF
		Warehousing	1379.200	TSF
		Park	50.0	AC
		R&D	1611.800	TSF
RC-18	Ben Clark Training Facility	Students	5,045	STU
		Employees	354	EMP
RC-19	PP 20103	Gen. Light Industrial	290.985	TSF
RC-20	Nuevo Business Park	Gen. Light Industrial	357.156	TSF
		Warehousing	1767.618	TSF
RC-21	Meridian (March Business Park SP)	Business Park	41917.000	TSF
RC-22	Blanding Assemblage	High-Cube Warehouse	707.880	TSF
RC-23	CUP 03527	Warehousing	8.000	TSF
RC-24	CUP 03599	Hotel	52.798	TSF
RC-25	PP 24608	Retail	9.280	TSF
RC-26	PM 32699	SFDR	2.00	DU
RC-27	PP 25699	Fast-Food w/Drive Thru	2.800	TSF
		Retail	19.000	TSF
RC-28	TR 30592	SFDR	131.00	DU
RC-29	PP 25768	Manufacturing	52.450	TSF
RC-30	CUP 03620R1	Gas Station w/ Market	8.00	VFP
RC-31	TTM 33410 Box Springs	SFDR	142	DU
RC-32	Knox Logistics	High-Cube Warehouse	1,259.050	TSF
RC-33	University Highlands	SFDR	405	DU
		Condo/Townhomes	320	DU
		Apartments	1,475	DU
		Shopping Center	50.0	TSF
		Parks	42.4	AC

TAZ	Project Name	Land Use ¹	Quantity	Units ²
CITY OF RIVERSIDE				
R-1	P07-1028 (Alessandro Business Park)	General Light Industrial	662.018	TSF
	Alessandro and Gorgonio	Fast Food w/Drive Thru	4.050	TSF
R-2	Alessandro Bl. (APN 263-091-008; 263-100-019; 263-100-005; P14-0841 to 0848)	Commercial and Industrial Complex	101.580	TSF
R-3	California Baptist University Specific Plan	University	157.0	AC
R-4	Canyon Springs Specific Plan	Hospital	280	BEDS
		Medical-Dental Office	370.000	TSF
		Senior Adult Housing-Attached	234	DU
		Assisted Living	267	BEDS
R-5	Citrus Business Park Specific Plan	Industrial Business Park	49.0	AC
R-6	Downtown Specific Plan	Residential	5,000	DU
R-7	Hunter Business Park	Industrial	1300.0	AC
R-8	La Sierra University Specific Plan	Mixed-Use		
R-9	Magnolia Avenue Specific Plan	Mixed-Use/Very High Residential	1473.0	AC
R-10	Marketplace Specific Plan	Commercial Retail/Office	200.0	AC
R-11	Mission Grove Specific Plan	Business/Office Park	56.8	AC
		Commercial Retail	68.1	AC
		High Density Residential	53.8	AC
		Low Density Residential	78.4	AC
		Medium Density Residential	155.3	AC
R-12	Orangecrest Specific Plan	Rural Residential	2.1	AC
		Business/Office Park	2.7	AC
		Commercial Retail	139.0	AC
		High Density Residential	13.7	AC
		Low Density Residential	540.8	AC
		Medium Density Residential	1217.8	AC
		Public Facilities/Institutions	121.6	AC
		Public Park	59.5	AC
R-13	Rancho La Sierra Specific Plan	SFDR	598	DU
R-14	Riverside Auto Center Specific Plan	Auto Center		
R-15	Riverwalk Vista Specific Plan	Residential	402	DU
R-16	Sycamore Canyon Specific Plan	Hillside Residential	41.8	AC
		Low Density Residential	97.3	AC
		Medium Density Residential	14.8	AC
		Very Low Density Residential	884.2	AC
		Public Park	27.9	AC
R-17	Sycamore Canyon Business Park Specific Plan	Business/Office Park	847.2	AC

TAZ	Project Name	Land Use ¹	Quantity	Units ²
		Commercial Retail	10.3	AC
		Commercial Retail	14.6	AC
		High Density Residential	52.2	AC
		Medium Density Residential	99.1	AC
		Public Facilities	1.6	AC
			144.2	AC
		Very Low Density Residential	49.1	AC
R-18	Sycamore-Highlands Specific Plan			
R-19	University Avenue Specific Plan	Mixed-Use	Varies	
R-20	807 Blaine Street (P09-0717; P09-0718)	Apartments	55	DU
R-21	2340 Fourteenth Street (P09-0808; P08-0809)	Senior Housing	134	BEDS
R-22	Park Sierra Avenue (P14-0026; P14-0027)	Fast Food w/Drive Thru	3.500	TSF
	6287 Day Street (P10-0090; P10-0091)	Gas Station	2	VFP
R-23	2570 Canyon Springs Parkway (P08-0274; P08-0275)	Bank w/ Drive Thru	2.746	TSF
	6211 Valley Springs Parkway (Steak 'N Shake Restaurant; P14-0536)	Fast Food w/Drive Thru	3.750	TSF
R-24	N. of Van Buren Boulevard; W. of Wood Street (P10-0808; P10-0708)	Fast Food w/Drive Thru	2.361	TSF
R-25	E. of Commerce St., between Mission Inn Av. and Ninth St. (P14-0045; P14-0046; P14-0047; P14-0048; P14-0049)	Apartments	208	DU
R-26	NWC of Riverwalk Parkway and Flat Rock Drive (P12-0019; P12-0156; P12-0158)	Convenience Store	2.400	TSF
		Coffee Shop	3.946	TSF
R-27	3875 Dawes Street (P10-0438; Magnolia Garden Condominiums)	Condo/Townhomes	62	DU
R-28	5938-5944 Grand Avenue (P12-0266; P12-0267; P12-0268)	Senior Housing	37	DU
R-29	4445 Magnolia Avenue (P13-0207; P13-0208; P13-0209; P13-0210; P13-0211)	Hospital Expansion	Varies	
R-30	SR-91/Van Buren Commercial	Commercial Retail	23.565	TSF
R-31	360 Alessandro Boulevard (P12-0419; P12-0557; P12-0558; P12-0559)	Bank	3.858	TSF
R-32	6465 Sycamore Canyon Boulevard	Health Club	4.000	TSF
R-33	2450 Market Street (P13-0087; P13-0262)	Apartments	77	DU
R-34	6091 Victoria Avenue (P13-0432)	Day Care	1.831	TSF
	14601 Dauchy Av. - TM 36370 (P12-0601; P12-0697; P12-0698)	SFDR	10	DU
R-35	TM 32180 (P07-1073)	SFDR	9	DU
	18875 Moss Road	SFDR	8	DU
	South of Clarke St., west of Crystal View Terrace (PM 34583' {09-0141; P09-173)	SFDR	3	DU
R-36	4824 Jones Avenue (P13-0181; P13-0182)	Church	23.124	TSF
R-37	2586 University avenue (P13-0650; P13-0651)	Bed and Breakfast	3.618	TSF
R-38	18580 Van Buren Boulevard (P08-0402; P13-0822)	Auto Repair Shop	8.142	TSF
R-39	4247 Van Buren Boulevard (P13-0785; P13-0787)	Church Expansion	12.166	TSF
R-40	SWC of Lurin Avenue and Wood Road (P06-0900; P08-0269; P08-0270; TTM 32301)	SFDR	20	DU

TAZ	Project Name	Land Use ¹	Quantity	Units ²
R-41	8616 California Avenue (P08-0084; PM 35852)	Condo/Townhomes	21	DU
R-42	19811 Lurin Avenue (P06-1355; TM 33480)	SFDR	32	DU
R-43	APN:266140029, 030 (P06-1396; Mariposa Avenue; TM 33481)	SFDR	25	DU
R-44	APN:266140002, 021, 022 (P06-1404; Lurin Avenue; TM 33482)	SFDR	29	DU
R-45	3719 Strong Street (P05-0269; P08-0416; TM 33550)	SFDR	9	DU
R-46	1006 & 1008 Clark Street (P06-0782; TM 34908)	SFDR	15	DU
R-47	E. of Gratton St., W. of Corsica Av., N. of Van Buren Bl. (P05-1528; P09-0087; TM 34509)	SFDR	50	DU
R-48	NWC of Dominion Avenue and Division Street (P08-0396; P08-0397; P08-0398; P08-0399; TM 35620)	Condo/Townhomes	36	DU
R-49	6639 Hillside Avenue (P08-0727; PM 35901)	Industrial	5	LOTS
R-50	19985 Van Buren Boulevard (P10-0118; Gless Ranch)	Commercial Retail	425.447	TSF
R-51	3990 Reynolds Road (P12-0021; P12-0022; P12-0074; PM 36442)	Condo/Townhomes	102	DU
R-52	NEC of Martha Way & Everest Avenue (P13-0389; TM 36579)	SFDR	5	DU
R-53	4325, 4335, 4345, 4355, 4375 Adams Street (P13-0723; P13-0724; P13-0725; TM 36654)	SFDR	62	DU
R-54	5200 Van Buren Boulevard (P09-0600; P09-0601; Walmart Expansion)	Free Standing Discount Store	22.272	TSF
R-55	P06-0160	Gen. Light Industrial	316.224	TSF
	P06-1281	Warehousing	107.732	TSF
R-56	9241 & 9265 Audrey Avenue (P12-0184; P12-0185; P12-0187; Azar Plaza)	Commercial Retail	6.150	TSF
R-57	Office, Magnon & Panattoni	Office	131.000	TSF
		Warehousing	1400.000	TSF
		Warehousing	300.000	TSF
		Warehousing	216.000	TSF
R-58	1710 Main Street (P12-0717)	Family Dollar Store	8.039	TSF
R-59	2861 Mary Street (P12-0442; P12-0443; P12-0444)	Shopping Center	56.101	TSF
R-60	3545 Central Avenue (P12-0741; P12-0743)	Riverside Plaza Renovations	35.0	AC
R-61	5731, 5741, 5761 & 5797 Pickler Street (P13-0198; P13-0199; P13-0200; P13-0201)	Apartments	30	DU
R-62	3705 Tyler Street (P13-0501; P13-0502)	Restaurant	6.000	TSF
R-63	6570 Magnolia Avenue; 3739 & 3747 Central Avenue (P13-0196; P13-0197)	Fast Food w/Drive Thru	3.795	TSF
R-64	5940-5980 Sycamore Canyon Boulevard (P13-0553; P13-0554; P13-0583; P14-0065)	Apartments	275	DU
R-65	SEC Sycamore Canyon Boulevard & Box Springs Road (P13-0607; P13-0608; P0609; P13-0854)	General Light Industrial	171.616	TSF
R-66	P06-0591	Office	37.939	TSF
		Warehousing	782.188	TSF
		Manufacturing	168.294	TSF
R-67	474 Palmyrita Avenue (P13-0956; P13-0959; P13-0960; P13-0963; P13-0964; P13-0965; P13-0966)	High-Cube Warehouse	1461.449	TSF

TAZ	Project Name	Land Use ¹	Quantity	Units ²
CITY OF PERRIS				
P-1	P 05-0113 (IDI)	High-Cube Warehouse	1750.000	TSF
P-2	P 05-0192 (Oakmont I)	High-Cube Warehouse	697.600	TSF
P-3	P 05-0477	High-Cube Warehouse	462.692	TSF
P-4	Rados Distribution Center	High-Cube Warehouse	1200.000	TSF
P-5	Investment Development Services (IDS) II	High-Cube Warehouse	350.000	TSF
P-6	P 07-09-0018	Warehousing	170.000	TSF
P-7	P 07-07-0029 (Oakmont II)	High-Cube Warehouse	1600.000	TSF
P-8	TR 32707	SFDR	137	DU
P-9	TR 34716	SFDR	318	DU
P-10	P 05-0493 (Ridge I)	High-Cube Warehouse	700.000	TSF
P-11	Ridge II	High-Cube Warehouse	2000.000	TSF
P-12	Harvest Landing Specific Plan	SFDR	717	DU
		Condo/Townhomes	1,139	DU
		Sports Park	16.7	AC
		Business Park	1233.401	TSF
		Shopping Center	73.181	TSF
	Perris Marketplace	Shopping Center	450.000	TSF
P-13	P 06-0411 (Concrete Batch Plant)	Manufacturing	2.000	TSF
P-14	Jordan Distribution	High-Cube Warehouse	378.000	TSF
P-15	Aiere	High-Cube Warehouse	642.000	TSF
P-16	P 08-11-0005; P 08-11-0006 (Starcrest)	High-Cube Warehouse	454.088	TSF
P-17	Stratford Ranch Specific Plan	High-Cube Warehouse	1725.411	TSF
P-18	Stratford Ranch Specific Plan	High-Cube Warehouse	480.000	TSF
		General Light Industrial	120.000	TSF
P-19	P05-0493	Logistics	597.370	TSF
P-20	Starcrest, P011-0005; 08-11-0006	General Light Industrial	454.088	TSF
P-21	South Perris Industrial Phase 1	Logistics	787.700	TSF
P-22	South Perris Industrial Phase 2	Logistics	3448.734	TSF
P-23	South Perris Industrial Phase 3	Logistics	3166.857	TSF
P-24	P 04-0343	Warehousing	41.650	TSF
P-25	P 06-0228	General Light Industrial	149.738	TSF
P-26	P 06-0378	Senior Housing	429	DU
P-27	P 11-09-0011	Retail	80.000	TSF
P-28	P 12-05-0013	Apartments	75	DU
P-29	P 12-10-0005	High-Cube Warehouse	1463.887	TSF
P-30	TR 30850	Residential	496	DU
P-31	TR 30973	Residential	35	DU
P-32	TR 31225	Residential	57	DU
P-33	TR 31226	Residential	82	DU
P-34	TR 31240	Residential	114	DU
P-35	TR 31407	Residential	243	DU
P-36	TR 31650	SFDR	61	DU
P-37	TR 31659	SFDR	161	DU
P-38	TR 32041	Residential	122	DU
P-39	TR 32406	SFDR	15	DU
P-40	TR 33193	Townhomes	94	DU

TAZ	Project Name	Land Use ¹	Quantity	Units ²
P-41	TR 33338	Residential	75	DU
P-42	Park West Specific Plan	SFDR	521	DU
		Elementary School	750	STU
		Neighborhood Park	5.0	AC
P-43	The Venue	Commercial Retail	642.627	TSF
	Retail on San Jacinto	Commercial Retail	217.800	TSF
	Retail on Redlands	Fast Food w/ Drive Thru	4.500	TSF
		Pharmacy w/ Drive Thru	14.000	TSF
		Specialty Retail	31.500	TSF
P-44	South Perris Metrolink Station	Light Rail Transit Station	680	SP
P-45	IDS 04-0464	High-Cube Warehouse	1686.760	TSF
P-46	TTM 32708 (50% Complete)	SFDR	238	DU
P-47	PM 34199	Gen. Light Industrial	46.500	TSF
	DPR 05-0387	Gen. Light Industrial	9.854	TSF
	DPR 05-0452	Warehousing	31.200	TSF
	TPM 34697	Gen. Light Industrial	47.400	TSF
	DPR 06-0396	Warehousing	159.823	TSF
P-48	Integra Pacific Industrial Facility	High-Cube Warehouse	880.000	TSF

1 SFDR = Single Family Detached Residential ; MFDR = Multi-Family Detached Residential

2 DU = Dwelling Units; TSF = Thousand Square Feet; SP = Spaces; VFP = Vehicle Fueling Positions; RMS = Rooms; AC = Acres; EMP = Employees

3 Source: Cactus Avenue and Commerce Center Drive Commercial Center TIA, Urban Crossroads, Inc., December 9, 2008 (Revised).

4 Source: March Lifecare Campus Specific Plan Traffic Impact Analysis, Mountain Pacific, Inc., May 2009 (Revised).

4 FINDINGS & CONCLUSIONS

4.1 CONSTRUCTION-SOURCE EMISSIONS

REGIONAL IMPACTS

For regional emissions, the Project will exceed the numerical thresholds of significance established by the SCAQMD for emissions of VOCs and NO_x prior to implementation of applicable BACMs and MMs.

Even after implementation of the applicable BACMs and MMs, construction activity emissions will exceed the numerical thresholds established by the SCAQMD for emissions of NO_x. Thus a significant impact will occur even with the implementation of applicable BACMs and MMs. Project construction-source NO_x emissions exceedances of applicable SCAQMD regional thresholds are therefore considered significant and unavoidable.

LOCALIZED IMPACTS

Without BACMs and MMs, emissions during construction activity will exceed the SCAQMD's localized significance threshold for emissions of NO₂, PM₁₀, and PM_{2.5}. It should be noted that the impacts without BACMs do not take credit for reductions achieved through implementation of standard regulatory requirements (e.g., Rule 403)⁷. After implementation of applicable BACMs and MMs, the emissions resulting from short-term construction activity will not exceed the SCAQMD LST thresholds and are therefore considered less-than-significant.

ODORS

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

4.2 OPERATIONAL-SOURCE EMISSIONS

REGIONAL IMPACTS

For regional emissions, the Project would exceed the numerical thresholds of significance established by the SCAQMD for emissions of VOCs and NO_x. Even with implementation of applicable MMs, no feasible mitigation measures exist (as shown in Section 4.6) that would reduce these emissions to levels that are less-than-significant. Project operational-source VOCs and NO_x emissions exceedances of applicable SCAQMD regional thresholds are therefore considered significant and unavoidable.

⁷ The CalEEMod emissions inventory model has a limitation whereby regulatory requirements such as Rule 403 which requires watering, are not reflected in the "unmitigated" emissions output.

LOCALIZED IMPACTS

Project operational-source emissions would not result in or cause a significant localized air quality impact as discussed in the operational LSTs section of this report. The proposed Project would not result in a significant CO “hotspot” as a result of Project related traffic during ongoing operations, nor would the Project result in a significant adverse health impact as discussed in Section 3.8, thus a less than significant impact to sensitive receptors during operational activity is expected.

ODORS

Substantial odor-generating sources include land uses such as agricultural activities, feedlots, wastewater treatment facilities, landfills or various heavy industrial uses. The Project does not propose any such uses or activities that would result in potentially significant operational-source odor impacts. Potential sources of operational odors generated by the Project would include disposal of miscellaneous refuse. Moreover, SCAQMD Rule 402 acts to prevent occurrences of odor nuisances (1). Consistent with City requirements, all Project-generated refuse would be stored in covered containers and removed at regular intervals in compliance with solid waste regulations. Potential operational-source odor impacts are therefore considered less-than-significant.

4.3 STANDARD REGULATORY REQUIREMENTS/BEST AVAILABLE CONTROL MEASURES (BACMs)

Measures listed below (or equivalent language) shall appear on all Project grading plans, construction specifications and bid documents, and the City shall ensure such language is incorporated prior to issuance of any development permits. City monitoring of construction activities shall be conducted to ensure mitigation compliance.

SCAQMD Rules that are currently applicable during construction activity for this Project include but are not limited to: Rule 1113 (Architectural Coatings) (47); Rule 431.2 (Low Sulfur Fuel) (43); Rule 403 (Fugitive Dust) (48); and Rule 1186 / 1186.1 (Street Sweepers) (49). In order to facilitate monitoring and compliance, applicable SCAQMD regulatory requirements are summarized below.

BACM AQ-1

The following measures shall be incorporated into Project plans and specifications as implementation of Rule 403 (48):

- All clearing, grading, earth-moving, or excavation activities shall cease when winds exceed 25 mph per SCAQMD guidelines in order to limit fugitive dust emissions.
- The contractor shall ensure that all disturbed unpaved roads and disturbed areas within the Project are watered at least three (3) times daily during dry weather. Watering, with complete coverage of disturbed areas, shall occur at least three times a day, preferably in the mid-morning, afternoon, and after work is done for the day.
- The contractor shall ensure that traffic speeds on unpaved roads and Project site areas are reduced to 15 miles per hour or less.

4.4 CONSTRUCTION-SOURCE MITIGATION MEASURES

MM AQ-1

Only “Low-Volatile Organic Compounds” paints (no more than 50 gram/liter of VOC) consistent with South Coast Air Quality Management District Rule 1113 shall be used.

MM AQ-2

Based on consultation with the client, construction equipment shall be mitigated consistent with the engine tier specifications as follows, (Additional details on engine tier specification by equipment is provided at Appendix 3.4).

During Grading activity for Building 1, on-site off-road construction equipment shall adhere to the following horsepower-hours by California Air Resources Board (CARB) engine tiers as follows:

Tier 0: 3,608 horsepower-hours per day

Tier 1: 7,760 horsepower-hours per day

Tier 3: 14,000 horsepower-hours per day

Tier 4: 37,008 horsepower-hours per day

During Trenching activity for Building 1, on-site off-road construction equipment shall adhere to the following horsepower-hours by California Air Resources Board (CARB) engine tiers as follows:

Tier 3: 11,648 horsepower-hours per day

Tier 4: 9,648 horsepower-hours per day

During Concrete Shell activity for Building 1, on-site off-road construction equipment shall adhere to the following horsepower-hours by California Air Resources Board (CARB) engine tiers as follows:

Tier 3: 3,520 horsepower-hours per day

Tier 4: 14,160 horsepower-hours per day

During Steel & Roof activity for Building 1, on-site off-road construction equipment shall adhere to the following horsepower-hours by California Air Resources Board (CARB) engine tiers as follows:

Tier 0: 3,440 horsepower-hours per day

Tier 4: 8,496 horsepower-hours per day

During Roofing & Overhead Work activity for Building 1, on-site off-road construction equipment shall adhere to the following horsepower-hours by California Air Resources Board (CARB) engine tiers as follows:

Tier 0: 1,152 horsepower-hours per day

Tier 2: 1,760 horsepower-hours per day

Tier 4: 8,496 horsepower-hours per day

During Architectural Coating activity for Building 1, on-site off-road construction equipment shall adhere to the following horsepower-hours by California Air Resources Board (CARB) engine tiers as follows:

Tier 4: 11,328 horsepower-hours per day

During Misc. Finishes activity for Building 1, on-site off-road construction equipment shall adhere to the following horsepower-hours by California Air Resources Board (CARB) engine tiers as follows:

Tier 0: 768 horsepower-hours per day

Tier 4: 5,664 horsepower-hours per day

During Paving activity for Building 1, on-site off-road construction equipment shall adhere to the following horsepower-hours by California Air Resources Board (CARB) engine tiers as follows:

Tier 3: 6,248 horsepower-hours per day

Tier 4: 2,832 horsepower-hours per day

During Grading activity for Buildings 2, 3, and 4 each, on-site off-road construction equipment shall adhere to the following horsepower-hours by California Air Resources Board (CARB) engine tiers as follows:

Tier 3: 8,720 horsepower-hours per day

Tier 4: 16,096 horsepower-hours per day

During Trenching activity for Buildings 2, 3, and 4 each, on-site off-road construction equipment shall adhere to the following horsepower-hours by California Air Resources Board (CARB) engine tiers as follows:

Tier 3: 5,824 horsepower-hours per day

Tier 4: 4,824 horsepower-hours per day

During Concrete Shell activity for Buildings 2, 3, and 4 each, on-site off-road construction equipment shall adhere to the following horsepower-hours by California Air Resources Board (CARB) engine tiers as follows:

Tier 3: 1,760 horsepower-hours per day

Tier 4: 11,328 horsepower-hours per day

During Steel & Roof activity for Buildings 2, 3, and 4 each, on-site off-road construction equipment shall adhere to the following horsepower-hours by California Air Resources Board (CARB) engine tiers as follows:

Tier 0: 1,720 horsepower-hours per day

Tier 4: 5,664 horsepower-hours per day

During Roofing & Overhead Work activity for Buildings 2, 3, and 4 each, on-site off-road construction equipment shall adhere to the following horsepower-hours by California Air Resources Board (CARB) engine tiers as follows:

Tier 0: 384 horsepower-hours per day

Tier 2: 880 horsepower-hours per day

Tier 4: 5,664 horsepower-hours per day

During Architectural Coating activity for Buildings 2, 3, and 4 each, on-site off-road construction equipment shall adhere to the following horsepower-hours by California Air Resources Board (CARB) engine tiers as follows:

Tier 4: 2,832 horsepower-hours per day

During Misc. Finishes activity for Buildings 2, 3, and 4 each, on-site off-road construction equipment shall adhere to the following horsepower-hours by California Air Resources Board (CARB) engine tiers as follows:

Tier 0: 384 horsepower-hours per day

Tier 4: 2,832 horsepower-hours per day

During Paving activity for Buildings 2, 3, and 4 each, on-site off-road construction equipment shall adhere to the following horsepower-hours by California Air Resources Board (CARB) engine tiers as follows:

Tier 3: 3,448 horsepower-hours per day

Tier 4: 2,832 horsepower-hours per day

4.5 OPERATIONAL-SOURCE MITIGATION MEASURES

MM AQ-3:

Prior to the issuance of building permits, the Project applicant shall ensure that the Project is designed to achieve efficiency equal to or exceeding then incumbent (2013 or later) California Building Code Title 24 requirements.

MM AQ-4:

To reduce water consumption and the associated energy-usage, the Project will be designed to comply with the mandatory reductions in indoor water usage contained in the incumbent

CalGreen Code (50) and any mandated reduction in outdoor water usage contained in the City's water efficient landscape requirements. Additionally, the Project shall implement the following:

- Landscaping palette emphasizing drought tolerant plants;
- Use of water-efficient irrigation techniques;
- U.S. EPA Certified WaterSense labeled or equivalent faucets, high-efficiency toilets (HETs), and water-conserving shower heads.

MM AQ-5:

The Project will reduce vehicle miles traveled and emissions associated with by implementing the following measures:

- Pedestrian and bicycle connections shall be provided to surrounding areas consistent with the City's General Plan.
- Implement a voluntary trip reduction program, for which all employees shall be eligible to participate.

MM AQ-6:

The truck access gates and loading docks within the truck court on the Project site shall be posted with signs which state:

- a) Truck drivers shall turn off engines when not in use;
- b) Diesel delivery trucks servicing the Project shall not idle for more than five (5) minutes^[1]; and
- c) Telephone numbers of the building facilities manager and the CARB to report violations.

MM AQ-7:

- Site design shall allow for trucks to check-in within the facility area to prevent queuing of trucks outside the facility.^[2]
- Signs shall be posted in loading dock areas that instruct truck drivers to shut 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 (51).

MM AQ-8

A frequent CEQA petitioner in the Inland Empire routinely asks lead agencies to impose dozens and dozens of a variety of mitigation measures. This list includes suggestions that are often duplicative of current SCAQMD Rules and are duplicative in and of themselves. In an effort to hopefully forestall a future dispute on air quality issues, this assessment has already included most of the mitigation measures from this list that are not already duplicative of existing Rules, State law, and other mitigation measures. As a conservative measure, no reduction for any of the measures listed under MM AQ-8 is taken in the analysis.

^[1] While restricted idling is required per MM HRA-1, the analysis presented here takes no quantified credit or reduction in emissions for restricted idling, and reflects an assumed 15-minute "worst case" idling condition.

^[2] As above, no quantified credit or reduction in emissions is taken for site design requirements reflected in MM HRA-2

Construction Impacts

- Gravel pads must be installed at all access points to prevent tracking of mud onto public roads.
- Install and maintain trackout control devices in effective condition at all access points where paved and unpaved access or travel routes intersect (eg. Install wheel shakers, wheel washers, and limit site access.)
- Limit fugitive dust sources to 20 percent opacity.
- Require a dust control plan for earthmoving operations.
- When materials are transported off-site, all material shall be covered or effectively wetted to limit visible dust emissions, and at least six inches of freeboard space from the top of the container shall be maintained.
- All streets shall be swept at least once a day using SCAQMD Rule 1186 certified street sweepers utilizing reclaimed water trucks if visible soil materials are carried to adjacent streets.
- The contractor or builder shall designate a person or persons to monitor the dust control program and to order increased watering, as necessary, to prevent transport of dust offsite.
- Post a publicly visible sign with the telephone number and person to contact regarding dust complaints. This person shall respond and initiate corrective action within 24 hours.
- Any vegetative cover to be utilized onsite shall be planted as soon as possible to reduce the disturbed area subject to wind erosion. Irrigation systems required for these plants shall be installed as soon as possible to maintain good ground cover and to minimize wind erosion of the soil.
- Any on-site stock piles of debris, dirt, or other dusty material shall be covered or watered as necessary to minimize fugitive dust pursuant to SCAQMD Rule 403.
- A high wind response plan shall be formulated for enhanced dust control if winds are forecast to exceed 25 mph in any upcoming 24-hour period.
- Implement activity management techniques including
 - Development of a comprehensive construction management plan designed to minimize the number of large construction equipment operating during any given time period;
 - Scheduling of construction truck trips during non-peak hours to reduce peak hour emission to the extent feasible;
 - Require the use of CARB certified equipment for construction activities to the extent feasible.
 - The developer shall require all contractors to turn off all construction equipment and delivery vehicles when not in use and/or idling in excess of 3 minutes.
 - Restrict engine size of construction equipment to minimum practical size.
 - Electrical powered equipment shall be utilized in-lieu of gasoline-powered engines where technically feasible.
 - Provide temporary traffic controls such as a flag person, during all phases of construction to maintain smooth traffic flow.
 - Reroute construction trucks away from congested streets and sensitive receptor areas.
 - Configure construction parking to minimize traffic interference.
 - Minimize construction worker trips by encouraging carpooling and providing for lunch onsite.

- Provide on-site food service options for the construction crew.
- Encourage construction workers to utilize shuttle service to transit stations/multimodal center.

Operational Emissions

- Encourage all fleet vehicles to conform to 2010 air quality standards or better. Users shall maintain compliance through normal course of business. Any spaces utilizing refrigerated storage shall provide an electrical hookup for refrigeration units on delivery trucks. Trucks incapable of utilizing the electrical hookup for powering refrigeration shall be prohibited from accessing the site.
- Electrical powered equipment should be utilized in-lieu of gasoline-powered engines where technically feasible.
- Utilize electrical equipment for landscape maintenance to the extent feasible.
- All forklifts shall be electric, natural gas, or propane powered.
- Prohibit idling of trucks for periods exceeding three minutes.
- Charge reduced or no parking fee for EVs and CNG vehicles.
- Provide preferential parking locations for EVs and CNG vehicles.
- To ensure the shading of parking lots to reduce solar gain, plant shade trees so that at least 50% of the automotive parking lots (excluding the truck courts where trees cannot be planted due to interference with truck maneuvering) will be shaded within 15 years after Project construction is complete.
- Provide preferential parking for carpool/vanpool vehicles.
- Provide secure, weather protected bicycle parking for employees.

4.6 EVALUATION OF APPLICABILITY OF SCAQMD-RECOMMENDED MITIGATION MEASURES

The South Coast Air Quality Management District (SCAQMD) typically provides a comment letter on the Notice of Preparation for CEQA documents. The SCAQMD's comment letters include a reference to several sources to consider for purposes of mitigating significant air quality impacts. The following table evaluates the applicability of the SCAQMD's recommended measures.

TABLE 4-1: APPLICABILITY OF SCAQMD-RECOMMENDED MITIGATION MEASURES

Mitigation Measure	Applicability
Chapter 11 of the SCAQMD CEQA Air Quality Handbook (Construction)	The applicable mitigation measures listed in Chapter 11 (Tables 11-2, 11-3, and 11-4) of the SCAQMD CEQA Air Quality Handbook have been reviewed. However, none of the mitigation measures would reduce the significant NOx impacts during construction activity.
Chapter 11 of the SCAQMD CEQA Air Quality Handbook (Operations)	The applicable mitigation measures listed in Chapter 11 (Tables 11-6c and 11-7c) of the SCAQMD CEQA Air Quality Handbook have been reviewed. Some of the mitigation measures recommended here are already included in the Project, specifically: MM AQ-3 through MM AQ-8 are generally consistent with several measures recommended by SCAQMD. However, none of the additional mitigation measures beyond those identified above would reduce the significant VOC or NOx impact to less than significant levels. It should be noted the SCAQMD CEQA Air Quality Handbook has not been updated since 2003. Additionally, several of the measures listed provide a negligible VOC and NOx reduction, with a number of them designated by SCAQMD as having no quantified benefit or negligible benefit. Therefore implementation of these measures would not avoid or substantially lessen mobile source VOC or NOx emissions attributable to the project.
SCAQMD CEQA Web Pages (Fugitive Dust)	With application of BACMs and recommended MMs, the Project would not have a significant impact for construction or operational related PM10 or PM2.5 emissions. Therefore, no additional mitigation measures are required to reduce fugitive dust emissions.
SCAQMD CEQA Web Pages (Greenhouse Gases)	Same as "CAPCOA's Quantifying Greenhouse Gas Mitigation Measures" discussion. See below.
SCAQMD CEQA Web Pages (Harbor Craft, Locomotives, Ocean Going Vessels)	The following mitigation measures are not applicable to the proposed Project. It is not expected that the Project would include the use of a harbor craft, locomotives, or ocean going vessels.

Mitigation Measure	Applicability
SCAQMD CEQA Web Pages (Off-Road Engines)	Mitigation measures that would apply to off-road engines have been reviewed. Notwithstanding, implementation of these measures would not avoid or substantially lessen mobile source NOx emissions attributable to the project. Additionally, the project Applicant as part of its project design will require on-site cargo handling equipment to be CARB Tier IV compliant or non-diesel.
SCAQMD CEQA Web Pages (On-Road Engines)	The California Air Resources Board (CARB) has worked closely with the U.S. Environmental Protection Agency (U.S. EPA), engine and vehicle manufacturers, and other interested parties to reduce emissions from heavy-duty diesel vehicles in California, through a combination of measures including regulations requiring the use of ultra-low sulfur diesel fuel, new emission standards, restrictions on idling, addition of post-combustion filter and catalyst equipment, and retrofits for diesel truck fleets. These programs are expected to result in significant reductions in particulate matter (PM), nitrous oxides (NOX), volatile organic compounds (VOC), and carbon oxide (CO) emissions as they are fully implemented. Under the Truck and Bus Regulation, adopted by CARB in 2008, all diesel truck fleets operating in California are required to adhere to an aggressive schedule for upgrading and replacing heavy-duty truck engines. Pursuant to such regulation, older, heavier trucks, i.e., those with pre-2000 year engines and a gross vehicle weight rating (GVWR) greater than 26,000 pounds are already 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 (those with a GVWR of 14,001 to 26,000 pounds) must adhere to a similar schedule, and will all be replaced by 2020. Further, 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. Therefore, most heavy-duty trucks entering the project site will meet or exceed U.S. EPA 2007 and 2010 emission standards within a relatively short period of time after the project becomes operational in 2017, and all such trucks entering the property will meet or exceed such standards by 2023.

Mitigation Measure	Applicability
	Federal and state agencies regulate and enforce vehicle emission standards. It is not feasible for the City of Moreno Valley staff to effectively enforce a prohibition on trucks from entering the property that are otherwise permitted to operate in California and access other properties in the County, region, and state. And, even if the County were to apply such a restriction, it would merely cause warehouse operators using truck fleets older than 2007/2010 to locate in another location in the South Coast Air Basin where the restriction does not apply, thereby resulting in no improvement to regional air quality. Further if a truck that did not meet this requirement were to attempt access to the site and be denied, there would be more idling emissions and travel emissions associated with that truck. Additionally, SCAQMD has made similar comments in the past however the examples SCAQMD has provided on other projects do not demonstrate successful implementation of the measures. More specifically: Banning Gateway [Business Park] (City of Banning) demonstrates that limiting trucks to 2010 compliant engines can render a project unmarketable and unattractive to tenants. Based on information supplied to us by the proponents of this project, SCAQMD implored the Banning City Council to apply a condition to this project limiting trucks to 2010 or better CARB compliant engines. The City relented and applied the condition. However, over the course of several years, the project's proponents have found that the project is not marketable with that condition applied and that no prospective tenants will take the project with that condition. The project's proponents have been in discussions with the City of Banning and SCAQMD attempting to get relief from the condition, however an outcome is unknown at this time. Thus, it is our understanding that the AQMD is fully aware that a 2010 or better engine restriction was not feasible for the Banning Gateway project to implement and that this condition is generally problematic and infeasible for speculative builders of warehouse projects to practically implement. In conclusion, this prior example cited by the AQMD is not an example of a successfully implemented mitigation measure. In fact, it is an example of the measure's unacceptability in the marketplace and how it can render a project unviable.
CAPCOA's <i>Quantifying Greenhouse Gas Mitigation Measures</i>	All feasible and applicable mitigation measures listed in the Energy, Water, and Transportation sections (as shown in Chart 6-1 and Chart 6-2 of the CAPCOA document) have been applied

Mitigation Measure	Applicability
	to the analysis. However these measures are aimed at reducing GHG emissions and implementation of these measures would not avoid or substantially lessen mobile source NOx emissions attributable to the project.
SCAQMD Rule 403	As stated in Section 4.3 and identified in BACM AQ-1 the Project would need to comply with applicable SCAQMD Rules including, but not limited to Rule 403.
SCAQMD's Guidance Document for addressing Air Quality Issues in General Plans and Local Planning	These measures are not applicable to the proposed Project because the measures listed are aimed towards local governments as a guidance to reduce community exposure to source-specific air pollution impacts.

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6 CERTIFICATION

The contents of this air study report represent an accurate depiction of the environmental impacts associated with the proposed Moreno Valley Logistics Center Project. The information contained in this air quality impact report is based on the best available data at the time of preparation. If you have any questions, please contact me directly at (949) 660-1994 ext. 217.

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EDUCATION

Master of Science in Environmental Studies
California State University, Fullerton • May, 2010

Bachelor of Arts in Environmental Analysis and Design
University of California, Irvine • June, 2006

PROFESSIONAL AFFILIATIONS

AEP – Association of Environmental Planners
AWMA – Air and Waste Management Association
ASTM – American Society for Testing and Materials

PROFESSIONAL CERTIFICATIONS

Environmental Site Assessment – American Society for Testing and Materials • June, 2013
Planned Communities and Urban Infill – Urban Land Institute • June, 2011
Indoor Air Quality and Industrial Hygiene – EMSL Analytical • April, 2008
Principles of Ambient Air Monitoring – California Air Resources Board • August, 2007
AB2588 Regulatory Standards – Trinity Consultants • November, 2006
Air Dispersion Modeling – Lakes Environmental • June, 2006

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APPENDIX 3.1:

STATE/FEDERAL ATTAINMENT STATUS OF CRITERIA POLLUTANTS

2013
Area Designations for State
Ambient Air Quality Standards
OZONE



Source Date:
June 2013
Air Quality Planning Branch, AQPSD

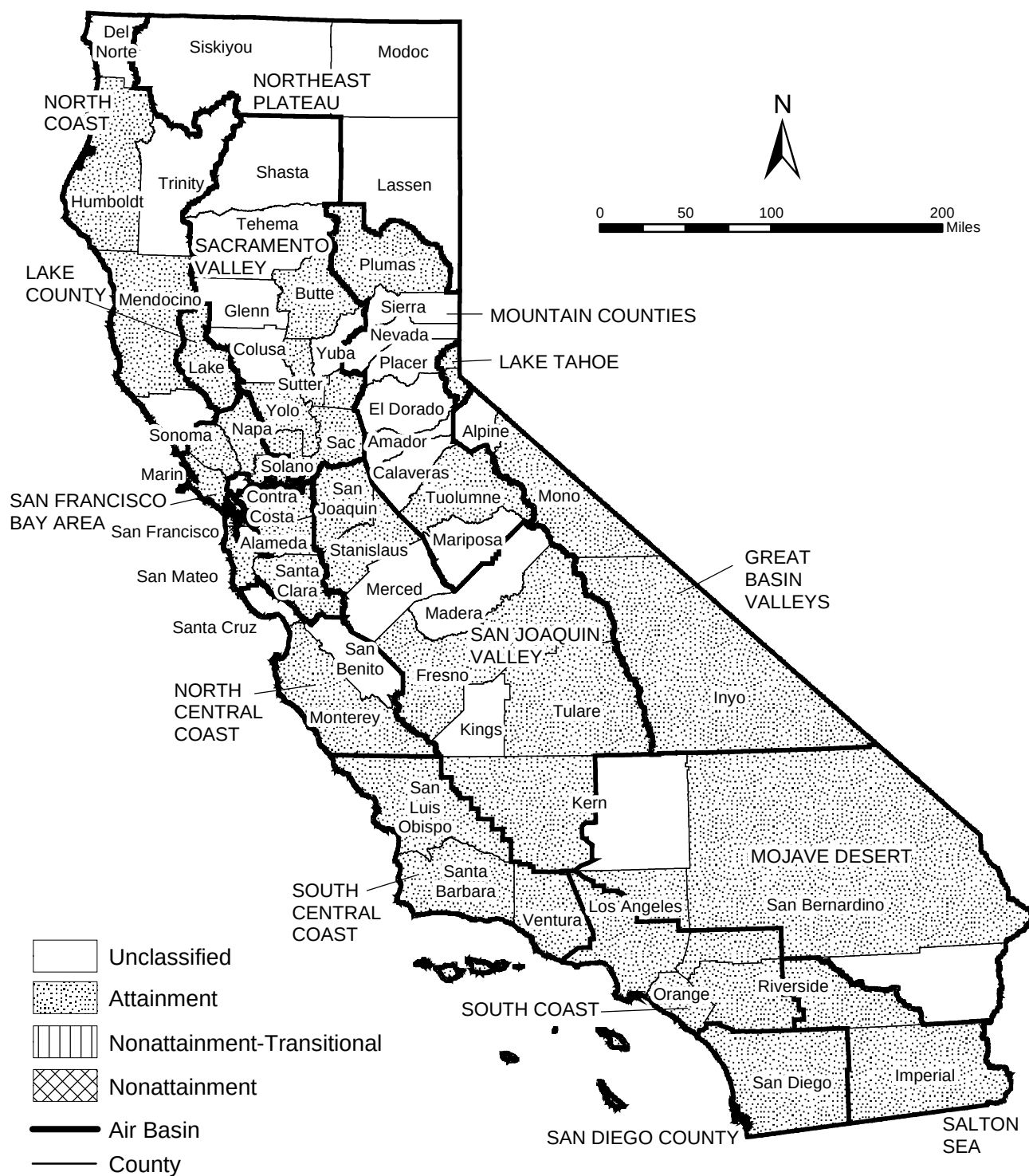
2013 Area Designations for State Ambient Air Quality Standards PM10



2013 Area Designations for State Ambient Air Quality Standards PM_{2.5}



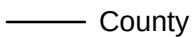
2013 Area Designations for State Ambient Air Quality Standards CARBON MONOXIDE



2013 Area Designations for State Ambient Air Quality Standards NITROGEN DIOXIDE



2013



Source Date:
June 2013

2013 Area Designations for State Ambient Air Quality Standards LEAD



Area Designations for National Ambient Air Quality Standards 8-HOUR OZONE



Area Designations for National Ambient Air Quality Standards PM10



Area Designations for National Ambient Air Quality Standards PM2.5



Area Designations for National Ambient Air Quality Standards CARBON MONOXIDE



Map of California Air Basins and Counties

Legend:

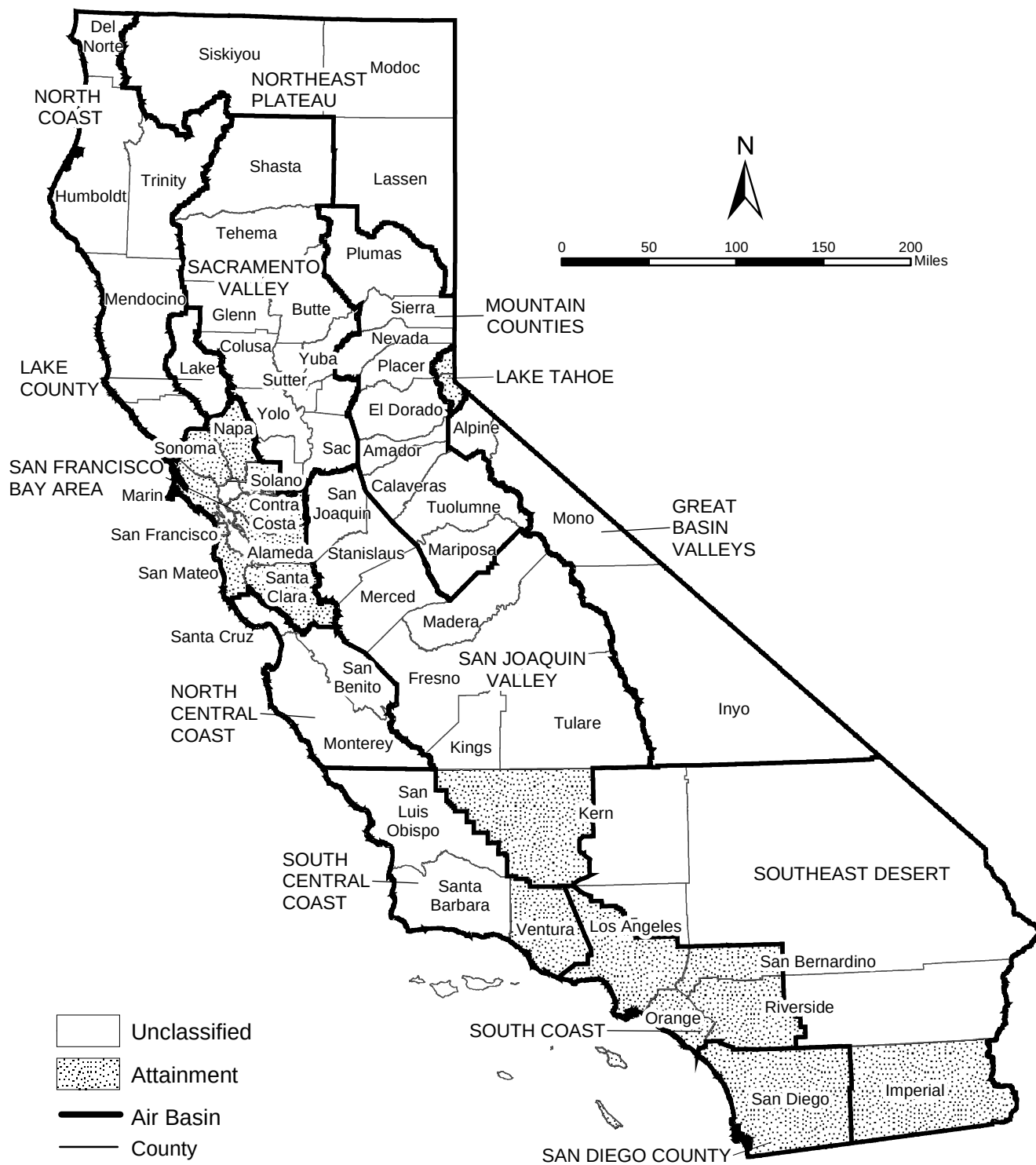
- Unclassified/Attainment
- Air Basin
- County

Regions and Counties:

- North Coast:** Del Norte, Humboldt, Trinity, Siskiyou, Modoc, Lassen, Shasta, Tehama, Plumas, Butte, Glenn, Yuba, Colusa, Sutter, Lake, Mendocino, Sonoma, Napa, Yolo, El Dorado, Alpine, Amador, Placer, Sierra, Nevada.
- Sacramento Valley:** Tehama, Glenn, Butte, Yuba, Colusa, Sutter, Lake, Mendocino, Sonoma, Napa, Yolo, El Dorado, Alpine, Amador, Placer, Sierra, Nevada.
- Mountain Counties:** Mono, Inyo, Kern, Los Angeles, San Bernardino, Riverside, Orange, San Diego, Imperial.
- Lake Tahoe:** Placer, Sierra, Nevada, El Dorado, Alpine, Amador, Placer, Sierra, Nevada.
- Great Basin Valleys:** Mono, Inyo, Kern, Los Angeles, San Bernardino, Riverside, Orange, San Diego, Imperial.
- San Joaquin Valley:** San Joaquin, Stanislaus, Merced, Madera, Fresno, Kings, Tulare, Inyo, Kern, Los Angeles, San Bernardino, Riverside, Orange, San Diego, Imperial.
- North Central Coast:** San Francisco, Marin, Contra Costa, Alameda, Santa Clara, Santa Cruz, Monterey, San Benito, Fresno, Kings, Tulare, Inyo, Kern, Los Angeles, San Bernardino, Riverside, Orange, San Diego, Imperial.
- South Central Coast:** San Luis Obispo, Santa Barbara, Ventura, Los Angeles, San Bernardino, Riverside, Orange, San Diego, Imperial.
- South Coast:** Los Angeles, San Bernardino, Riverside, Orange, San Diego, Imperial.
- Southeast Desert:** San Bernardino, Riverside, Orange, San Diego, Imperial.

Source Date:
June 2013
Air Quality Planning Branch, AQPSD

Area Designations for National Ambient Air Quality Standards SULFUR DIOXIDE



Area Designations for National Ambient Air Quality Standards LEAD



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APPENDIX 3.2:

CALEEMOD EMISSIONS MODEL OUTPUTS

MoVal Logistics Center- Construction
Riverside-South Coast County, Summer

1.0 Project Characteristics

1.1 Land Usage

Land Uses	Size	Metric	Lot Acreage	Floor Surface Area	Population
General Light Industry	385.75	1000sqft	16.70	385,748.00	0
Unrefrigerated Warehouse-No Rail	1,351.77	1000sqft	50.14	1,351,770.00	0
Parking Lot	1,998.00	Space	17.98	799,200.00	0

1.2 Other Project Characteristics

Urbanization	Urban	Wind Speed (m/s)	2.4	Precipitation Freq (Days)	28
Climate Zone	10			Operational Year	2017
Utility Company	Southern California Edison				
CO2 Intensity (lb/MW hr)	515.47	CH4 Intensity (lb/MW hr)	0.029	N2O Intensity (lb/MW hr)	0.006

1.3 User Entered Comments & Non-Default Data

Project Characteristics - CPUC GHG Calculator version 3c, worksheet tab "CO2 Allocations," cells AH/AQ 35-44.

Land Use - Total Lot Acreage:84.82; A trailer parking space requires significantly more space than one regular parking space. Therefore, for analysis purposes, 1 trailer parking=3.27 parking spaces.

Construction Phase - Based on client specifications

Off-road Equipment - Based on client specifications

Off-road Equipment - Based on client specifications

Off-road Equipment - Based on client specifications

Off-road Equipment - Based on client specifications

Off-road Equipment - Based on client specifications

Off-road Equipment - Based on client specifications

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Off-road Equipment - Based on client specifications

Off-road Equipment - Based on client specifications

Off-road Equipment - Based on client specifications

Off-road Equipment - Based on client specifications

Trips and VMT - Based on client specifications

Grading -

Architectural Coating - Based on client specifications

Vehicle Trips - Construction run only

Vehicle Emission Factors - Construction run only

Vehicle Emission Factors - Construction run only

Vehicle Emission Factors - Construction run only

Road Dust - Construction run only

Consumer Products - Construction run only

Area Coating - Construction run only

Landscape Equipment - Construction run only

Energy Use - Construction run only

Water And Wastewater - Construction run only

Solid Waste - Construction run only

Construction Off-road Equipment Mitigation - Based on client specifications

Table Name	Column Name	Default Value	New Value
tblArchitecturalCoating	ConstArea_Nonresidential_Exterior	880,747.00	243,073.00
tblArchitecturalCoating	ConstArea_Nonresidential_Exterior	880,747.00	43,746.00
tblArchitecturalCoating	ConstArea_Nonresidential_Exterior	880,747.00	60,727.00
tblArchitecturalCoating	ConstArea_Nonresidential_Exterior	880,747.00	51,832.00
tblArchitecturalCoating	ConstArea_Nonresidential_Interior	2,642,241.00	243,073.00
tblArchitecturalCoating	ConstArea_Nonresidential_Interior	2,642,241.00	43,746.00
tblArchitecturalCoating	ConstArea_Nonresidential_Interior	2,642,241.00	60,727.00
tblArchitecturalCoating	ConstArea_Nonresidential_Interior	2,642,241.00	51,832.00
tblAreaCoating	ReapplicationRatePercent	10	0
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	4.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	5.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	4.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	2.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	61.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	6.00

tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	5.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	14.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	17.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	15.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	4.00
tblConstEquipMitigation	Tier	No Change	Tier 3
tblConstEquipMitigation	Tier	No Change	Tier 3
tblConstEquipMitigation	Tier	No Change	Tier 2
tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstEquipMitigation	Tier	No Change	Tier 1
tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstEquipMitigation	Tier	No Change	Tier 3
tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstEquipMitigation	Tier	No Change	Tier 3
tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstEquipMitigation	Tier	No Change	Tier 3
tblConstEquipMitigation	Tier	No Change	Tier 3
tblConstructionPhase	NumDays	110.00	18.00
tblConstructionPhase	NumDays	110.00	39.00
tblConstructionPhase	NumDays	110.00	18.00
tblConstructionPhase	NumDays	110.00	20.00
tblConstructionPhase	NumDays	1,550.00	47.00
tblConstructionPhase	NumDays	1,550.00	50.00
tblConstructionPhase	NumDays	1,550.00	47.00
tblConstructionPhase	NumDays	1,550.00	22.00
tblConstructionPhase	NumDays	1,550.00	20.00
tblConstructionPhase	NumDays	1,550.00	23.00
tblConstructionPhase	NumDays	1,550.00	48.00

tblConstructionPhase	NumDays	1,550.00	30.00
tblConstructionPhase	NumDays	1,550.00	22.00
tblConstructionPhase	NumDays	1,550.00	23.00
tblConstructionPhase	NumDays	1,550.00	29.00
tblConstructionPhase	NumDays	1,550.00	24.00
tblConstructionPhase	NumDays	1,550.00	31.00
tblConstructionPhase	NumDays	1,550.00	65.00
tblConstructionPhase	NumDays	1,550.00	82.00
tblConstructionPhase	NumDays	1,550.00	50.00
tblConstructionPhase	NumDays	155.00	45.00
tblConstructionPhase	NumDays	155.00	14.00
tblConstructionPhase	NumDays	155.00	12.00
tblConstructionPhase	NumDays	155.00	18.00
tblConstructionPhase	NumDays	110.00	28.00
tblConstructionPhase	NumDays	110.00	28.00
tblConstructionPhase	NumDays	110.00	89.00
tblConstructionPhase	NumDays	110.00	36.00
tblConstructionPhase	PhaseEndDate	1/10/2017	12/7/2016
tblConstructionPhase	PhaseEndDate	3/6/2017	1/30/2017
tblConstructionPhase	PhaseEndDate	2/10/2017	1/2/2017
tblConstructionPhase	PhaseEndDate	2/24/2017	2/7/2017
tblConstructionPhase	PhaseEndDate	11/18/2016	10/25/2016
tblConstructionPhase	PhaseEndDate	1/4/2017	11/23/2016
tblConstructionPhase	PhaseEndDate	1/27/2017	12/5/2016
tblConstructionPhase	PhaseEndDate	1/4/2017	10/31/2016
tblConstructionPhase	PhaseEndDate	11/28/2016	11/22/2016
tblConstructionPhase	PhaseEndDate	12/23/2016	11/29/2016
tblConstructionPhase	PhaseEndDate	2/3/2017	1/5/2017

tblConstructionPhase	PhaseEndDate	1/18/2017	12/29/2016
tblConstructionPhase	PhaseEndDate	1/30/2017	12/22/2016
tblConstructionPhase	PhaseEndDate	1/24/2017	12/26/2016
tblConstructionPhase	PhaseEndDate	3/10/2017	1/17/2017
tblConstructionPhase	PhaseEndDate	5/30/2017	1/27/2017
tblConstructionPhase	PhaseEndDate	4/14/2017	2/28/2017
tblConstructionPhase	PhaseEndDate	5/30/2017	4/20/2017
tblConstructionPhase	PhaseEndDate	3/9/2017	10/24/2016
tblConstructionPhase	PhaseEndDate	11/9/2016	9/29/2016
tblConstructionPhase	PhaseEndDate	10/17/2016	8/19/2016
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tblConstructionPhase	PhaseEndDate	2/2/2017	1/10/2017
tblConstructionPhase	PhaseEndDate	5/5/2017	4/26/2017
tblConstructionPhase	PhaseEndDate	3/29/2017	3/2/2017
tblConstructionPhase	PhaseEndDate	12/13/2016	10/26/2016
tblConstructionPhase	PhaseEndDate	12/5/2016	11/15/2016
tblConstructionPhase	PhaseEndDate	12/9/2016	8/31/2016
tblConstructionPhase	PhaseEndDate	10/5/2016	9/28/2016
tblConstructionPhase	PhaseStartDate	12/16/2016	11/14/2016
tblConstructionPhase	PhaseStartDate	1/11/2017	12/7/2016
tblConstructionPhase	PhaseStartDate	1/18/2017	12/8/2016
tblConstructionPhase	PhaseStartDate	1/28/2017	1/11/2017
tblConstructionPhase	PhaseStartDate	9/15/2016	8/22/2016
tblConstructionPhase	PhaseStartDate	10/27/2016	9/15/2016
tblConstructionPhase	PhaseStartDate	11/24/2016	9/30/2016
tblConstructionPhase	PhaseStartDate	12/6/2016	9/30/2016
tblConstructionPhase	PhaseStartDate	11/1/2016	10/26/2016

tblConstructionPhase	PhaseStartDate	11/23/2016	10/28/2016
tblConstructionPhase	PhaseStartDate	11/30/2016	11/1/2016
tblConstructionPhase	PhaseStartDate	12/8/2016	11/18/2016
tblConstructionPhase	PhaseStartDate	12/30/2016	11/23/2016
tblConstructionPhase	PhaseStartDate	12/23/2016	11/24/2016
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tblConstructionPhase	PhaseStartDate	4/27/2017	12/27/2016
tblConstructionPhase	PhaseStartDate	3/3/2017	1/17/2017
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tblConstructionPhase	PhaseStartDate	9/29/2016	8/22/2016
tblConstructionPhase	PhaseStartDate	1/6/2017	11/8/2016
tblConstructionPhase	PhaseStartDate	12/27/2016	12/2/2016
tblConstructionPhase	PhaseStartDate	1/3/2017	12/23/2016
tblConstructionPhase	PhaseStartDate	2/8/2017	1/12/2017
tblConstructionPhase	PhaseStartDate	10/26/2016	9/8/2016
tblConstructionPhase	PhaseStartDate	7/21/2016	7/1/2016
tblConstructionPhase	PhaseStartDate	10/25/2016	7/15/2016
tblConstructionPhase	PhaseStartDate	8/20/2016	8/15/2016
tblEnergyUse	LightingElect	3.36	0.00
tblEnergyUse	LightingElect	0.88	0.00
tblEnergyUse	LightingElect	1.75	0.00
tblEnergyUse	NT24E	5.02	0.00
tblEnergyUse	NT24E	0.82	0.00
tblEnergyUse	NT24NG	17.13	0.00
tblEnergyUse	NT24NG	0.03	0.00

tblEnergyUse	T24E	2.69	0.00
tblEnergyUse	T24E	0.45	0.00
tblEnergyUse	T24NG	16.16	0.00
tblEnergyUse	T24NG	2.11	0.00
tblLandscapeEquipment	NumberSummerDays	250	1
tblLandUse	LandUseSquareFeet	385,750.00	385,748.00
tblLandUse	LotAcreage	8.86	16.70
tblLandUse	LotAcreage	31.03	50.14
tblOffRoadEquipment	HorsePower	226.00	215.00
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tblOffRoadEquipment	HorsePower	174.00	302.00
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tblOffRoadEquipment	HorsePower	361.00	452.00
tblOffRoadEquipment	HorsePower	361.00	452.00
tblOffRoadEquipment	HorsePower	361.00	452.00
tblOffRoadEquipment	HorsePower	361.00	452.00

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tblOffRoadEquipment	HorsePower	122.00	485.00
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[illegible]

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[illegible]

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[illegible]

[illegible]

tblTripsAndVMT	WorkerTripNumber	1,065.00	125.00
tblTripsAndVMT	WorkerTripNumber	1,065.00	40.00
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tblVehicleEF	HHD	0.04	0.00
tblVehicleEF	HHD	0.04	0.00
tblVehicleEF	LDA	0.46	0.00
tblVehicleEF	LDA	0.46	0.00
tblVehicleEF	LDA	0.46	0.00
tblVehicleEF	LDT1	0.07	0.00
tblVehicleEF	LDT1	0.07	0.00
tblVehicleEF	LDT1	0.07	0.00
tblVehicleEF	LDT2	0.18	0.00
tblVehicleEF	LDT2	0.18	0.00
tblVehicleEF	LDT2	0.18	0.00
tblVehicleEF	LHD1	0.05	0.00
tblVehicleEF	LHD1	0.05	0.00
tblVehicleEF	LHD1	0.05	0.00
tblVehicleEF	LHD2	7.3830e-003	0.00
tblVehicleEF	LHD2	7.3830e-003	0.00
tblVehicleEF	LHD2	7.3830e-003	0.00
tblVehicleEF	MCY	6.4540e-003	0.00
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tblVehicleEF	MDV	0.17	0.00
tblVehicleEF	MDV	0.17	0.00
tblVehicleEF	MDV	0.17	0.00
tblVehicleEF	MH	3.2420e-003	0.00
tblVehicleEF	MH	3.2420e-003	0.00

tblVehicleEF	MH	3.2420e-003	0.00
tblVehicleEF	MHD	0.01	0.00
tblVehicleEF	MHD	0.01	0.00
tblVehicleEF	MHD	0.01	0.00
tblVehicleEF	OBUS	9.5400e-004	0.00
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tblVehicleEF	OBUS	9.5400e-004	0.00
tblVehicleEF	SBUS	8.8400e-004	0.00
tblVehicleEF	SBUS	8.8400e-004	0.00
tblVehicleEF	SBUS	8.8400e-004	0.00
tblVehicleEF	UBUS	1.0560e-003	0.00
tblVehicleEF	UBUS	1.0560e-003	0.00
tblVehicleEF	UBUS	1.0560e-003	0.00
tblVehicleTrips	ST_TR	1.32	0.00
tblVehicleTrips	ST_TR	2.59	0.00
tblVehicleTrips	SU_TR	0.68	0.00
tblVehicleTrips	SU_TR	2.59	0.00
tblVehicleTrips	WD_TR	6.97	0.00
tblVehicleTrips	WD_TR	2.59	0.00
tblWater	IndoorWaterUseRate	89,204,687.50	0.00
tblWater	IndoorWaterUseRate	312,596,812.50	0.00

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					
2016	247.3022	575.0550	415.6460	0.9674	23.2902	20.8912	38.2923	6.5022	19.2190	23.1610	0.0000	97,603.12 42	97,603.12 42	15.6793	0.0000	97,932.39 01
2017	241.2676	284.6262	241.9155	0.5946	16.3290	9.2220	25.5510	4.4853	8.4838	12.9691	0.0000	57,855.05 51	57,855.05 51	7.3266	0.0000	58,008.91 41
Total	488.5698	859.6812	657.5615	1.5620	39.6191	30.1132	63.8432	10.9875	27.7028	36.1301	0.0000	155,458.1 793	155,458.1 793	23.0060	0.0000	155,941.3 043

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					
2016	235.4059	290.5056	423.3582	0.9674	23.2902	8.0288	30.3608	6.5022	7.6298	13.0826	0.0000	97,603.1241	97,603.1241	15.6793	0.0000	97,932.3901
2017	231.4579	146.2168	247.8175	0.5946	16.3290	3.8278	20.1568	4.4853	3.6119	8.0972	0.0000	57,855.0551	57,855.0551	7.3266	0.0000	58,008.9141
Total	466.8638	436.7223	671.1758	1.5620	39.6191	11.8566	50.5175	10.9875	11.2416	21.1798	0.0000	155,458.1792	155,458.1792	23.0060	0.0000	155,941.3042

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N2O	CO2e
Percent Reduction	4.44	49.20	-2.07	0.00	0.00	60.63	20.87	0.00	59.42	41.38	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	50.2645	3.6800e-003	0.3886	3.0000e-005		1.4000e-003	1.4000e-003		1.4000e-003	1.4000e-003		0.8175	0.8175	2.2800e-003		0.8653
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	0.0000	0.0000	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	50.2645	3.6800e-003	0.3886	3.0000e-005	0.0000	1.4000e-003	1.4000e-003	0.0000	1.4000e-003	1.4000e-003		0.8175	0.8175	2.2800e-003	0.0000	0.8653

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	50.2645	3.6800e-003	0.3886	3.0000e-005		1.4000e-003	1.4000e-003		1.4000e-003	1.4000e-003		0.8175	0.8175	2.2800e-003		0.8653
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	0.0000	0.0000	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	50.2645	3.6800e-003	0.3886	3.0000e-005	0.0000	1.4000e-003	1.4000e-003	0.0000	1.4000e-003	1.4000e-003		0.8175	0.8175	2.2800e-003	0.0000	0.8653

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N2O	CO2e
Percent Reduction	0.00	0.00	0.00	0.00	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	Grading 1	Grading	4/29/2016	6/30/2016	5	45	
2	Grading 2	Grading	7/1/2016	7/20/2016	5	14	
3	Trenching 1	Trenching	7/1/2016	11/15/2016	5	98	
4	Concrete Shell 1	Building Construction	7/1/2016	10/24/2016	5	82	
5	Trenching 2	Trenching	7/15/2016	8/31/2016	5	34	
6	Concrete Shell 2	Building Construction	7/22/2016	9/29/2016	5	50	
7	Grading 3	Grading	8/4/2016	8/19/2016	5	12	
8	Trenching 3	Trenching	8/15/2016	9/28/2016	5	33	
9	Grading 4	Grading	8/22/2016	9/14/2016	5	18	
10	Concrete Shell 3	Building Construction	8/22/2016	10/25/2016	5	47	
11	Trenching 4	Trenching	9/8/2016	10/26/2016	5	35	
12	Concrete Shell 4	Building Construction	9/15/2016	11/23/2016	5	50	
13	Steel & Roof 1	Building Construction	9/30/2016	12/5/2016	5	47	
14	Steel & Roof 2	Building Construction	9/30/2016	10/31/2016	5	22	
15	Steel & Roof 3	Building Construction	10/26/2016	11/22/2016	5	20	
16	Roofing & Overhead Work 2	Building Construction	10/28/2016	11/29/2016	5	23	
17	Roofing & Overhead Work 1	Building Construction	11/1/2016	1/5/2017	5	48	
18	Paving 2	Paving	11/8/2016	12/15/2016	5	28	
19	Architectural Coating 2	Architectural Coating	11/14/2016	12/7/2016	5	18	

20	Misc. Finishes 2	Building Construction	11/18/2016	12/29/2016	5	30
21	Roofing & Overhead Work 3	Building Construction	11/23/2016	12/22/2016	5	22
22	Steel & Roof 4	Building Construction	11/24/2016	12/26/2016	5	23
23	Paving 3	Paving	12/2/2016	1/10/2017	5	28
24	Architectural Coating 1	Architectural Coating	12/7/2016	1/30/2017	5	39
25	Misc. Finishes 3	Building Construction	12/8/2016	1/17/2017	5	29
26	Architectural Coating 3	Architectural Coating	12/8/2016	1/2/2017	5	18
27	Paving 1	Paving	12/23/2016	4/26/2017	5	89
28	Roofing & Overhead Work 4	Building Construction	12/27/2016	1/27/2017	5	24
29	Architectural Coating 4	Architectural Coating	1/11/2017	2/7/2017	5	20
30	Paving 4	Paving	1/12/2017	3/2/2017	5	36
31	Misc. Finishes 4	Building Construction	1/17/2017	2/28/2017	5	31
32	Misc. Finishes 1	Building Construction	1/20/2017	4/20/2017	5	65

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: 51,832; Non-Residential Outdoor: 51,832 (Architectural Coating – sqft)

OffRoad Equipment

Phase Name	Offroad Equipment Type	Amount	Usage Hours	Horse Power	Load Factor
Grading 1	Crawler Tractors	1	8.00	410	0.43
Grading 1	Excavators	0	8.00	162	0.38
Grading 1	Graders	1	8.00	302	0.41
Grading 1	Off-Highway Tractors	2	8.00	485	0.44
Grading 1	Other Construction Equipment	2	8.00	354	0.44
Grading 1	Other General Industrial Equipment	3	8.00	330	0.37

Grading 1	Rubber Tired Dozers	1	8.00	451	0.40
Grading 1	Rubber Tired Loaders	1	8.00	350	0.36
Grading 1	Scrapers	8	8.00	452	0.48
Grading 1	Tractors/Loaders/Backhoes	0	8.00	97	0.37
Grading 2	Cranes	0	7.00	226	0.29
Grading 2	Crawler Tractors	1	8.00	410	0.43
Grading 2	Excavators	0	8.00	162	0.38
Grading 2	Forklifts	0	8.00	89	0.20
Grading 2	Generator Sets	0	8.00	84	0.74
Grading 2	Graders	1	8.00	302	0.41
Grading 2	Other Construction Equipment	1	8.00	354	0.42
Grading 2	Other General Industrial Equipment	1	8.00	330	0.37
Grading 2	Pavers	0	8.00	125	0.42
Grading 2	Paving Equipment	0	8.00	49	0.36
Grading 2	Rollers	0	8.00	80	0.38
Grading 2	Rubber Tired Dozers	0	8.00	255	0.40
Grading 2	Rubber Tired Loaders	1	8.00	350	0.36
Grading 2	Scrapers	3	8.00	452	0.48
Grading 2	Tractors/Loaders/Backhoes	0	8.00	110	0.37
Grading 2	Welders	0	8.00	46	0.45
Trenching 1	Excavators	2	8.00	268	0.38
Trenching 1	Other Construction Equipment	2	8.00	354	0.42
Trenching 1	Other Material Handling Equipment	2	8.00	249	0.40
Trenching 1	Rubber Tired Loaders	2	8.00	350	0.36
Trenching 1	Tractors/Loaders/Backhoes	2	8.00	110	0.37
Concrete Shell 1	Cranes	0	7.00	226	0.29
Concrete Shell 1	Excavators	0	8.00	268	0.38
Concrete Shell 1	Forklifts	0	8.00	89	0.20

Concrete Shell 1	Generator Sets	0	8.00	84	0.74
Concrete Shell 1	Other Construction Equipment	5	8.00	354	0.42
Concrete Shell 1	Other Material Handling Equipment	0	8.00	249	0.43
Concrete Shell 1	Pavers	0	8.00	125	0.42
Concrete Shell 1	Paving Equipment	0	8.00	49	0.36
Concrete Shell 1	Rollers	0	8.00	80	0.38
Concrete Shell 1	Rubber Tired Loaders	0	8.00	350	0.36
Concrete Shell 1	Surfacing Equipment	0	8.00	350	0.30
Concrete Shell 1	Tractors/Loaders/Backhoes	4	8.00	110	0.37
Concrete Shell 1	Welders	0	8.00	46	0.45
Trenching 2	Excavators	1	8.00	268	0.38
Trenching 2	Other Construction Equipment	1	8.00	354	0.42
Trenching 2	Other Material Handling Equipment	1	8.00	249	0.43
Trenching 2	Rubber Tired Loaders	1	8.00	350	0.36
Trenching 2	Tractors/Loaders/Backhoes	1	8.00	110	0.37
Concrete Shell 2	Air Compressors	0	6.00	78	0.48
Concrete Shell 2	Cranes	0	7.00	226	0.29
Concrete Shell 2	Forklifts	0	8.00	89	0.20
Concrete Shell 2	Generator Sets	0	8.00	84	0.74
Concrete Shell 2	Other Construction Equipment	4	8.00	354	0.42
Concrete Shell 2	Tractors/Loaders/Backhoes	2	8.00	110	0.37
Concrete Shell 2	Welders	0	8.00	46	0.45
Grading 3	Air Compressors	0	6.00	78	0.48
Grading 3	Cranes	0	8.00	215	0.29
Grading 3	Crawler Tractors	1	8.00	410	0.43
Grading 3	Excavators	0	8.00	162	0.38
Grading 3	Forklifts	0	8.00	89	0.20
Grading 3	Generator Sets	0	8.00	84	0.74

Grading 3	Graders	1	8.00	302	0.41
Grading 3	Off-Highway Tractors	0	8.00	485	0.44
Grading 3	Other Construction Equipment	1	8.00	354	0.42
Grading 3	Other General Industrial Equipment	1	8.00	330	0.34
Grading 3	Rubber Tired Dozers	0	8.00	255	0.40
Grading 3	Rubber Tired Loaders	1	8.00	350	0.36
Grading 3	Scrapers	3	8.00	452	0.48
Grading 3	Surfacing Equipment	0	8.00	350	0.30
Grading 3	Tractors/Loaders/Backhoes	0	8.00	97	0.37
Grading 3	Welders	0	8.00	46	0.45
Trenching 3	Excavators	1	8.00	268	0.38
Trenching 3	Other Construction Equipment	1	8.00	354	0.42
Trenching 3	Other Material Handling Equipment	1	8.00	249	0.43
Trenching 3	Rubber Tired Loaders	1	8.00	350	0.36
Trenching 3	Tractors/Loaders/Backhoes	1	8.00	110	0.37
Grading 4	Aerial Lifts	0	8.00	48	0.31
Grading 4	Cranes	0	8.00	215	0.29
Grading 4	Crawler Tractors	1	8.00	410	0.43
Grading 4	Excavators	0	8.00	162	0.38
Grading 4	Forklifts	0	8.00	110	0.20
Grading 4	Generator Sets	0	8.00	84	0.74
Grading 4	Graders	1	8.00	302	0.41
Grading 4	Other Construction Equipment	1	8.00	354	0.42
Grading 4	Other General Industrial Equipment	1	8.00	330	0.34
Grading 4	Rubber Tired Dozers	0	8.00	255	0.40
Grading 4	Rubber Tired Loaders	1	8.00	350	0.36
Grading 4	Scrapers	3	8.00	452	0.48
Grading 4	Tractors/Loaders/Backhoes	0	8.00	110	0.37

Grading 4	Welders	0	8.00	46	0.45
Concrete Shell 3	Cranes	0	7.00	226	0.29
Concrete Shell 3	Forklifts	0	8.00	89	0.20
Concrete Shell 3	Generator Sets	0	8.00	84	0.74
Concrete Shell 3	Other Construction Equipment	4	8.00	354	0.42
Concrete Shell 3	Tractors/Loaders/Backhoes	2	8.00	110	0.37
Concrete Shell 3	Welders	0	8.00	46	0.45
Trenching 4	Excavators	1	8.00	268	0.38
Trenching 4	Other Construction Equipment	1	8.00	354	0.42
Trenching 4	Other Material Handling Equipment	1	8.00	249	0.40
Trenching 4	Rubber Tired Loaders	1	8.00	350	0.36
Trenching 4	Tractors/Loaders/Backhoes	1	8.00	110	0.37
Concrete Shell 4	Air Compressors	0	6.00	78	0.48
Concrete Shell 4	Cranes	0	7.00	226	0.29
Concrete Shell 4	Excavators	0	8.00	268	0.38
Concrete Shell 4	Forklifts	0	8.00	89	0.20
Concrete Shell 4	Generator Sets	0	8.00	84	0.74
Concrete Shell 4	Other Construction Equipment	4	8.00	354	0.42
Concrete Shell 4	Other Material Handling Equipment	0	8.00	249	0.40
Concrete Shell 4	Rubber Tired Loaders	0	8.00	350	0.36
Concrete Shell 4	Tractors/Loaders/Backhoes	2	8.00	110	0.37
Concrete Shell 4	Welders	0	8.00	46	0.45
Steel & Roof 1	Aerial Lifts	0	8.00	48	0.31
Steel & Roof 1	Air Compressors	0	6.00	78	0.48
Steel & Roof 1	Cranes	2	8.00	215	0.29
Steel & Roof 1	Forklifts	0	8.00	89	0.20
Steel & Roof 1	Forklifts	0	8.00	89	0.20
Steel & Roof 1	Generator Sets	0	8.00	84	0.74

Steel & Roof 1	Other Construction Equipment	3	8.00	354	0.42
Steel & Roof 1	Pavers	0	8.00	125	0.42
Steel & Roof 1	Paving Equipment	0	8.00	130	0.36
Steel & Roof 1	Rollers	0	8.00	80	0.38
Steel & Roof 1	Rubber Tired Loaders	0	8.00	350	0.36
Steel & Roof 1	Tractors/Loaders/Backhoes	0	7.00	97	0.37
Steel & Roof 1	Trenchers	0	8.00	81	0.50
Steel & Roof 1	Welders	0	8.00	46	0.45
Steel & Roof 2	Aerial Lifts	0	8.00	48	0.31
Steel & Roof 2	Air Compressors	0	6.00	78	0.48
Steel & Roof 2	Cranes	1	8.00	215	0.29
Steel & Roof 2	Crawler Tractors	0	8.00	410	0.43
Steel & Roof 2	Excavators	0	8.00	162	0.38
Steel & Roof 2	Forklifts	0	8.00	89	0.20
Steel & Roof 2	Forklifts	0	8.00	89	0.20
Steel & Roof 2	Generator Sets	0	8.00	84	0.74
Steel & Roof 2	Graders	0	8.00	302	0.41
Steel & Roof 2	Off-Highway Tractors	0	8.00	485	0.44
Steel & Roof 2	Other Construction Equipment	2	8.00	354	0.42
Steel & Roof 2	Rubber Tired Dozers	0	8.00	255	0.40
Steel & Roof 2	Scrapers	0	8.00	452	0.48
Steel & Roof 2	Surfacing Equipment	0	8.00	350	0.30
Steel & Roof 2	Tractors/Loaders/Backhoes	0	7.00	97	0.37
Steel & Roof 2	Welders	0	8.00	46	0.45
Steel & Roof 3	Aerial Lifts	0	8.00	48	0.31
Steel & Roof 3	Cranes	1	8.00	215	0.29
Steel & Roof 3	Forklifts	0	8.00	110	0.20
Steel & Roof 3	Generator Sets	0	8.00	84	0.74

Steel & Roof 3	Other Construction Equipment	2	8.00	354	0.42
Steel & Roof 3	Tractors/Loaders/Backhoes	0	8.00	110	0.37
Steel & Roof 3	Welders	0	8.00	46	0.45
Roofing & Overhead Work 2	Aerial Lifts	1	8.00	48	0.31
Roofing & Overhead Work 2	Air Compressors	0	6.00	78	0.48
Roofing & Overhead Work 2	Cranes	0	8.00	215	0.29
Roofing & Overhead Work 2	Crawler Tractors	0	8.00	249	0.43
Roofing & Overhead Work 2	Excavators	0	8.00	268	0.38
Roofing & Overhead Work 2	Forklifts	1	8.00	110	0.20
Roofing & Overhead Work 2	Generator Sets	0	8.00	84	0.74
Roofing & Overhead Work 2	Graders	0	8.00	302	0.41
Roofing & Overhead Work 2	Graders	0	8.00	302	0.41
Roofing & Overhead Work 2	Off-Highway Tractors	0	8.00	451	0.44
Roofing & Overhead Work 2	Other Construction Equipment	2	8.00	354	0.42
Roofing & Overhead Work 2	Other General Industrial Equipment	0	8.00	330	0.34
Roofing & Overhead Work 2	Pavers	0	8.00	125	0.42
Roofing & Overhead Work 2	Paving Equipment	0	8.00	130	0.36
Roofing & Overhead Work 2	Rollers	0	8.00	80	0.38
Roofing & Overhead Work 2	Rubber Tired Dozers	0	8.00	255	0.40
Roofing & Overhead Work 2	Rubber Tired Loaders	0	8.00	350	0.36
Roofing & Overhead Work 2	Scrapers	0	8.00	330	0.48
Roofing & Overhead Work 2	Tractors/Loaders/Backhoes	0	8.00	110	0.37
Roofing & Overhead Work 2	Welders	0	8.00	46	0.45
Roofing & Overhead Work 1	Aerial Lifts	3	8.00	48	0.31
Roofing & Overhead Work 1	Air Compressors	0	6.00	78	0.48
Roofing & Overhead Work 1	Cranes	0	8.00	215	0.29
Roofing & Overhead Work 1	Excavators	0	8.00	268	0.38
Roofing & Overhead Work 1	Forklifts	2	8.00	110	0.20

Roofing & Overhead Work 1	Generator Sets	0	8.00	84	0.74
Roofing & Overhead Work 1	Other Construction Equipment	3	8.00	354	0.42
Roofing & Overhead Work 1	Other Material Handling Equipment	0	8.00	249	0.43
Roofing & Overhead Work 1	Rubber Tired Loaders	0	8.00	350	0.36
Roofing & Overhead Work 1	Tractors/Loaders/Backhoes	0	8.00	110	0.37
Roofing & Overhead Work 1	Welders	0	8.00	46	0.45
Paving 2	Aerial Lifts	0	8.00	48	0.31
Paving 2	Cranes	0	7.00	226	0.29
Paving 2	Crawler Tractors	0	8.00	249	0.43
Paving 2	Excavators	0	8.00	268	0.38
Paving 2	Forklifts	0	8.00	110	0.20
Paving 2	Generator Sets	0	8.00	84	0.74
Paving 2	Graders	0	8.00	174	0.41
Paving 2	Other Construction Equipment	1	8.00	354	0.42
Paving 2	Pavers	0	8.00	125	0.42
Paving 2	Paving Equipment	0	8.00	130	0.36
Paving 2	Rollers	0	8.00	80	0.38
Paving 2	Rubber Tired Dozers	0	8.00	255	0.40
Paving 2	Rubber Tired Loaders	1	8.00	350	0.36
Paving 2	Scrapers	0	8.00	361	0.48
Paving 2	Surfacing Equipment	0	8.00	350	0.30
Paving 2	Tractors/Loaders/Backhoes	0	8.00	110	0.37
Paving 2	Trenchers	1	8.00	81	0.50
Paving 2	Welders	0	8.00	46	0.45
Architectural Coating 2	Air Compressors	0	6.00	78	0.48
Architectural Coating 2	Other Construction Equipment	1	8.00	354	0.42
Misc. Finishes 2	Aerial Lifts	1	8.00	48	0.31
Misc. Finishes 2	Cranes	0	7.00	226	0.29

Misc. Finishes 2	Forklifts	0	8.00	89	0.20
Misc. Finishes 2	Generator Sets	0	8.00	84	0.74
Misc. Finishes 2	Other Construction Equipment	1	8.00	354	0.42
Misc. Finishes 2	Tractors/Loaders/Backhoes	0	7.00	97	0.37
Misc. Finishes 2	Welders	0	8.00	46	0.45
Roofing & Overhead Work 3	Aerial Lifts	1	8.00	48	0.31
Roofing & Overhead Work 3	Air Compressors	0	6.00	78	0.48
Roofing & Overhead Work 3	Cranes	0	7.00	226	0.29
Roofing & Overhead Work 3	Crawler Tractors	0	8.00	249	0.43
Roofing & Overhead Work 3	Excavators	0	8.00	268	0.38
Roofing & Overhead Work 3	Forklifts	1	8.00	110	0.20
Roofing & Overhead Work 3	Generator Sets	0	8.00	84	0.74
Roofing & Overhead Work 3	Other Construction Equipment	2	8.00	354	0.42
Roofing & Overhead Work 3	Rubber Tired Dozers	0	8.00	255	0.40
Roofing & Overhead Work 3	Surfacing Equipment	0	8.00	350	0.30
Roofing & Overhead Work 3	Tractors/Loaders/Backhoes	0	8.00	110	0.37
Roofing & Overhead Work 3	Welders	0	8.00	46	0.45
Steel & Roof 4	Cranes	1	8.00	215	0.29
Steel & Roof 4	Forklifts	0	8.00	89	0.20
Steel & Roof 4	Generator Sets	0	8.00	84	0.74
Steel & Roof 4	Other Construction Equipment	2	8.00	354	0.42
Steel & Roof 4	Tractors/Loaders/Backhoes	0	7.00	97	0.37
Steel & Roof 4	Welders	0	8.00	46	0.45
Paving 3	Other Construction Equipment	1	8.00	354	0.42
Paving 3	Pavers	0	8.00	125	0.42
Paving 3	Paving Equipment	0	8.00	130	0.36
Paving 3	Rollers	0	8.00	80	0.38
Paving 3	Rubber Tired Loaders	1	8.00	350	0.36

Paving 3	Trenchers	1	8.00	81	0.50
Architectural Coating 1	Air Compressors	0	6.00	78	0.48
Architectural Coating 1	Other Construction Equipment	4	8.00	354	0.42
Misc. Finishes 3	Aerial Lifts	1	8.00	48	0.31
Misc. Finishes 3	Cranes	0	7.00	226	0.29
Misc. Finishes 3	Forklifts	0	8.00	89	0.20
Misc. Finishes 3	Generator Sets	0	8.00	84	0.74
Misc. Finishes 3	Other Construction Equipment	1	8.00	354	0.42
Misc. Finishes 3	Tractors/Loaders/Backhoes	0	7.00	97	0.37
Misc. Finishes 3	Welders	0	8.00	46	0.45
Architectural Coating 3	Air Compressors	0	6.00	78	0.48
Architectural Coating 3	Other Construction Equipment	1	8.00	354	0.42
Paving 1	Other Construction Equipment	1	8.00	354	0.42
Paving 1	Pavers	0	8.00	125	0.42
Paving 1	Paving Equipment	0	8.00	130	0.36
Paving 1	Rollers	0	8.00	80	0.38
Paving 1	Rubber Tired Loaders	2	8.00	350	0.36
Paving 1	Trenchers	1	8.00	81	0.50
Roofing & Overhead Work 4	Aerial Lifts	1	8.00	48	0.31
Roofing & Overhead Work 4	Air Compressors	0	6.00	78	0.48
Roofing & Overhead Work 4	Concrete/Industrial Saws	0	8.00	81	0.73
Roofing & Overhead Work 4	Cranes	0	7.00	226	0.29
Roofing & Overhead Work 4	Crawler Tractors	0	8.00	410	0.43
Roofing & Overhead Work 4	Crawler Tractors	0	8.00	249	0.43
Roofing & Overhead Work 4	Excavators	0	8.00	162	0.38
Roofing & Overhead Work 4	Excavators	0	8.00	268	0.38
Roofing & Overhead Work 4	Forklifts	1	8.00	110	0.20
Roofing & Overhead Work 4	Generator Sets	0	8.00	84	0.74

Roofing & Overhead Work 4	Graders	0	8.00	302	0.41
Roofing & Overhead Work 4	Off-Highway Tractors	0	8.00	451	0.44
Roofing & Overhead Work 4	Off-Highway Tractors	0	8.00	485	0.44
Roofing & Overhead Work 4	Other Construction Equipment	2	8.00	354	0.42
Roofing & Overhead Work 4	Other General Industrial Equipment	0	8.00	330	0.37
Roofing & Overhead Work 4	Pavers	0	8.00	125	0.42
Roofing & Overhead Work 4	Paving Equipment	0	8.00	130	0.36
Roofing & Overhead Work 4	Rollers	0	8.00	80	0.38
Roofing & Overhead Work 4	Rubber Tired Dozers	0	8.00	451	0.40
Roofing & Overhead Work 4	Rubber Tired Loaders	0	8.00	350	0.37
Roofing & Overhead Work 4	Scrapers	0	8.00	452	0.48
Roofing & Overhead Work 4	Surfacing Equipment	0	8.00	350	0.30
Roofing & Overhead Work 4	Tractors/Loaders/Backhoes	0	8.00	97	0.37
Roofing & Overhead Work 4	Tractors/Loaders/Backhoes	0	8.00	110	0.37
Roofing & Overhead Work 4	Tractors/Loaders/Backhoes	0	7.00	97	0.37
Roofing & Overhead Work 4	Welders	0	8.00	46	0.45
Architectural Coating 4	Air Compressors	0	6.00	78	0.48
Architectural Coating 4	Other Construction Equipment	1	8.00	354	0.42
Paving 4	Other Construction Equipment	1	8.00	354	0.42
Paving 4	Pavers	0	8.00	125	0.42
Paving 4	Paving Equipment	0	8.00	130	0.36
Paving 4	Rollers	0	8.00	80	0.38
Paving 4	Rubber Tired Loaders	1	8.00	350	0.36
Paving 4	Trenchers	1	8.00	81	0.50
Misc. Finishes 4	Aerial Lifts	1	8.00	48	0.31
Misc. Finishes 4	Cranes	0	7.00	226	0.29
Misc. Finishes 4	Forklifts	0	8.00	89	0.20
Misc. Finishes 4	Generator Sets	0	8.00	84	0.74

Misc. Finishes 4	Other Construction Equipment	1	8.00	354	0.42
Misc. Finishes 4	Tractors/Loaders/Backhoes	0	7.00	97	0.37
Misc. Finishes 4	Welders	0	8.00	46	0.45
Misc. Finishes 1	Aerial Lifts	2	8.00	48	0.31
Misc. Finishes 1	Cranes	0	7.00	226	0.29
Misc. Finishes 1	Forklifts	0	8.00	89	0.20
Misc. Finishes 1	Generator Sets	0	8.00	84	0.74
Misc. Finishes 1	Other Construction Equipment	2	8.00	354	0.42
Misc. Finishes 1	Tractors/Loaders/Backhoes	0	7.00	97	0.37
Misc. Finishes 1	Welders	0	8.00	46	0.45

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
Grading 1	19	48.00	0.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Grading 2	8	20.00	0.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Trenching 1	10	25.00	0.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Concrete Shell 1	9	125.00	416.00	5,192.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Trenching 2	5	13.00	0.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Concrete Shell 2	6	40.00	416.00	687.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Grading 3	8	20.00	0.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Trenching 3	5	13.00	0.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Grading 4	8	20.00	0.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Concrete Shell 3	6	40.00	416.00	539.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Trenching 4	5	13.00	0.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Concrete Shell 4	6	40.00	416.00	879.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Steel & Roof 1	5	125.00	416.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Steel & Roof 2	3	40.00	416.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT

Steel & Roof 3	3	40.00	416.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Roofing & Overhead Work 2	4	40.00	416.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Roofing & Overhead Work 1	8	125.00	416.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Paving 2	3	8.00	0.00	364.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Architectural Coating 2	1	213.00	0.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Misc. Finishes 2	2	40.00	416.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Roofing & Overhead Work 3	4	40.00	416.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Steel & Roof 4	3	40.00	416.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Paving 3	3	8.00	0.00	389.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Architectural Coating 1	4	213.00	0.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Misc. Finishes 3	2	40.00	416.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Architectural Coating 3	1	213.00	0.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Paving 1	4	10.00	0.00	2,076.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Roofing & Overhead Work 4	4	40.00	416.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Architectural Coating 4	1	213.00	0.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Paving 4	3	8.00	0.00	419.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Misc. Finishes 4	2	40.00	416.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Misc. Finishes 1	4	125.00	416.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT

3.1 Mitigation Measures Construction

Use Cleaner Engines for Construction Equipment

Clean Paved Roads

3.2 Grading 1 - 2016**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					15.5666	0.0000	15.5666	4.3408	0.0000	4.3408			0.0000			0.0000
Off-Road	22.7740	284.8071	173.9787	0.2600		11.4365	11.4365		10.5216	10.5216		27,015.1809	27,015.1809	8.1487		27,186.3044
Total	22.7740	284.8071	173.9787	0.2600	15.5666	11.4365	27.0031	4.3408	10.5216	14.8624		27,015.1809	27,015.1809	8.1487		27,186.3044

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	0.1839	0.2172	2.7221	6.4400e-003	0.5365	3.3500e-003	0.5399	0.1423	3.0800e-003	0.1454		532.5992	532.5992	0.0230		533.0816
Total	0.1839	0.2172	2.7221	6.4400e-003	0.5365	3.3500e-003	0.5399	0.1423	3.0800e-003	0.1454		532.5992	532.5992	0.0230		533.0816

3.2 Grading 1 - 2016**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					15.5666	0.0000	15.5666	4.3408	0.0000	4.3408			0.0000			0.0000
Off-Road	5.9025	61.8452	133.4419	0.2600		2.4855	2.4855		2.3942	2.3942	0.0000	27,015.1809	27,015.1809	8.1487		27,186.3044
Total	5.9025	61.8452	133.4419	0.2600	15.5666	2.4855	18.0521	4.3408	2.3942	6.7350	0.0000	27,015.1809	27,015.1809	8.1487		27,186.3044

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	0.1839	0.2172	2.7221	6.4400e-003	0.5365	3.3500e-003	0.5399	0.1423	3.0800e-003	0.1454		532.5992	532.5992	0.0230		533.0816
Total	0.1839	0.2172	2.7221	6.4400e-003	0.5365	3.3500e-003	0.5399	0.1423	3.0800e-003	0.1454		532.5992	532.5992	0.0230		533.0816

3.3 Grading 2 - 2016**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					4.2420	0.0000	4.2420	0.4580	0.0000	0.4580			0.0000			0.0000
Off-Road	9.5729	120.5012	69.6816	0.1160		4.7379	4.7379		4.3589	4.3589		12,046.3077	12,046.3077	3.6336		12,122.6131
Total	9.5729	120.5012	69.6816	0.1160	4.2420	4.7379	8.9799	0.4580	4.3589	4.8169		12,046.3077	12,046.3077	3.6336		12,122.6131

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	0.0766	0.0905	1.1342	2.6800e-003	0.2236	1.4000e-003	0.2250	0.0593	1.2800e-003	0.0606		221.9163	221.9163	9.5700e-003		222.1173
Total	0.0766	0.0905	1.1342	2.6800e-003	0.2236	1.4000e-003	0.2250	0.0593	1.2800e-003	0.0606		221.9163	221.9163	9.5700e-003		222.1173

3.3 Grading 2 - 2016**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					4.2420	0.0000	4.2420	0.4580	0.0000	0.4580			0.0000			0.0000
Off-Road	1.8754	21.5998	55.2898	0.1160		0.7890	0.7890		0.7890	0.7890	0.0000	12,046.3077	12,046.3077	3.6336		12,122.6131
Total	1.8754	21.5998	55.2898	0.1160	4.2420	0.7890	5.0310	0.4580	0.7890	1.2470	0.0000	12,046.3077	12,046.3077	3.6336		12,122.6131

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	0.0766	0.0905	1.1342	2.6800e-003	0.2236	1.4000e-003	0.2250	0.0593	1.2800e-003	0.0606		221.9163	221.9163	9.5700e-003		222.1173
Total	0.0766	0.0905	1.1342	2.6800e-003	0.2236	1.4000e-003	0.2250	0.0593	1.2800e-003	0.0606		221.9163	221.9163	9.5700e-003		222.1173

3.4 Trenching 1 - 2016**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	6.2895	77.7646	37.2357	0.0888		3.1203	3.1203		2.8707	2.8707		9,219.1057	9,219.1057	2.7808		9,277.5027
Total	6.2895	77.7646	37.2357	0.0888		3.1203	3.1203		2.8707	2.8707		9,219.1057	9,219.1057	2.7808		9,277.5027

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	0.0958	0.1131	1.4178	3.3500e-003	0.2794	1.7500e-003	0.2812	0.0741	1.6100e-003	0.0757		277.3954	277.3954	0.0120		277.6467
Total	0.0958	0.1131	1.4178	3.3500e-003	0.2794	1.7500e-003	0.2812	0.0741	1.6100e-003	0.0757		277.3954	277.3954	0.0120		277.6467

3.4 Trenching 1 - 2016**Mitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	1.6622	24.8561	45.4748	0.0888		1.0530	1.0530		1.0530	1.0530	0.0000	9,219.1057	9,219.1057	2.7808		9,277.5027
Total	1.6622	24.8561	45.4748	0.0888		1.0530	1.0530		1.0530	1.0530	0.0000	9,219.1057	9,219.1057	2.7808		9,277.5027

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	0.0958	0.1131	1.4178	3.3500e-003	0.2794	1.7500e-003	0.2812	0.0741	1.6100e-003	0.0757		277.3954	277.3954	0.0120		277.6467
Total	0.0958	0.1131	1.4178	3.3500e-003	0.2794	1.7500e-003	0.2812	0.0741	1.6100e-003	0.0757		277.3954	277.3954	0.0120		277.6467

3.5 Concrete Shell 1 - 2016**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	5.5772	68.3870	40.9017	0.0785		3.1121	3.1121		2.8631	2.8631		8,151.1535	8,151.1535	2.4587		8,202.7857
Total	5.5772	68.3870	40.9017	0.0785		3.1121	3.1121		2.8631	2.8631		8,151.1535	8,151.1535	2.4587		8,202.7857

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	0.9482	16.7780	10.7110	0.0451	1.1045	0.3071	1.4116	0.3025	0.2825	0.5850		4,546.9774	4,546.9774	0.0287		4,547.5807
Vendor	3.2352	34.9089	36.5550	0.0875	2.6173	0.6776	3.2949	0.7476	0.6231	1.3707		8,789.2554	8,789.2554	0.0572		8,790.4563
Worker	0.4790	0.5656	7.0888	0.0168	1.3972	8.7300e-003	1.4059	0.3706	8.0300e-003	0.3786		1,386.9770	1,386.9770	0.0598		1,388.2333
Total	4.6624	52.2524	54.3548	0.1494	5.1190	0.9934	6.1124	1.4207	0.9136	2.3342		14,723.2099	14,723.2099	0.1457		14,726.2703

3.5 Concrete Shell 1 - 2016**Mitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	1.1312	11.2763	39.4687	0.0785		0.6562	0.6562		0.6562	0.6562	0.0000	8,151.1535	8,151.1535	2.4587		8,202.7857
Total	1.1312	11.2763	39.4687	0.0785		0.6562	0.6562		0.6562	0.6562	0.0000	8,151.1535	8,151.1535	2.4587		8,202.7857

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	0.9482	16.7780	10.7110	0.0451	1.1045	0.3071	1.4116	0.3025	0.2825	0.5850		4,546.9774	4,546.9774	0.0287		4,547.5807
Vendor	3.2352	34.9089	36.5550	0.0875	2.6173	0.6776	3.2949	0.7476	0.6231	1.3707		8,789.2554	8,789.2554	0.0572		8,790.4563
Worker	0.4790	0.5656	7.0888	0.0168	1.3972	8.7300e-003	1.4059	0.3706	8.0300e-003	0.3786		1,386.9770	1,386.9770	0.0598		1,388.2333
Total	4.6624	52.2524	54.3548	0.1494	5.1190	0.9934	6.1124	1.4207	0.9136	2.3342		14,723.2099	14,723.2099	0.1457		14,726.2703

3.6 Trenching 2 - 2016**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	3.1973	39.5669	18.8343	0.0450		1.5850	1.5850		1.4582	1.4582		4,676.1560	4,676.1560	1.4105		4,705.7764
Total	3.1973	39.5669	18.8343	0.0450		1.5850	1.5850		1.4582	1.4582		4,676.1560	4,676.1560	1.4105		4,705.7764

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	0.0498	0.0588	0.7372	1.7400e-003	0.1453	9.1000e-004	0.1462	0.0385	8.4000e-004	0.0394		144.2456	144.2456	6.2200e-003		144.3763
Total	0.0498	0.0588	0.7372	1.7400e-003	0.1453	9.1000e-004	0.1462	0.0385	8.4000e-004	0.0394		144.2456	144.2456	6.2200e-003		144.3763

3.6 Trenching 2 - 2016**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	0.8390	12.4623	23.0273	0.0450		0.5275	0.5275		0.5275	0.5275	0.0000	4,676.1560	4,676.1560	1.4105		4,705.7764
Total	0.8390	12.4623	23.0273	0.0450		0.5275	0.5275		0.5275	0.5275	0.0000	4,676.1560	4,676.1560	1.4105		4,705.7764

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	0.0498	0.0588	0.7372	1.7400e-003	0.1453	9.1000e-004	0.1462	0.0385	8.4000e-004	0.0394		144.2456	144.2456	6.2200e-003		144.3763
Total	0.0498	0.0588	0.7372	1.7400e-003	0.1453	9.1000e-004	0.1462	0.0385	8.4000e-004	0.0394		144.2456	144.2456	6.2200e-003		144.3763

3.7 Concrete Shell 2 - 2016**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	3.9983	50.2800	29.4382	0.0586		2.1486	2.1486		1.9767	1.9767		6,080.4547	6,080.4547	1.8341		6,118.9704
Total	3.9983	50.2800	29.4382	0.0586		2.1486	2.1486		1.9767	1.9767		6,080.4547	6,080.4547	1.8341		6,118.9704

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	0.2058	3.6409	2.3243	9.7800e-003	0.2397	0.0666	0.3063	0.0657	0.0613	0.1269		986.7081	986.7081	6.2300e-003		986.8390
Vendor	3.2352	34.9089	36.5550	0.0875	2.6173	0.6776	3.2949	0.7476	0.6231	1.3707		8,789.2554	8,789.2554	0.0572		8,790.4563
Worker	0.1533	0.1810	2.2684	5.3700e-003	0.4471	2.8000e-003	0.4499	0.1186	2.5700e-003	0.1211		443.8327	443.8327	0.0191		444.2347
Total	3.5942	38.7307	41.1478	0.1027	3.3041	0.7470	4.0511	0.9318	0.6870	1.6188		10,219.7962	10,219.7962	0.0826		10,221.5300

3.7 Concrete Shell 2 - 2016**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	0.8016	6.6608	28.3879	0.0586		0.3596	0.3596		0.3596	0.3596	0.0000	6,080.4547	6,080.4547	1.8341		6,118.9704
Total	0.8016	6.6608	28.3879	0.0586		0.3596	0.3596		0.3596	0.3596	0.0000	6,080.4547	6,080.4547	1.8341		6,118.9704

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	0.2058	3.6409	2.3243	9.7800e-003	0.2397	0.0666	0.3063	0.0657	0.0613	0.1269		986.7081	986.7081	6.2300e-003		986.8390
Vendor	3.2352	34.9089	36.5550	0.0875	2.6173	0.6776	3.2949	0.7476	0.6231	1.3707		8,789.2554	8,789.2554	0.0572		8,790.4563
Worker	0.1533	0.1810	2.2684	5.3700e-003	0.4471	2.8000e-003	0.4499	0.1186	2.5700e-003	0.1211		443.8327	443.8327	0.0191		444.2347
Total	3.5942	38.7307	41.1478	0.1027	3.3041	0.7470	4.0511	0.9318	0.6870	1.6188		10,219.7962	10,219.7962	0.0826		10,221.5300

3.8 Grading 3 - 2016**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					4.2420	0.0000	4.2420	0.4580	0.0000	0.4580			0.0000			0.0000
Off-Road	9.5131	119.7766	69.2684	0.1151		4.7102	4.7102		4.3334	4.3334		11,957.7675	11,957.7675	3.6069		12,033.5122
Total	9.5131	119.7766	69.2684	0.1151	4.2420	4.7102	8.9522	0.4580	4.3334	4.7914		11,957.7675	11,957.7675	3.6069		12,033.5122

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	0.0766	0.0905	1.1342	2.6800e-003	0.2236	1.4000e-003	0.2250	0.0593	1.2800e-003	0.0606		221.9163	221.9163	9.5700e-003		222.1173
Total	0.0766	0.0905	1.1342	2.6800e-003	0.2236	1.4000e-003	0.2250	0.0593	1.2800e-003	0.0606		221.9163	221.9163	9.5700e-003		222.1173

3.8 Grading 3 - 2016**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					4.2420	0.0000	4.2420	0.4580	0.0000	0.4580			0.0000			0.0000
Off-Road	1.8544	21.1947	54.8358	0.1151		0.7736	0.7736		0.7736	0.7736	0.0000	11,957.7675	11,957.7675	3.6069		12,033.5122
Total	1.8544	21.1947	54.8358	0.1151	4.2420	0.7736	5.0156	0.4580	0.7736	1.2317	0.0000	11,957.7675	11,957.7675	3.6069		12,033.5122

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	0.0766	0.0905	1.1342	2.6800e-003	0.2236	1.4000e-003	0.2250	0.0593	1.2800e-003	0.0606		221.9163	221.9163	9.5700e-003		222.1173
Total	0.0766	0.0905	1.1342	2.6800e-003	0.2236	1.4000e-003	0.2250	0.0593	1.2800e-003	0.0606		221.9163	221.9163	9.5700e-003		222.1173

3.9 Trenching 3 - 2016**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	3.1973	39.5669	18.8343	0.0450		1.5850	1.5850		1.4582	1.4582		4,676.1560	4,676.1560	1.4105		4,705.7764
Total	3.1973	39.5669	18.8343	0.0450		1.5850	1.5850		1.4582	1.4582		4,676.1560	4,676.1560	1.4105		4,705.7764

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	0.0498	0.0588	0.7372	1.7400e-003	0.1453	9.1000e-004	0.1462	0.0385	8.4000e-004	0.0394		144.2456	144.2456	6.2200e-003		144.3763
Total	0.0498	0.0588	0.7372	1.7400e-003	0.1453	9.1000e-004	0.1462	0.0385	8.4000e-004	0.0394		144.2456	144.2456	6.2200e-003		144.3763

3.9 Trenching 3 - 2016**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	0.8390	12.4623	23.0273	0.0450		0.5275	0.5275		0.5275	0.5275	0.0000	4,676.1560	4,676.1560	1.4105		4,705.7764
Total	0.8390	12.4623	23.0273	0.0450		0.5275	0.5275		0.5275	0.5275	0.0000	4,676.1560	4,676.1560	1.4105		4,705.7764

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	0.0498	0.0588	0.7372	1.7400e-003	0.1453	9.1000e-004	0.1462	0.0385	8.4000e-004	0.0394		144.2456	144.2456	6.2200e-003		144.3763
Total	0.0498	0.0588	0.7372	1.7400e-003	0.1453	9.1000e-004	0.1462	0.0385	8.4000e-004	0.0394		144.2456	144.2456	6.2200e-003		144.3763

3.10 Grading 4 - 2016**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					4.2420	0.0000	4.2420	0.4580	0.0000	0.4580			0.0000			0.0000
Off-Road	9.5131	119.7766	69.2684	0.1151		4.7102	4.7102		4.3334	4.3334		11,957.7675	11,957.7675	3.6069		12,033.5122
Total	9.5131	119.7766	69.2684	0.1151	4.2420	4.7102	8.9522	0.4580	4.3334	4.7914		11,957.7675	11,957.7675	3.6069		12,033.5122

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	0.0766	0.0905	1.1342	2.6800e-003	0.2236	1.4000e-003	0.2250	0.0593	1.2800e-003	0.0606		221.9163	221.9163	9.5700e-003		222.1173
Total	0.0766	0.0905	1.1342	2.6800e-003	0.2236	1.4000e-003	0.2250	0.0593	1.2800e-003	0.0606		221.9163	221.9163	9.5700e-003		222.1173

3.10 Grading 4 - 2016**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					4.2420	0.0000	4.2420	0.4580	0.0000	0.4580			0.0000			0.0000
Off-Road	1.8544	21.1947	54.8358	0.1151		0.7736	0.7736		0.7736	0.7736	0.0000	11,957.7675	11,957.7675	3.6069		12,033.5122
Total	1.8544	21.1947	54.8358	0.1151	4.2420	0.7736	5.0156	0.4580	0.7736	1.2317	0.0000	11,957.7675	11,957.7675	3.6069		12,033.5122

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	0.0766	0.0905	1.1342	2.6800e-003	0.2236	1.4000e-003	0.2250	0.0593	1.2800e-003	0.0606		221.9163	221.9163	9.5700e-003		222.1173
Total	0.0766	0.0905	1.1342	2.6800e-003	0.2236	1.4000e-003	0.2250	0.0593	1.2800e-003	0.0606		221.9163	221.9163	9.5700e-003		222.1173

3.11 Concrete Shell 3 - 2016**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	3.9983	50.2800	29.4382	0.0586		2.1486	2.1486		1.9767	1.9767		6,080.4547	6,080.4547	1.8341		6,118.9704
Total	3.9983	50.2800	29.4382	0.0586		2.1486	2.1486		1.9767	1.9767		6,080.4547	6,080.4547	1.8341		6,118.9704

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	0.1717	3.0389	1.9400	8.1700e-003	0.2001	0.0556	0.2557	0.0548	0.0512	0.1060		823.5555	823.5555	5.2000e-003		823.6648
Vendor	3.2352	34.9089	36.5550	0.0875	2.6173	0.6776	3.2949	0.7476	0.6231	1.3707		8,789.2554	8,789.2554	0.0572		8,790.4563
Worker	0.1533	0.1810	2.2684	5.3700e-003	0.4471	2.8000e-003	0.4499	0.1186	2.5700e-003	0.1211		443.8327	443.8327	0.0191		444.2347
Total	3.5602	38.1287	40.7634	0.1011	3.2644	0.7360	4.0004	0.9210	0.6768	1.5978		10,056.6436	10,056.6436	0.0815		10,058.3557

3.11 Concrete Shell 3 - 2016**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	0.8016	6.6608	28.3879	0.0586		0.3596	0.3596		0.3596	0.3596	0.0000	6,080.4547	6,080.4547	1.8341		6,118.9704
Total	0.8016	6.6608	28.3879	0.0586		0.3596	0.3596		0.3596	0.3596	0.0000	6,080.4547	6,080.4547	1.8341		6,118.9704

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	0.1717	3.0389	1.9400	8.1700e-003	0.2001	0.0556	0.2557	0.0548	0.0512	0.1060		823.5555	823.5555	5.2000e-003		823.6648
Vendor	3.2352	34.9089	36.5550	0.0875	2.6173	0.6776	3.2949	0.7476	0.6231	1.3707		8,789.2554	8,789.2554	0.0572		8,790.4563
Worker	0.1533	0.1810	2.2684	5.3700e-003	0.4471	2.8000e-003	0.4499	0.1186	2.5700e-003	0.1211		443.8327	443.8327	0.0191		444.2347
Total	3.5602	38.1287	40.7634	0.1011	3.2644	0.7360	4.0004	0.9210	0.6768	1.5978		10,056.6436	10,056.6436	0.0815		10,058.3557

3.12 Trenching 4 - 2016**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	3.1448	38.8823	18.6179	0.0444		1.5602	1.5602		1.4353	1.4353		4,609.5529	4,609.5529	1.3904		4,638.7514
Total	3.1448	38.8823	18.6179	0.0444		1.5602	1.5602		1.4353	1.4353		4,609.5529	4,609.5529	1.3904		4,638.7514

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	0.0498	0.0588	0.7372	1.7400e-003	0.1453	9.1000e-004	0.1462	0.0385	8.4000e-004	0.0394		144.2456	144.2456	6.2200e-003		144.3763
Total	0.0498	0.0588	0.7372	1.7400e-003	0.1453	9.1000e-004	0.1462	0.0385	8.4000e-004	0.0394		144.2456	144.2456	6.2200e-003		144.3763

3.12 Trenching 4 - 2016**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	0.8311	12.4281	22.7374	0.0444		0.5265	0.5265		0.5265	0.5265	0.0000	4,609.5529	4,609.5529	1.3904		4,638.7513
Total	0.8311	12.4281	22.7374	0.0444		0.5265	0.5265		0.5265	0.5265	0.0000	4,609.5529	4,609.5529	1.3904		4,638.7513

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	0.0498	0.0588	0.7372	1.7400e-003	0.1453	9.1000e-004	0.1462	0.0385	8.4000e-004	0.0394		144.2456	144.2456	6.2200e-003		144.3763
Total	0.0498	0.0588	0.7372	1.7400e-003	0.1453	9.1000e-004	0.1462	0.0385	8.4000e-004	0.0394		144.2456	144.2456	6.2200e-003		144.3763

3.13 Concrete Shell 4 - 2016**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	3.9983	50.2800	29.4382	0.0586		2.1486	2.1486		1.9767	1.9767		6,080.4547	6,080.4547	1.8341		6,118.9704
Total	3.9983	50.2800	29.4382	0.0586		2.1486	2.1486		1.9767	1.9767		6,080.4547	6,080.4547	1.8341		6,118.9704

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	0.2633	4.6584	2.9739	0.0125	0.3067	0.0853	0.3919	0.0840	0.0784	0.1624		1,262.4693	1,262.4693	7.9800e-003		1,262.6368
Vendor	3.2352	34.9089	36.5550	0.0875	2.6173	0.6776	3.2949	0.7476	0.6231	1.3707		8,789.2554	8,789.2554	0.0572		8,790.4563
Worker	0.1533	0.1810	2.2684	5.3700e-003	0.4471	2.8000e-003	0.4499	0.1186	2.5700e-003	0.1211		443.8327	443.8327	0.0191		444.2347
Total	3.6517	39.7483	41.7974	0.1054	3.3711	0.7656	4.1367	0.9502	0.7041	1.6542		10,495.5574	10,495.5574	0.0843		10,497.3278

3.13 Concrete Shell 4 - 2016**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	0.8016	6.6608	28.3879	0.0586		0.3596	0.3596		0.3596	0.3596	0.0000	6,080.4547	6,080.4547	1.8341		6,118.9704
Total	0.8016	6.6608	28.3879	0.0586		0.3596	0.3596		0.3596	0.3596	0.0000	6,080.4547	6,080.4547	1.8341		6,118.9704

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	0.2633	4.6584	2.9739	0.0125	0.3067	0.0853	0.3919	0.0840	0.0784	0.1624		1,262.4693	1,262.4693	7.9800e-003		1,262.6368
Vendor	3.2352	34.9089	36.5550	0.0875	2.6173	0.6776	3.2949	0.7476	0.6231	1.3707		8,789.2554	8,789.2554	0.0572		8,790.4563
Worker	0.1533	0.1810	2.2684	5.3700e-003	0.4471	2.8000e-003	0.4499	0.1186	2.5700e-003	0.1211		443.8327	443.8327	0.0191		444.2347
Total	3.6517	39.7483	41.7974	0.1054	3.3711	0.7656	4.1367	0.9502	0.7041	1.6542		10,495.5574	10,495.5574	0.0843		10,497.3278

3.14 Steel & Roof 1 - 2016**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	3.7894	48.4056	23.6538	0.0493		1.9217	1.9217		1.7680	1.7680		5,125.1584	5,125.1584	1.5459		5,157.6229
Total	3.7894	48.4056	23.6538	0.0493		1.9217	1.9217		1.7680	1.7680		5,125.1584	5,125.1584	1.5459		5,157.6229

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	3.2352	34.9089	36.5550	0.0875	2.6173	0.6776	3.2949	0.7476	0.6231	1.3707		8,789.2554	8,789.2554	0.0572		8,790.4563
Worker	0.4790	0.5656	7.0888	0.0168	1.3972	8.7300e-003	1.4059	0.3706	8.0300e-003	0.3786		1,386.9770	1,386.9770	0.0598		1,388.2333
Total	3.7141	35.4744	43.6439	0.1043	4.0145	0.6863	4.7008	1.1181	0.6311	1.7493		10,176.2325	10,176.2325	0.1170		10,178.6896

3.14 Steel & Roof 1 - 2016**Mitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	1.8420	18.2779	22.9861	0.0493		0.7995	0.7995		0.7406	0.7406	0.0000	5,125.1584	5,125.1584	1.5459		5,157.6229
Total	1.8420	18.2779	22.9861	0.0493		0.7995	0.7995		0.7406	0.7406	0.0000	5,125.1584	5,125.1584	1.5459		5,157.6229

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	3.2352	34.9089	36.5550	0.0875	2.6173	0.6776	3.2949	0.7476	0.6231	1.3707		8,789.2554	8,789.2554	0.0572		8,790.4563
Worker	0.4790	0.5656	7.0888	0.0168	1.3972	8.7300e-003	1.4059	0.3706	8.0300e-003	0.3786		1,386.9770	1,386.9770	0.0598		1,388.2333
Total	3.7141	35.4744	43.6439	0.1043	4.0145	0.6863	4.7008	1.1181	0.6311	1.7493		10,176.2325	10,176.2325	0.1170		10,178.6896

3.15 Steel & Roof 2 - 2016**Unmitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	2.2979	29.5650	14.8227	0.0311		1.1584	1.1584		1.0657	1.0657		3,230.8719	3,230.8719	0.9746		3,251.3373
Total	2.2979	29.5650	14.8227	0.0311		1.1584	1.1584		1.0657	1.0657		3,230.8719	3,230.8719	0.9746		3,251.3373

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	3.2352	34.9089	36.5550	0.0875	2.6173	0.6776	3.2949	0.7476	0.6231	1.3707		8,789.2554	8,789.2554	0.0572		8,790.4563
Worker	0.1533	0.1810	2.2684	5.3700e-003	0.4471	2.8000e-003	0.4499	0.1186	2.5700e-003	0.1211		443.8327	443.8327	0.0191		444.2347
Total	3.3884	35.0899	38.8235	0.0929	3.0644	0.6804	3.7448	0.8662	0.6257	1.4918		9,233.0881	9,233.0881	0.0763		9,234.6910

3.15 Steel & Roof 2 - 2016**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	0.9997	9.4799	14.3775	0.0311		0.4102	0.4102		0.3808	0.3808	0.0000	3,230.8719	3,230.8719	0.9746		3,251.3373
Total	0.9997	9.4799	14.3775	0.0311		0.4102	0.4102		0.3808	0.3808	0.0000	3,230.8719	3,230.8719	0.9746		3,251.3373

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	3.2352	34.9089	36.5550	0.0875	2.6173	0.6776	3.2949	0.7476	0.6231	1.3707		8,789.2554	8,789.2554	0.0572		8,790.4563
Worker	0.1533	0.1810	2.2684	5.3700e-003	0.4471	2.8000e-003	0.4499	0.1186	2.5700e-003	0.1211		443.8327	443.8327	0.0191		444.2347
Total	3.3884	35.0899	38.8235	0.0929	3.0644	0.6804	3.7448	0.8662	0.6257	1.4918		9,233.0881	9,233.0881	0.0763		9,234.6910

3.16 Steel & Roof 3 - 2016**Unmitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	2.2979	29.5650	14.8227	0.0311		1.1584	1.1584		1.0657	1.0657		3,230.8719	3,230.8719	0.9746		3,251.3373
Total	2.2979	29.5650	14.8227	0.0311		1.1584	1.1584		1.0657	1.0657		3,230.8719	3,230.8719	0.9746		3,251.3373

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	3.2352	34.9089	36.5550	0.0875	2.6173	0.6776	3.2949	0.7476	0.6231	1.3707		8,789.2554	8,789.2554	0.0572		8,790.4563
Worker	0.1533	0.1810	2.2684	5.3700e-003	0.4471	2.8000e-003	0.4499	0.1186	2.5700e-003	0.1211		443.8327	443.8327	0.0191		444.2347
Total	3.3884	35.0899	38.8235	0.0929	3.0644	0.6804	3.7448	0.8662	0.6257	1.4918		9,233.0881	9,233.0881	0.0763		9,234.6910

3.16 Steel & Roof 3 - 2016**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	0.9997	9.4799	14.3775	0.0311		0.4102	0.4102		0.3808	0.3808	0.0000	3,230.8719	3,230.8719	0.9746		3,251.3373
Total	0.9997	9.4799	14.3775	0.0311		0.4102	0.4102		0.3808	0.3808	0.0000	3,230.8719	3,230.8719	0.9746		3,251.3373

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	3.2352	34.9089	36.5550	0.0875	2.6173	0.6776	3.2949	0.7476	0.6231	1.3707		8,789.2554	8,789.2554	0.0572		8,790.4563
Worker	0.1533	0.1810	2.2684	5.3700e-003	0.4471	2.8000e-003	0.4499	0.1186	2.5700e-003	0.1211		443.8327	443.8327	0.0191		444.2347
Total	3.3884	35.0899	38.8235	0.0929	3.0644	0.6804	3.7448	0.8662	0.6257	1.4918		9,233.0881	9,233.0881	0.0763		9,234.6910

3.17 Roofing & Overhead Work 2 - 2016**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	1.9532	24.8275	14.3833	0.0291		1.0194	1.0194		0.9379	0.9379		3,017.0957	3,017.0957	0.9101		3,036.2070
Total	1.9532	24.8275	14.3833	0.0291		1.0194	1.0194		0.9379	0.9379		3,017.0957	3,017.0957	0.9101		3,036.2070

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	3.2352	34.9089	36.5550	0.0875	2.6173	0.6776	3.2949	0.7476	0.6231	1.3707		8,789.2554	8,789.2554	0.0572		8,790.4563
Worker	0.1533	0.1810	2.2684	5.3700e-003	0.4471	2.8000e-003	0.4499	0.1186	2.5700e-003	0.1211		443.8327	443.8327	0.0191		444.2347
Total	3.3884	35.0899	38.8235	0.0929	3.0644	0.6804	3.7448	0.8662	0.6257	1.4918		9,233.0881	9,233.0881	0.0763		9,234.6910

3.17 Roofing & Overhead Work 2 - 2016**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	0.6549	4.7424	13.9381	0.0291		0.2713	0.2713		0.2529	0.2529	0.0000	3,017.0957	3,017.0957	0.9101		3,036.2070
Total	0.6549	4.7424	13.9381	0.0291		0.2713	0.2713		0.2529	0.2529	0.0000	3,017.0957	3,017.0957	0.9101		3,036.2070

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	3.2352	34.9089	36.5550	0.0875	2.6173	0.6776	3.2949	0.7476	0.6231	1.3707		8,789.2554	8,789.2554	0.0572		8,790.4563
Worker	0.1533	0.1810	2.2684	5.3700e-003	0.4471	2.8000e-003	0.4499	0.1186	2.5700e-003	0.1211		443.8327	443.8327	0.0191		444.2347
Total	3.3884	35.0899	38.8235	0.0929	3.0644	0.6804	3.7448	0.8662	0.6257	1.4918		9,233.0881	9,233.0881	0.0763		9,234.6910

3.18 Roofing & Overhead Work 1 - 2016**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	3.1597	39.8954	23.6141	0.0467		1.6713	1.6713		1.5376	1.5376		4,845.3578	4,845.3578	1.4615		4,876.0499
Total	3.1597	39.8954	23.6141	0.0467		1.6713	1.6713		1.5376	1.5376		4,845.3578	4,845.3578	1.4615		4,876.0499

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	3.2352	34.9089	36.5550	0.0875	2.6173	0.6776	3.2949	0.7476	0.6231	1.3707		8,789.2554	8,789.2554	0.0572		8,790.4563
Worker	0.4790	0.5656	7.0888	0.0168	1.3972	8.7300e-003	1.4059	0.3706	8.0300e-003	0.3786		1,386.9770	1,386.9770	0.0598		1,388.2333
Total	3.7141	35.4744	43.6439	0.1043	4.0145	0.6863	4.7008	1.1181	0.6311	1.7493		10,176.2325	10,176.2325	0.1170		10,178.6896

3.18 Roofing & Overhead Work 1 - 2016**Mitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	1.2123	9.7677	22.9463	0.0467		0.5491	0.5491		0.5102	0.5102	0.0000	4,845.3578	4,845.3578	1.4615		4,876.0499
Total	1.2123	9.7677	22.9463	0.0467		0.5491	0.5491		0.5102	0.5102	0.0000	4,845.3578	4,845.3578	1.4615		4,876.0499

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	3.2352	34.9089	36.5550	0.0875	2.6173	0.6776	3.2949	0.7476	0.6231	1.3707		8,789.2554	8,789.2554	0.0572		8,790.4563
Worker	0.4790	0.5656	7.0888	0.0168	1.3972	8.7300e-003	1.4059	0.3706	8.0300e-003	0.3786		1,386.9770	1,386.9770	0.0598		1,388.2333
Total	3.7141	35.4744	43.6439	0.1043	4.0145	0.6863	4.7008	1.1181	0.6311	1.7493		10,176.2325	10,176.2325	0.1170		10,178.6896

3.18 Roofing & Overhead Work 1 - 2017**Unmitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	2.9659	36.9597	22.2694	0.0466		1.5220	1.5220		1.4002	1.4002		4,764.898 1	4,764.898 1	1.4600		4,795.557 2
Total	2.9659	36.9597	22.2694	0.0466		1.5220	1.5220		1.4002	1.4002		4,764.898 1	4,764.898 1	1.4600		4,795.557 2

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	2.9192	31.6630	34.1196	0.0874	2.6174	0.6072	3.2246	0.7476	0.5585	1.3061		8,640.847 0	8,640.847 0	0.0551		8,642.004 3
Worker	0.4290	0.5075	6.3663	0.0168	1.3972	8.4900e-003	1.4057	0.3706	7.8400e-003	0.3784		1,332.070 4	1,332.070 4	0.0549		1,333.222 6
Total	3.3482	32.1704	40.4859	0.1041	4.0146	0.6157	4.6303	1.1182	0.5663	1.6845		9,972.917 4	9,972.917 4	0.1100		9,975.226 9

3.18 Roofing & Overhead Work 1 - 2017**Mitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	1.1581	9.2917	22.8897	0.0466		0.4976	0.4976		0.4628	0.4628	0.0000	4,764.898 1	4,764.898 1	1.4600		4,795.557 2
Total	1.1581	9.2917	22.8897	0.0466		0.4976	0.4976		0.4628	0.4628	0.0000	4,764.898 1	4,764.898 1	1.4600		4,795.557 2

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	2.9192	31.6630	34.1196	0.0874	2.6174	0.6072	3.2246	0.7476	0.5585	1.3061		8,640.847 0	8,640.847 0	0.0551		8,642.004 3
Worker	0.4290	0.5075	6.3663	0.0168	1.3972	8.4900e-003	1.4057	0.3706	7.8400e-003	0.3784		1,332.070 4	1,332.070 4	0.0549		1,333.222 6
Total	3.3482	32.1704	40.4859	0.1041	4.0146	0.6157	4.6303	1.1182	0.5663	1.6845		9,972.917 4	9,972.917 4	0.1100		9,975.226 9

3.19 Paving 2 - 2016**Unmitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	2.2385	25.9379	13.6295	0.0271		1.1680	1.1680		1.0746	1.0746		2,812.896 1	2,812.896 1	0.8485		2,830.714 0
Paving	1.6824					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Total	3.9209	25.9379	13.6295	0.0271		1.1680	1.1680		1.0746	1.0746		2,812.896 1	2,812.896 1	0.8485		2,830.714 0

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	0.1947	3.4448	2.1991	9.2600e-003	0.2268	0.0631	0.2898	0.0621	0.0580	0.1201		933.5666	933.5666	5.9000e-003		933.6905
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	0.0307	0.0362	0.4537	1.0700e-003	0.0894	5.6000e-004	0.0900	0.0237	5.1000e-004	0.0242		88.7665	88.7665	3.8300e-003		88.8469
Total	0.2253	3.4810	2.6528	0.0103	0.3162	0.0636	0.3798	0.0858	0.0585	0.1443		1,022.333 2	1,022.333 2	9.7300e-003		1,022.537 4

3.19 Paving 2 - 2016**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	0.5097	7.7946	14.1898	0.0271		0.3537	0.3537		0.3537	0.3537	0.0000	2,812.896 1	2,812.896 1	0.8485		2,830.714 0
Paving	1.6824					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Total	2.1921	7.7946	14.1898	0.0271		0.3537	0.3537		0.3537	0.3537	0.0000	2,812.896 1	2,812.896 1	0.8485		2,830.714 0

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	0.1947	3.4448	2.1991	9.2600e-003	0.2268	0.0631	0.2898	0.0621	0.0580	0.1201		933.5666	933.5666	5.9000e-003		933.6905
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	0.0307	0.0362	0.4537	1.0700e-003	0.0894	5.6000e-004	0.0900	0.0237	5.1000e-004	0.0242		88.7665	88.7665	3.8300e-003		88.8469
Total	0.2253	3.4810	2.6528	0.0103	0.3162	0.0636	0.3798	0.0858	0.0585	0.1443		1,022.333 2	1,022.333 2	9.7300e-003		1,022.537 4

3.20 Architectural Coating 2 - 2016**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	66.7337					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Off-Road	0.8065	10.7243	5.9916	0.0129		0.3951	0.3951		0.3635	0.3635		1,336.5853	1,336.5853	0.4032		1,345,0517
Total	67.5402	10.7243	5.9916	0.0129		0.3951	0.3951		0.3635	0.3635		1,336.5853	1,336.5853	0.4032		1,345,0517

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	0.8161	0.9637	12.0794	0.0286	2.3808	0.0149	2.3957	0.6314	0.0137	0.6451		2,363.4089	2,363.4089	0.1019		2,365,5495
Total	0.8161	0.9637	12.0794	0.0286	2.3808	0.0149	2.3957	0.6314	0.0137	0.6451		2,363.4089	2,363.4089	0.1019		2,365,5495

3.20 Architectural Coating 2 - 2016**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	66.7337					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Off-Road	0.1573	0.6818	5.7690	0.0129		0.0210	0.0210		0.0210	0.0210	0.0000	1,336.5853	1,336.5853	0.4032		1,345,0517
Total	66.8910	0.6818	5.7690	0.0129		0.0210	0.0210		0.0210	0.0210	0.0000	1,336.5853	1,336.5853	0.4032		1,345,0517

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	0.8161	0.9637	12.0794	0.0286	2.3808	0.0149	2.3957	0.6314	0.0137	0.6451		2,363.4089	2,363.4089	0.1019		2,365,5495
Total	0.8161	0.9637	12.0794	0.0286	2.3808	0.0149	2.3957	0.6314	0.0137	0.6451		2,363.4089	2,363.4089	0.1019		2,365,5495

3.21 Misc. Finishes 2 - 2016**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	0.8663	11.6890	6.8307	0.0143		0.4225	0.4225		0.3887	0.3887		1,484.337 1	1,484.337 1	0.4477		1,493.739 4
Total	0.8663	11.6890	6.8307	0.0143		0.4225	0.4225		0.3887	0.3887		1,484.337 1	1,484.337 1	0.4477		1,493.739 4

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	3.2352	34.9089	36.5550	0.0875	2.6173	0.6776	3.2949	0.7476	0.6231	1.3707		8,789.255 4	8,789.255 4	0.0572		8,790.456 3
Worker	0.1533	0.1810	2.2684	5.3700e-003	0.4471	2.8000e-003	0.4499	0.1186	2.5700e-003	0.1211		443.8327	443.8327	0.0191		444.2347
Total	3.3884	35.0899	38.8235	0.0929	3.0644	0.6804	3.7448	0.8662	0.6257	1.4918		9,233.088 1	9,233.088 1	0.0763		9,234.691 0

3.21 Misc. Finishes 2 - 2016**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	0.2171	1.6464	6.6081	0.0143		0.0484	0.0484		0.0462	0.0462	0.0000	1,484.337 1	1,484.337 1	0.4477		1,493.739 4
Total	0.2171	1.6464	6.6081	0.0143		0.0484	0.0484		0.0462	0.0462	0.0000	1,484.337 1	1,484.337 1	0.4477		1,493.739 4

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	3.2352	34.9089	36.5550	0.0875	2.6173	0.6776	3.2949	0.7476	0.6231	1.3707		8,789.255 4	8,789.255 4	0.0572		8,790.456 3
Worker	0.1533	0.1810	2.2684	5.3700e-003	0.4471	2.8000e-003	0.4499	0.1186	2.5700e-003	0.1211		443.8327	443.8327	0.0191		444.2347
Total	3.3884	35.0899	38.8235	0.0929	3.0644	0.6804	3.7448	0.8662	0.6257	1.4918		9,233.088 1	9,233.088 1	0.0763		9,234.691 0

3.22 Roofing & Overhead Work 3 - 2016**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	1.9532	24.8275	14.3833	0.0291		1.0194	1.0194		0.9379	0.9379		3,017.0957	3,017.0957	0.9101		3,036.2070
Total	1.9532	24.8275	14.3833	0.0291		1.0194	1.0194		0.9379	0.9379		3,017.0957	3,017.0957	0.9101		3,036.2070

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	3.2352	34.9089	36.5550	0.0875	2.6173	0.6776	3.2949	0.7476	0.6231	1.3707		8,789.2554	8,789.2554	0.0572		8,790.4563
Worker	0.1533	0.1810	2.2684	5.3700e-003	0.4471	2.8000e-003	0.4499	0.1186	2.5700e-003	0.1211		443.8327	443.8327	0.0191		444.2347
Total	3.3884	35.0899	38.8235	0.0929	3.0644	0.6804	3.7448	0.8662	0.6257	1.4918		9,233.0881	9,233.0881	0.0763		9,234.6910

3.22 Roofing & Overhead Work 3 - 2016**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	0.6549	4.7424	13.9381	0.0291		0.2713	0.2713		0.2529	0.2529	0.0000	3,017.0957	3,017.0957	0.9101		3,036.2070
Total	0.6549	4.7424	13.9381	0.0291		0.2713	0.2713		0.2529	0.2529	0.0000	3,017.0957	3,017.0957	0.9101		3,036.2070

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	3.2352	34.9089	36.5550	0.0875	2.6173	0.6776	3.2949	0.7476	0.6231	1.3707		8,789.2554	8,789.2554	0.0572		8,790.4563
Worker	0.1533	0.1810	2.2684	5.3700e-003	0.4471	2.8000e-003	0.4499	0.1186	2.5700e-003	0.1211		443.8327	443.8327	0.0191		444.2347
Total	3.3884	35.0899	38.8235	0.0929	3.0644	0.6804	3.7448	0.8662	0.6257	1.4918		9,233.0881	9,233.0881	0.0763		9,234.6910

3.23 Steel & Roof 4 - 2016**Unmitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	2.2979	29.5650	14.8227	0.0311		1.1584	1.1584		1.0657	1.0657		3,230.8719	3,230.8719	0.9746		3,251.3373
Total	2.2979	29.5650	14.8227	0.0311		1.1584	1.1584		1.0657	1.0657		3,230.8719	3,230.8719	0.9746		3,251.3373

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	3.2352	34.9089	36.5550	0.0875	2.6173	0.6776	3.2949	0.7476	0.6231	1.3707		8,789.2554	8,789.2554	0.0572		8,790.4563
Worker	0.1533	0.1810	2.2684	5.3700e-003	0.4471	2.8000e-003	0.4499	0.1186	2.5700e-003	0.1211		443.8327	443.8327	0.0191		444.2347
Total	3.3884	35.0899	38.8235	0.0929	3.0644	0.6804	3.7448	0.8662	0.6257	1.4918		9,233.0881	9,233.0881	0.0763		9,234.6910

3.23 Steel & Roof 4 - 2016**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	0.9997	9.4799	14.3775	0.0311		0.4102	0.4102		0.3808	0.3808	0.0000	3,230.8719	3,230.8719	0.9746		3,251.3373
Total	0.9997	9.4799	14.3775	0.0311		0.4102	0.4102		0.3808	0.3808	0.0000	3,230.8719	3,230.8719	0.9746		3,251.3373

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	3.2352	34.9089	36.5550	0.0875	2.6173	0.6776	3.2949	0.7476	0.6231	1.3707		8,789.2554	8,789.2554	0.0572		8,790.4563
Worker	0.1533	0.1810	2.2684	5.3700e-003	0.4471	2.8000e-003	0.4499	0.1186	2.5700e-003	0.1211		443.8327	443.8327	0.0191		444.2347
Total	3.3884	35.0899	38.8235	0.0929	3.0644	0.6804	3.7448	0.8662	0.6257	1.4918		9,233.0881	9,233.0881	0.0763		9,234.6910

3.24 Paving 3 - 2016**Unmitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	2.2385	25.9379	13.6295	0.0271		1.1680	1.1680		1.0746	1.0746		2,812.8961	2,812.8961	0.8485		2,830.7140
Paving	1.6824					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Total	3.9209	25.9379	13.6295	0.0271		1.1680	1.1680		1.0746	1.0746		2,812.8961	2,812.8961	0.8485		2,830.7140

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	0.2081	3.6814	2.3502	9.8900e-003	0.3036	0.0674	0.3710	0.0814	0.0620	0.1434		997.6852	997.6852	6.3000e-003		997.8176
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	0.0307	0.0362	0.4537	1.0700e-003	0.0894	5.6000e-004	0.0900	0.0237	5.1000e-004	0.0242		88.7665	88.7665	3.8300e-003		88.8469
Total	0.2387	3.7176	2.8039	0.0110	0.3930	0.0679	0.4609	0.1051	0.0625	0.1676		1,086.4518	1,086.4518	0.0101		1,086.6645

3.24 Paving 3 - 2016**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	0.5097	7.7946	14.1898	0.0271		0.3537	0.3537		0.3537	0.3537	0.0000	2,812.896 1	2,812.896 1	0.8485		2,830.714 0
Paving	1.6824					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Total	2.1921	7.7946	14.1898	0.0271		0.3537	0.3537		0.3537	0.3537	0.0000	2,812.896 1	2,812.896 1	0.8485		2,830.714 0

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	0.2081	3.6814	2.3502	9.8900e-003	0.3036	0.0674	0.3710	0.0814	0.0620	0.1434		997.6852	997.6852	6.3000e-003		997.8176
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	0.0307	0.0362	0.4537	1.0700e-003	0.0894	5.6000e-004	0.0900	0.0237	5.1000e-004	0.0242		88.7665	88.7665	3.8300e-003		88.8469
Total	0.2387	3.7176	2.8039	0.0110	0.3930	0.0679	0.4609	0.1051	0.0625	0.1676		1,086.451 8	1,086.451 8	0.0101		1,086.664 5

3.24 Paving 3 - 2017**Unmitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	2.1245	24.1267	12.9756	0.0271		1.0924	1.0924		1.0050	1.0050		2,766.6324	2,766.6324	0.8477		2,784.4339
Paving	1.6824					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Total	3.8069	24.1267	12.9756	0.0271		1.0924	1.0924		1.0050	1.0050		2,766.6324	2,766.6324	0.8477		2,784.4339

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	0.1933	3.3684	2.2391	9.8800e-003	0.7934	0.0620	0.8554	0.2016	0.0570	0.2586		980.7766	980.7766	6.1500e-003		980.9059
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	0.0275	0.0325	0.4075	1.0700e-003	0.0894	5.4000e-004	0.0900	0.0237	5.0000e-004	0.0242		85.2525	85.2525	3.5100e-003		85.3263
Total	0.2207	3.4009	2.6466	0.0110	0.8828	0.0625	0.9453	0.2254	0.0575	0.2829		1,066.0291	1,066.0291	9.6600e-003		1,066.2321

3.24 Paving 3 - 2017**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	0.5097	7.7946	14.1898	0.0271		0.3537	0.3537		0.3537	0.3537	0.0000	2,766.632 4	2,766.632 4	0.8477		2,784.433 9
Paving	1.6824					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Total	2.1921	7.7946	14.1898	0.0271		0.3537	0.3537		0.3537	0.3537	0.0000	2,766.632 4	2,766.632 4	0.8477		2,784.433 9

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	0.1933	3.3684	2.2391	9.8800e-003	0.7934	0.0620	0.8554	0.2016	0.0570	0.2586		980.7766	980.7766	6.1500e-003		980.9059
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	0.0275	0.0325	0.4075	1.0700e-003	0.0894	5.4000e-004	0.0900	0.0237	5.0000e-004	0.0242		85.2525	85.2525	3.5100e-003		85.3263
Total	0.2207	3.4009	2.6466	0.0110	0.8828	0.0625	0.9453	0.2254	0.0575	0.2829		1,066.029 1	1,066.029 1	9.6600e-003		1,066.232 1

3.25 Architectural Coating 1 - 2016**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	144.4415					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Off-Road	3.2259	42.8974	23.9663	0.0515		1.5802	1.5802		1.4538	1.4538		5,346.341 3	5,346.341 3	1.6127		5,380.206 9
Total	147.6673	42.8974	23.9663	0.0515		1.5802	1.5802		1.4538	1.4538		5,346.341 3	5,346.341 3	1.6127		5,380.206 9

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	0.8161	0.9637	12.0794	0.0286	2.3808	0.0149	2.3957	0.6314	0.0137	0.6451		2,363.408 9	2,363.408 9	0.1019		2,365.549 5
Total	0.8161	0.9637	12.0794	0.0286	2.3808	0.0149	2.3957	0.6314	0.0137	0.6451		2,363.408 9	2,363.408 9	0.1019		2,365.549 5

3.25 Architectural Coating 1 - 2016**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	144.4415					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Off-Road	0.6293	2.7272	23.0759	0.0515		0.0839	0.0839		0.0839	0.0839	0.0000	5,346.3413	5,346.3413	1.6127		5,380.2069
Total	145.0708	2.7272	23.0759	0.0515		0.0839	0.0839		0.0839	0.0839	0.0000	5,346.3413	5,346.3413	1.6127		5,380.2069

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	0.8161	0.9637	12.0794	0.0286	2.3808	0.0149	2.3957	0.6314	0.0137	0.6451		2,363.4089	2,363.4089	0.1019		2,365.5495
Total	0.8161	0.9637	12.0794	0.0286	2.3808	0.0149	2.3957	0.6314	0.0137	0.6451		2,363.4089	2,363.4089	0.1019		2,365.5495

3.25 Architectural Coating 1 - 2017**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	144.4415					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Off-Road	3.0399	39.6179	22.2488	0.0514		1.4498	1.4498		1.3338	1.3338		5,256.3799	5,256.3799	1.6106		5,290.2014
Total	147.4813	39.6179	22.2488	0.0514		1.4498	1.4498		1.3338	1.3338		5,256.3799	5,256.3799	1.6106		5,290.2014

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	0.7311	0.8647	10.8482	0.0286	2.3808	0.0145	2.3953	0.6314	0.0134	0.6448		2,269.8479	2,269.8479	0.0935		2,271.8114
Total	0.7311	0.8647	10.8482	0.0286	2.3808	0.0145	2.3953	0.6314	0.0134	0.6448		2,269.8479	2,269.8479	0.0935		2,271.8114

3.25 Architectural Coating 1 - 2017**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	144.4415					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Off-Road	0.6293	2.7272	23.0759	0.0514		0.0839	0.0839		0.0839	0.0839	0.0000	5,256.379 9	5,256.379 9	1.6106		5,290.201 4
Total	145.0708	2.7272	23.0759	0.0514		0.0839	0.0839		0.0839	0.0839	0.0000	5,256.379 9	5,256.379 9	1.6106		5,290.201 4

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	0.7311	0.8647	10.8482	0.0286	2.3808	0.0145	2.3953	0.6314	0.0134	0.6448		2,269.847 9	2,269.847 9	0.0935		2,271.811 4
Total	0.7311	0.8647	10.8482	0.0286	2.3808	0.0145	2.3953	0.6314	0.0134	0.6448		2,269.847 9	2,269.847 9	0.0935		2,271.811 4

3.26 Misc. Finishes 3 - 2016**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	0.8663	11.6890	6.8307	0.0143		0.4225	0.4225		0.3887	0.3887		1,484.337 1	1,484.337 1	0.4477		1,493.739 4
Total	0.8663	11.6890	6.8307	0.0143		0.4225	0.4225		0.3887	0.3887		1,484.337 1	1,484.337 1	0.4477		1,493.739 4

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	3.2352	34.9089	36.5550	0.0875	2.6173	0.6776	3.2949	0.7476	0.6231	1.3707		8,789.255 4	8,789.255 4	0.0572		8,790.456 3
Worker	0.1533	0.1810	2.2684	5.3700e-003	0.4471	2.8000e-003	0.4499	0.1186	2.5700e-003	0.1211		443.8327	443.8327	0.0191		444.2347
Total	3.3884	35.0899	38.8235	0.0929	3.0644	0.6804	3.7448	0.8662	0.6257	1.4918		9,233.088 1	9,233.088 1	0.0763		9,234.691 0

3.26 Misc. Finishes 3 - 2016**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	0.2171	1.6464	6.6081	0.0143		0.0484	0.0484		0.0462	0.0462	0.0000	1,484.337 1	1,484.337 1	0.4477		1,493.739 4
Total	0.2171	1.6464	6.6081	0.0143		0.0484	0.0484		0.0462	0.0462	0.0000	1,484.337 1	1,484.337 1	0.4477		1,493.739 4

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	3.2352	34.9089	36.5550	0.0875	2.6173	0.6776	3.2949	0.7476	0.6231	1.3707		8,789.255 4	8,789.255 4	0.0572		8,790.456 3
Worker	0.1533	0.1810	2.2684	5.3700e-003	0.4471	2.8000e-003	0.4499	0.1186	2.5700e-003	0.1211		443.8327	443.8327	0.0191		444.2347
Total	3.3884	35.0899	38.8235	0.0929	3.0644	0.6804	3.7448	0.8662	0.6257	1.4918		9,233.088 1	9,233.088 1	0.0763		9,234.691 0

3.26 Misc. Finishes 3 - 2017**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	0.8148	10.8150	6.3939	0.0143		0.3832	0.3832		0.3525	0.3525		1,459.550 1	1,459.550 1	0.4472		1,468.941 4
Total	0.8148	10.8150	6.3939	0.0143		0.3832	0.3832		0.3525	0.3525		1,459.550 1	1,459.550 1	0.4472		1,468.941 4

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	2.9192	31.6630	34.1196	0.0874	2.6174	0.6072	3.2246	0.7476	0.5585	1.3061		8,640.847 0	8,640.847 0	0.0551		8,642.004 3
Worker	0.1373	0.1624	2.0372	5.3600e-003	0.4471	2.7200e-003	0.4498	0.1186	2.5100e-003	0.1211		426.2625	426.2625	0.0176		426.6312
Total	3.0565	31.8253	36.1568	0.0927	3.0645	0.6100	3.6744	0.8662	0.5610	1.4272		9,067.109 5	9,067.109 5	0.0727		9,068.635 5

3.26 Misc. Finishes 3 - 2017**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	0.2122	1.5923	6.6007	0.0143		0.0417	0.0417		0.0400	0.0400	0.0000	1,459.550 1	1,459.550 1	0.4472		1,468.941 4
Total	0.2122	1.5923	6.6007	0.0143		0.0417	0.0417		0.0400	0.0400	0.0000	1,459.550 1	1,459.550 1	0.4472		1,468.941 4

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	2.9192	31.6630	34.1196	0.0874	2.6174	0.6072	3.2246	0.7476	0.5585	1.3061		8,640.847 0	8,640.847 0	0.0551		8,642.004 3
Worker	0.1373	0.1624	2.0372	5.3600e-003	0.4471	2.7200e-003	0.4498	0.1186	2.5100e-003	0.1211		426.2625	426.2625	0.0176		426.6312
Total	3.0565	31.8253	36.1568	0.0927	3.0645	0.6100	3.6744	0.8662	0.5610	1.4272		9,067.109 5	9,067.109 5	0.0727		9,068.635 5

3.27 Architectural Coating 3 - 2016**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	56.3230					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Off-Road	0.8065	10.7243	5.9916	0.0129		0.3951	0.3951		0.3635	0.3635		1,336.5853	1,336.5853	0.4032		1,345.0517
Total	57.1295	10.7243	5.9916	0.0129		0.3951	0.3951		0.3635	0.3635		1,336.5853	1,336.5853	0.4032		1,345.0517

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	0.8161	0.9637	12.0794	0.0286	2.3808	0.0149	2.3957	0.6314	0.0137	0.6451		2,363.4089	2,363.4089	0.1019		2,365.5495
Total	0.8161	0.9637	12.0794	0.0286	2.3808	0.0149	2.3957	0.6314	0.0137	0.6451		2,363.4089	2,363.4089	0.1019		2,365.5495

3.27 Architectural Coating 3 - 2016**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	56.3230					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Off-Road	0.1573	0.6818	5.7690	0.0129		0.0210	0.0210		0.0210	0.0210	0.0000	1,336.5853	1,336.5853	0.4032		1,345.0517
Total	56.4803	0.6818	5.7690	0.0129		0.0210	0.0210		0.0210	0.0210	0.0000	1,336.5853	1,336.5853	0.4032		1,345.0517

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	0.8161	0.9637	12.0794	0.0286	2.3808	0.0149	2.3957	0.6314	0.0137	0.6451		2,363.4089	2,363.4089	0.1019		2,365.5495
Total	0.8161	0.9637	12.0794	0.0286	2.3808	0.0149	2.3957	0.6314	0.0137	0.6451		2,363.4089	2,363.4089	0.1019		2,365.5495

3.27 Architectural Coating 3 - 2017**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	56.3230					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Off-Road	0.7600	9.9045	5.5622	0.0129		0.3625	0.3625		0.3335	0.3335		1,314.0950	1,314.0950	0.4026		1,322.5504
Total	57.0829	9.9045	5.5622	0.0129		0.3625	0.3625		0.3335	0.3335		1,314.0950	1,314.0950	0.4026		1,322.5504

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	0.7311	0.8647	10.8482	0.0286	2.3808	0.0145	2.3953	0.6314	0.0134	0.6448		2,269.8479	2,269.8479	0.0935		2,271.8114
Total	0.7311	0.8647	10.8482	0.0286	2.3808	0.0145	2.3953	0.6314	0.0134	0.6448		2,269.8479	2,269.8479	0.0935		2,271.8114

3.27 Architectural Coating 3 - 2017**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	56.3230					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Off-Road	0.1573	0.6818	5.7690	0.0129		0.0210	0.0210		0.0210	0.0210	0.0000	1,314.0950	1,314.0950	0.4026		1,322.5504
Total	56.4803	0.6818	5.7690	0.0129		0.0210	0.0210		0.0210	0.0210	0.0000	1,314.0950	1,314.0950	0.4026		1,322.5504

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	0.7311	0.8647	10.8482	0.0286	2.3808	0.0145	2.3953	0.6314	0.0134	0.6448		2,269.8479	2,269.8479	0.0935		2,271.8114
Total	0.7311	0.8647	10.8482	0.0286	2.3808	0.0145	2.3953	0.6314	0.0134	0.6448		2,269.8479	2,269.8479	0.0935		2,271.8114

3.28 Paving 1 - 2016**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	3.1077	36.2213	18.4186	0.0378		1.5543	1.5543		1.4299	1.4299		3,924.9846	3,924.9846	1.1839		3,949.8468
Paving	0.5293					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Total	3.6370	36.2213	18.4186	0.0378		1.5543	1.5543		1.4299	1.4299		3,924.9846	3,924.9846	1.1839		3,949.8468

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	0.3493	6.1810	3.9459	0.0166	4.6730	0.1131	4.7861	1.1586	0.1041	1.2626		1,675.0945	1,675.0945	0.0106		1,675.3167
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	0.0383	0.0453	0.5671	1.3400e-003	0.1118	7.0000e-004	0.1125	0.0296	6.4000e-004	0.0303		110.9582	110.9582	4.7900e-003		111.0587
Total	0.3876	6.2262	4.5130	0.0180	4.7848	0.1138	4.8986	1.1882	0.1047	1.2929		1,786.0527	1,786.0527	0.0154		1,786.3754

3.28 Paving 1 - 2016**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	0.7764	12.9503	19.9676	0.0378		0.5492	0.5492		0.5492	0.5492	0.0000	3,924.9845	3,924.9845	1.1839		3,949.8468
Paving	0.5293					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Total	1.3057	12.9503	19.9676	0.0378		0.5492	0.5492		0.5492	0.5492	0.0000	3,924.9845	3,924.9845	1.1839		3,949.8468

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	0.3493	6.1810	3.9459	0.0166	4.6730	0.1131	4.7861	1.1586	0.1041	1.2626		1,675.0945	1,675.0945	0.0106		1,675.3167
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	0.0383	0.0453	0.5671	1.3400e-003	0.1118	7.0000e-004	0.1125	0.0296	6.4000e-004	0.0303		110.9582	110.9582	4.7900e-003		111.0587
Total	0.3876	6.2262	4.5130	0.0180	4.7848	0.1138	4.8986	1.1882	0.1047	1.2929		1,786.0527	1,786.0527	0.0154		1,786.3754

3.28 Paving 1 - 2017**Unmitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	2.9451	33.5783	17.5545	0.0378		1.4486	1.4486		1.3327	1.3327		3,860.5983	3,860.5983	1.1829		3,885.4388
Paving	0.5293					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Total	3.4744	33.5783	17.5545	0.0378		1.4486	1.4486		1.3327	1.3327		3,860.5983	3,860.5983	1.1829		3,885.4388

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	0.3245	5.6555	3.7595	0.0166	0.4292	0.1040	0.5333	0.1169	0.0957	0.2126		1,646.7053	1,646.7053	0.0103		1,646.9223
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	0.0343	0.0406	0.5093	1.3400e-003	0.1118	6.8000e-004	0.1125	0.0296	6.3000e-004	0.0303		106.5656	106.5656	4.3900e-003		106.6578
Total	0.3588	5.6961	4.2688	0.0179	0.5410	0.1047	0.6457	0.1466	0.0963	0.2429		1,753.2709	1,753.2709	0.0147		1,753.5801

3.28 Paving 1 - 2017**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	0.7764	12.9503	19.9676	0.0378		0.5492	0.5492		0.5492	0.5492	0.0000	3,860.598 3	3,860.598 3	1.1829		3,885.438 8
Paving	0.5293					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Total	1.3057	12.9503	19.9676	0.0378		0.5492	0.5492		0.5492	0.5492	0.0000	3,860.598 3	3,860.598 3	1.1829		3,885.438 8

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	0.3245	5.6555	3.7595	0.0166	0.4292	0.1040	0.5333	0.1169	0.0957	0.2126		1,646.705 3	1,646.705 3	0.0103		1,646.922 3
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	0.0343	0.0406	0.5093	1.3400e-003	0.1118	6.8000e-004	0.1125	0.0296	6.3000e-004	0.0303		106.5656	106.5656	4.3900e-003		106.6578
Total	0.3588	5.6961	4.2688	0.0179	0.5410	0.1047	0.6457	0.1466	0.0963	0.2429		1,753.270 9	1,753.270 9	0.0147		1,753.580 1

3.29 Roofing & Overhead Work 4 - 2016**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	1.9532	24.8275	14.3833	0.0291		1.0194	1.0194		0.9379	0.9379		3,017.0957	3,017.0957	0.9101		3,036.2070
Total	1.9532	24.8275	14.3833	0.0291		1.0194	1.0194		0.9379	0.9379		3,017.0957	3,017.0957	0.9101		3,036.2070

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	3.2352	34.9089	36.5550	0.0875	2.6173	0.6776	3.2949	0.7476	0.6231	1.3707		8,789.2554	8,789.2554	0.0572		8,790.4563
Worker	0.1533	0.1810	2.2684	5.3700e-003	0.4471	2.8000e-003	0.4499	0.1186	2.5700e-003	0.1211		443.8327	443.8327	0.0191		444.2347
Total	3.3884	35.0899	38.8235	0.0929	3.0644	0.6804	3.7448	0.8662	0.6257	1.4918		9,233.0881	9,233.0881	0.0763		9,234.6910

3.29 Roofing & Overhead Work 4 - 2016**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	0.6549	4.7424	13.9381	0.0291		0.2713	0.2713		0.2529	0.2529	0.0000	3,017.0957	3,017.0957	0.9101		3,036.2070
Total	0.6549	4.7424	13.9381	0.0291		0.2713	0.2713		0.2529	0.2529	0.0000	3,017.0957	3,017.0957	0.9101		3,036.2070

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	3.2352	34.9089	36.5550	0.0875	2.6173	0.6776	3.2949	0.7476	0.6231	1.3707		8,789.2554	8,789.2554	0.0572		8,790.4563
Worker	0.1533	0.1810	2.2684	5.3700e-003	0.4471	2.8000e-003	0.4499	0.1186	2.5700e-003	0.1211		443.8327	443.8327	0.0191		444.2347
Total	3.3884	35.0899	38.8235	0.0929	3.0644	0.6804	3.7448	0.8662	0.6257	1.4918		9,233.0881	9,233.0881	0.0763		9,234.6910

3.29 Roofing & Overhead Work 4 - 2017**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	1.8355	22.9768	13.4999	0.0290		0.9319	0.9319		0.8573	0.8573		2,966.7690	2,966.7690	0.9090		2,985,8582
Total	1.8355	22.9768	13.4999	0.0290		0.9319	0.9319		0.8573	0.8573		2,966.7690	2,966.7690	0.9090		2,985,8582

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	2.9192	31.6630	34.1196	0.0874	2.6174	0.6072	3.2246	0.7476	0.5585	1.3061		8,640.8470	8,640.8470	0.0551		8,642.0043
Worker	0.1373	0.1624	2.0372	5.3600e-003	0.4471	2.7200e-003	0.4498	0.1186	2.5100e-003	0.1211		426.2625	426.2625	0.0176		426.6312
Total	3.0565	31.8253	36.1568	0.0927	3.0645	0.6100	3.6744	0.8662	0.5610	1.4272		9,067.1095	9,067.1095	0.0727		9,068.6355

3.29 Roofing & Overhead Work 4 - 2017**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	0.6303	4.5315	13.9135	0.0290		0.2489	0.2489		0.2324	0.2324	0.0000	2,966.7690	2,966.7690	0.9090		2,985.8582
Total	0.6303	4.5315	13.9135	0.0290		0.2489	0.2489		0.2324	0.2324	0.0000	2,966.7690	2,966.7690	0.9090		2,985.8582

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	2.9192	31.6630	34.1196	0.0874	2.6174	0.6072	3.2246	0.7476	0.5585	1.3061		8,640.8470	8,640.8470	0.0551		8,642.0043
Worker	0.1373	0.1624	2.0372	5.3600e-003	0.4471	2.7200e-003	0.4498	0.1186	2.5100e-003	0.1211		426.2625	426.2625	0.0176		426.6312
Total	3.0565	31.8253	36.1568	0.0927	3.0645	0.6100	3.6744	0.8662	0.5610	1.4272		9,067.1095	9,067.1095	0.0727		9,068.6355

3.30 Architectural Coating 4 - 2017**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	70.3674					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Off-Road	0.7600	9.9045	5.5622	0.0129		0.3625	0.3625		0.3335	0.3335		1,314.0950	1,314.0950	0.4026		1,322.5504
Total	71.1274	9.9045	5.5622	0.0129		0.3625	0.3625		0.3335	0.3335		1,314.0950	1,314.0950	0.4026		1,322.5504

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	0.7311	0.8647	10.8482	0.0286	2.3808	0.0145	2.3953	0.6314	0.0134	0.6448		2,269.8479	2,269.8479	0.0935		2,271.8114
Total	0.7311	0.8647	10.8482	0.0286	2.3808	0.0145	2.3953	0.6314	0.0134	0.6448		2,269.8479	2,269.8479	0.0935		2,271.8114

3.30 Architectural Coating 4 - 2017**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	70.3674					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Off-Road	0.1573	0.6818	5.7690	0.0129		0.0210	0.0210		0.0210	0.0210	0.0000	1,314.0950	1,314.0950	0.4026		1,322.5504
Total	70.5248	0.6818	5.7690	0.0129		0.0210	0.0210		0.0210	0.0210	0.0000	1,314.0950	1,314.0950	0.4026		1,322.5504

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	0.7311	0.8647	10.8482	0.0286	2.3808	0.0145	2.3953	0.6314	0.0134	0.6448		2,269.8479	2,269.8479	0.0935		2,271.8114
Total	0.7311	0.8647	10.8482	0.0286	2.3808	0.0145	2.3953	0.6314	0.0134	0.6448		2,269.8479	2,269.8479	0.0935		2,271.8114

3.31 Paving 4 - 2017**Unmitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	2.1245	24.1267	12.9756	0.0271		1.0924	1.0924		1.0050	1.0050		2,766.6324	2,766.6324	0.8477		2,784.4339
Paving	1.3085					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Total	3.4330	24.1267	12.9756	0.0271		1.0924	1.0924		1.0050	1.0050		2,766.6324	2,766.6324	0.8477		2,784.4339

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	0.1619	2.8219	1.8759	8.2700e-003	0.2030	0.0519	0.2550	0.0556	0.0478	0.1034		821.6560	821.6560	5.1600e-003		821.7643
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	0.0275	0.0325	0.4075	1.0700e-003	0.0894	5.4000e-004	0.0900	0.0237	5.0000e-004	0.0242		85.2525	85.2525	3.5100e-003		85.3263
Total	0.1894	2.8544	2.2833	9.3400e-003	0.2925	0.0525	0.3449	0.0793	0.0483	0.1276		906.9085	906.9085	8.6700e-003		907.0906

3.31 Paving 4 - 2017**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	0.5097	7.7946	14.1898	0.0271		0.3537	0.3537		0.3537	0.3537	0.0000	2,766.632 4	2,766.632 4	0.8477		2,784.433 9
Paving	1.3085					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Total	1.8183	7.7946	14.1898	0.0271		0.3537	0.3537		0.3537	0.3537	0.0000	2,766.632 4	2,766.632 4	0.8477		2,784.433 9

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	0.1619	2.8219	1.8759	8.2700e-003	0.2030	0.0519	0.2550	0.0556	0.0478	0.1034		821.6560	821.6560	5.1600e-003		821.7643
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	0.0275	0.0325	0.4075	1.0700e-003	0.0894	5.4000e-004	0.0900	0.0237	5.0000e-004	0.0242		85.2525	85.2525	3.5100e-003		85.3263
Total	0.1894	2.8544	2.2833	9.3400e-003	0.2925	0.0525	0.3449	0.0793	0.0483	0.1276		906.9085	906.9085	8.6700e-003		907.0906

3.32 Misc. Finishes 4 - 2017**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	0.8148	10.8150	6.3939	0.0143		0.3832	0.3832		0.3525	0.3525		1,459.550 1	1,459.550 1	0.4472		1,468.941 4
Total	0.8148	10.8150	6.3939	0.0143		0.3832	0.3832		0.3525	0.3525		1,459.550 1	1,459.550 1	0.4472		1,468.941 4

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	2.9192	31.6630	34.1196	0.0874	2.6174	0.6072	3.2246	0.7476	0.5585	1.3061		8,640.847 0	8,640.847 0	0.0551		8,642.004 3
Worker	0.1373	0.1624	2.0372	5.3600e-003	0.4471	2.7200e-003	0.4498	0.1186	2.5100e-003	0.1211		426.2625	426.2625	0.0176		426.6312
Total	3.0565	31.8253	36.1568	0.0927	3.0645	0.6100	3.6744	0.8662	0.5610	1.4272		9,067.109 5	9,067.109 5	0.0727		9,068.635 5

3.32 Misc. Finishes 4 - 2017**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	0.2122	1.5923	6.6007	0.0143		0.0417	0.0417		0.0400	0.0400	0.0000	1,459.550 1	1,459.550 1	0.4472		1,468.941 4
Total	0.2122	1.5923	6.6007	0.0143		0.0417	0.0417		0.0400	0.0400	0.0000	1,459.550 1	1,459.550 1	0.4472		1,468.941 4

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	2.9192	31.6630	34.1196	0.0874	2.6174	0.6072	3.2246	0.7476	0.5585	1.3061		8,640.847 0	8,640.847 0	0.0551		8,642.004 3
Worker	0.1373	0.1624	2.0372	5.3600e-003	0.4471	2.7200e-003	0.4498	0.1186	2.5100e-003	0.1211		426.2625	426.2625	0.0176		426.6312
Total	3.0565	31.8253	36.1568	0.0927	3.0645	0.6100	3.6744	0.8662	0.5610	1.4272		9,067.109 5	9,067.109 5	0.0727		9,068.635 5

3.33 Misc. Finishes 1 - 2017**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	1.6297	21.6300	12.7878	0.0286		0.7663	0.7663		0.7050	0.7050		2,919.1003	2,919.1003	0.8944		2,937.8828
Total	1.6297	21.6300	12.7878	0.0286		0.7663	0.7663		0.7050	0.7050		2,919.1003	2,919.1003	0.8944		2,937.8828

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	2.9192	31.6630	34.1196	0.0874	2.6174	0.6072	3.2246	0.7476	0.5585	1.3061		8,640.8470	8,640.8470	0.0551		8,642.0043
Worker	0.4290	0.5075	6.3663	0.0168	1.3972	8.4900e-003	1.4057	0.3706	7.8400e-003	0.3784		1,332.0704	1,332.0704	0.0549		1,333.2226
Total	3.3482	32.1704	40.4859	0.1041	4.0146	0.6157	4.6303	1.1182	0.5663	1.6845		9,972.9174	9,972.9174	0.1100		9,975.2269

3.33 Misc. Finishes 1 - 2017**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	0.4244	3.1847	13.2014	0.0286		0.0834	0.0834		0.0801	0.0801	0.0000	2,919.1003	2,919.1003	0.8944		2,937.8828
Total	0.4244	3.1847	13.2014	0.0286		0.0834	0.0834		0.0801	0.0801	0.0000	2,919.1003	2,919.1003	0.8944		2,937.8828

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	2.9192	31.6630	34.1196	0.0874	2.6174	0.6072	3.2246	0.7476	0.5585	1.3061		8,640.8470	8,640.8470	0.0551		8,642.0043
Worker	0.4290	0.5075	6.3663	0.0168	1.3972	8.4900e-003	1.4057	0.3706	7.8400e-003	0.3784		1,332.0704	1,332.0704	0.0549		1,333.2226
Total	3.3482	32.1704	40.4859	0.1041	4.0146	0.6157	4.6303	1.1182	0.5663	1.6845		9,972.9174	9,972.9174	0.1100		9,975.2269

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	0.0000	0.0000	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	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000

4.2 Trip Summary Information

Land Use	Average Daily Trip Rate			Unmitigated	Mitigated
	Weekday	Saturday	Sunday	Annual VMT	Annual VMT
General Light Industry	0.00	0.00	0.00		
Parking Lot	0.00	0.00	0.00		
Unrefrigerated Warehouse-No Rail	0.00	0.00	0.00		
Total	0.00	0.00	0.00		

4.3 Trip Type Information

Land Use	Miles			Trip %			Trip Purpose %		
	H-W or C-W	H-S or C-C	H-O or C-NW	H-W or C-W	H-S or C-C	H-O or C-NW	Primary	Diverted	Pass-by
General Light Industry	16.60	8.40	6.90	59.00	28.00	13.00	92	5	3
Parking Lot	16.60	8.40	6.90	0.00	0.00	0.00	0	0	0
Unrefrigerated Warehouse-No Rail	16.60	8.40	6.90	59.00	0.00	41.00	92	5	3

LDA	LDT1	LDT2	MDV	LHD1	LHD2	MHD	HHD	OBUS	UBUS	MCY	SBUS	MH
0.000000	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000

5.0 Energy Detail

5.1 Fleet Mix

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					
Parking Lot	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Unrefrigerated Warehouse-No Pail	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
General Light Industry	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					
Parking Lot	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Unrefrigerated Warehouse-No Pail	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
General Light Industry	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	50.2645	3.6800e-003	0.3886	3.0000e-005		1.4000e-003	1.4000e-003		1.4000e-003	1.4000e-003		0.8175	0.8175	2.2800e-003		0.8653
Unmitigated	50.2645	3.6800e-003	0.3886	3.0000e-005		1.4000e-003	1.4000e-003		1.4000e-003	1.4000e-003		0.8175	0.8175	2.2800e-003		0.8653

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	0.0000					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Consumer Products	50.2270					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Landscaping	0.0375	3.6800e-003	0.3886	3.0000e-005		1.4000e-003	1.4000e-003		1.4000e-003	1.4000e-003		0.8175	0.8175	2.2800e-003		0.8653
Total	50.2645	3.6800e-003	0.3886	3.0000e-005		1.4000e-003	1.4000e-003		1.4000e-003	1.4000e-003		0.8175	0.8175	2.2800e-003		0.8653

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	0.0000					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Consumer Products	50.2270					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Landscaping	0.0375	3.6800e-003	0.3886	3.0000e-005		1.4000e-003	1.4000e-003		1.4000e-003	1.4000e-003		0.8175	0.8175	2.2800e-003		0.8653
Total	50.2645	3.6800e-003	0.3886	3.0000e-005		1.4000e-003	1.4000e-003		1.4000e-003	1.4000e-003		0.8175	0.8175	2.2800e-003		0.8653

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 Vegetation

MoVal Logistics Center- Construction
Riverside-South Coast County, Winter

1.0 Project Characteristics

1.1 Land Usage

Land Uses	Size	Metric	Lot Acreage	Floor Surface Area	Population
General Light Industry	385.75	1000sqft	16.70	385,748.00	0
Unrefrigerated Warehouse-No Rail	1,351.77	1000sqft	50.14	1,351,770.00	0
Parking Lot	1,998.00	Space	17.98	799,200.00	0

1.2 Other Project Characteristics

Urbanization	Urban	Wind Speed (m/s)	2.4	Precipitation Freq (Days)	28
Climate Zone	10			Operational Year	2017
Utility Company	Southern California Edison				
CO2 Intensity (lb/MW hr)	515.47	CH4 Intensity (lb/MW hr)	0.029	N2O Intensity (lb/MW hr)	0.006

1.3 User Entered Comments & Non-Default Data

Project Characteristics - CPUC GHG Calculator version 3c, worksheet tab "CO2 Allocations," cells AH/AQ 35-44.

Land Use - Total Lot Acreage:84.82; A trailer parking space requires significantly more space than one regular parking space. Therefore, for analysis purposes, 1 trailer parking=3.27 parking spaces.

Construction Phase - Based on client specifications

Off-road Equipment - Based on client specifications

Off-road Equipment - Based on client specifications

Off-road Equipment - Based on client specifications

Off-road Equipment - Based on client specifications

Off-road Equipment - Based on client specifications

Off-road Equipment - Based on client specifications

Off-road Equipment - Based on client specifications

Off-road Equipment - Based on client specifications

Off-road Equipment - Based on client specifications

Off-road Equipment - Based on client specifications

Off-road Equipment - Based on client specifications

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Off-road Equipment - Based on client specifications

Off-road Equipment - Based on client specifications

Off-road Equipment - Based on client specifications

Off-road Equipment - Based on client specifications

Off-road Equipment - Based on client specifications

Off-road Equipment - Based on client specifications

Off-road Equipment - Based on client specifications

Trips and VMT - Based on client specifications

Grading -

Architectural Coating - Based on client specifications

Vehicle Trips - Construction run only

Vehicle Emission Factors - Construction run only

Vehicle Emission Factors - Construction run only

Vehicle Emission Factors - Construction run only

Road Dust - Construction run only

Consumer Products - Construction run only

Area Coating - Construction run only

Landscape Equipment - Construction run only

Energy Use - Construction run only

Water And Wastewater - Construction run only

Solid Waste - Construction run only

Construction Off-road Equipment Mitigation - Based on client specifications

Table Name	Column Name	Default Value	New Value
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tblArchitecturalCoating	ConstArea_Nonresidential_Exterior	880,747.00	43,746.00
tblArchitecturalCoating	ConstArea_Nonresidential_Exterior	880,747.00	60,727.00
tblArchitecturalCoating	ConstArea_Nonresidential_Exterior	880,747.00	51,832.00
tblArchitecturalCoating	ConstArea_Nonresidential_Interior	2,642,241.00	243,073.00
tblArchitecturalCoating	ConstArea_Nonresidential_Interior	2,642,241.00	43,746.00
tblArchitecturalCoating	ConstArea_Nonresidential_Interior	2,642,241.00	60,727.00
tblArchitecturalCoating	ConstArea_Nonresidential_Interior	2,642,241.00	51,832.00
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tblConstEquipMitigation	Tier	No Change	Tier 4 Final
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tblConstEquipMitigation	Tier	No Change	Tier 4 Final
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tblConstructionPhase	NumDays	1,550.00	23.00
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[illegible]

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[illegible]

[illegible]

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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					
2016	248.0490	578.6604	439.0475	0.9590	23.2902	20.9103	38.3235	6.5022	19.2366	23.1785	0.0000	96,816.4476	96,816.4476	15.6858	0.0000	97,145.8484
2017	241.7437	287.4535	253.3370	0.5849	16.3290	9.2377	25.5667	4.4853	8.4983	12.9836	0.0000	57,026.9360	57,026.9360	7.3328	0.0000	57,180.9242
Total	489.7927	866.1139	692.3845	1.5439	39.6191	30.1480	63.8902	10.9875	27.7349	36.1621	0.0000	153,843.3837	153,843.3837	23.0185	0.0000	154,326.7726

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					
2016	236.1528	295.9420	446.7597	0.9590	23.2902	8.0600	30.3974	6.5022	7.6585	13.1163	0.0000	96,816.4476	96,816.4476	15.6858	0.0000	97,145.8484
2017	231.9339	149.0440	259.2390	0.5849	16.3290	3.8435	20.1725	4.4853	3.6264	8.1117	0.0000	57,026.9360	57,026.9360	7.3328	0.0000	57,180.9242
Total	468.0867	444.9860	705.9987	1.5439	39.6191	11.9036	50.5700	10.9875	11.2849	21.2280	0.0000	153,843.3836	153,843.3836	23.0185	0.0000	154,326.7726

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N2O	CO2e
Percent Reduction	4.43	48.62	-1.97	0.00	0.00	60.52	20.85	0.00	59.31	41.30	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	50.2645	3.6800e-003	0.3886	3.0000e-005		1.4000e-003	1.4000e-003		1.4000e-003	1.4000e-003		0.8175	0.8175	2.2800e-003		0.8653
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	0.0000	0.0000	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	50.2645	3.6800e-003	0.3886	3.0000e-005	0.0000	1.4000e-003	1.4000e-003	0.0000	1.4000e-003	1.4000e-003		0.8175	0.8175	2.2800e-003	0.0000	0.8653

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	50.2645	3.6800e-003	0.3886	3.0000e-005		1.4000e-003	1.4000e-003		1.4000e-003	1.4000e-003		0.8175	0.8175	2.2800e-003		0.8653
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	0.0000	0.0000	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	50.2645	3.6800e-003	0.3886	3.0000e-005	0.0000	1.4000e-003	1.4000e-003	0.0000	1.4000e-003	1.4000e-003		0.8175	0.8175	2.2800e-003	0.0000	0.8653

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N2O	CO2e
Percent Reduction	0.00	0.00	0.00	0.00	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	Grading 1	Grading	4/29/2016	6/30/2016	5	45	
2	Grading 2	Grading	7/1/2016	7/20/2016	5	14	
3	Trenching 1	Trenching	7/1/2016	11/15/2016	5	98	
4	Concrete Shell 1	Building Construction	7/1/2016	10/24/2016	5	82	
5	Trenching 2	Trenching	7/15/2016	8/31/2016	5	34	
6	Concrete Shell 2	Building Construction	7/22/2016	9/29/2016	5	50	
7	Grading 3	Grading	8/4/2016	8/19/2016	5	12	
8	Trenching 3	Trenching	8/15/2016	9/28/2016	5	33	
9	Grading 4	Grading	8/22/2016	9/14/2016	5	18	
10	Concrete Shell 3	Building Construction	8/22/2016	10/25/2016	5	47	
11	Trenching 4	Trenching	9/8/2016	10/26/2016	5	35	
12	Concrete Shell 4	Building Construction	9/15/2016	11/23/2016	5	50	
13	Steel & Roof 1	Building Construction	9/30/2016	12/5/2016	5	47	
14	Steel & Roof 2	Building Construction	9/30/2016	10/31/2016	5	22	
15	Steel & Roof 3	Building Construction	10/26/2016	11/22/2016	5	20	
16	Roofing & Overhead Work 2	Building Construction	10/28/2016	11/29/2016	5	23	
17	Roofing & Overhead Work 1	Building Construction	11/1/2016	1/5/2017	5	48	
18	Paving 2	Paving	11/8/2016	12/15/2016	5	28	
19	Architectural Coating 2	Architectural Coating	11/14/2016	12/7/2016	5	18	

20	Misc. Finishes 2	Building Construction	11/18/2016	12/29/2016	5	30
21	Roofing & Overhead Work 3	Building Construction	11/23/2016	12/22/2016	5	22
22	Steel & Roof 4	Building Construction	11/24/2016	12/26/2016	5	23
23	Paving 3	Paving	12/2/2016	1/10/2017	5	28
24	Architectural Coating 1	Architectural Coating	12/7/2016	1/30/2017	5	39
25	Misc. Finishes 3	Building Construction	12/8/2016	1/17/2017	5	29
26	Architectural Coating 3	Architectural Coating	12/8/2016	1/2/2017	5	18
27	Paving 1	Paving	12/23/2016	4/26/2017	5	89
28	Roofing & Overhead Work 4	Building Construction	12/27/2016	1/27/2017	5	24
29	Architectural Coating 4	Architectural Coating	1/11/2017	2/7/2017	5	20
30	Paving 4	Paving	1/12/2017	3/2/2017	5	36
31	Misc. Finishes 4	Building Construction	1/17/2017	2/28/2017	5	31
32	Misc. Finishes 1	Building Construction	1/20/2017	4/20/2017	5	65

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: 51,832; Non-Residential Outdoor: 51,832 (Architectural Coating – sqft)

OffRoad Equipment

Phase Name	Offroad Equipment Type	Amount	Usage Hours	Horse Power	Load Factor
Grading 1	Crawler Tractors	1	8.00	410	0.43
Grading 1	Excavators	0	8.00	162	0.38
Grading 1	Graders	1	8.00	302	0.41
Grading 1	Off-Highway Tractors	2	8.00	485	0.44
Grading 1	Other Construction Equipment	2	8.00	354	0.44
Grading 1	Other General Industrial Equipment	3	8.00	330	0.37

Grading 1	Rubber Tired Dozers	1	8.00	451	0.40
Grading 1	Rubber Tired Loaders	1	8.00	350	0.36
Grading 1	Scrapers	8	8.00	452	0.48
Grading 1	Tractors/Loaders/Backhoes	0	8.00	97	0.37
Grading 2	Cranes	0	7.00	226	0.29
Grading 2	Crawler Tractors	1	8.00	410	0.43
Grading 2	Excavators	0	8.00	162	0.38
Grading 2	Forklifts	0	8.00	89	0.20
Grading 2	Generator Sets	0	8.00	84	0.74
Grading 2	Graders	1	8.00	302	0.41
Grading 2	Other Construction Equipment	1	8.00	354	0.42
Grading 2	Other General Industrial Equipment	1	8.00	330	0.37
Grading 2	Pavers	0	8.00	125	0.42
Grading 2	Paving Equipment	0	8.00	49	0.36
Grading 2	Rollers	0	8.00	80	0.38
Grading 2	Rubber Tired Dozers	0	8.00	255	0.40
Grading 2	Rubber Tired Loaders	1	8.00	350	0.36
Grading 2	Scrapers	3	8.00	452	0.48
Grading 2	Tractors/Loaders/Backhoes	0	8.00	110	0.37
Grading 2	Welders	0	8.00	46	0.45
Trenching 1	Excavators	2	8.00	268	0.38
Trenching 1	Other Construction Equipment	2	8.00	354	0.42
Trenching 1	Other Material Handling Equipment	2	8.00	249	0.40
Trenching 1	Rubber Tired Loaders	2	8.00	350	0.36
Trenching 1	Tractors/Loaders/Backhoes	2	8.00	110	0.37
Concrete Shell 1	Cranes	0	7.00	226	0.29
Concrete Shell 1	Excavators	0	8.00	268	0.38
Concrete Shell 1	Forklifts	0	8.00	89	0.20

Concrete Shell 1	Generator Sets	0	8.00	84	0.74
Concrete Shell 1	Other Construction Equipment	5	8.00	354	0.42
Concrete Shell 1	Other Material Handling Equipment	0	8.00	249	0.43
Concrete Shell 1	Pavers	0	8.00	125	0.42
Concrete Shell 1	Paving Equipment	0	8.00	49	0.36
Concrete Shell 1	Rollers	0	8.00	80	0.38
Concrete Shell 1	Rubber Tired Loaders	0	8.00	350	0.36
Concrete Shell 1	Surfacing Equipment	0	8.00	350	0.30
Concrete Shell 1	Tractors/Loaders/Backhoes	4	8.00	110	0.37
Concrete Shell 1	Welders	0	8.00	46	0.45
Trenching 2	Excavators	1	8.00	268	0.38
Trenching 2	Other Construction Equipment	1	8.00	354	0.42
Trenching 2	Other Material Handling Equipment	1	8.00	249	0.43
Trenching 2	Rubber Tired Loaders	1	8.00	350	0.36
Trenching 2	Tractors/Loaders/Backhoes	1	8.00	110	0.37
Concrete Shell 2	Air Compressors	0	6.00	78	0.48
Concrete Shell 2	Cranes	0	7.00	226	0.29
Concrete Shell 2	Forklifts	0	8.00	89	0.20
Concrete Shell 2	Generator Sets	0	8.00	84	0.74
Concrete Shell 2	Other Construction Equipment	4	8.00	354	0.42
Concrete Shell 2	Tractors/Loaders/Backhoes	2	8.00	110	0.37
Concrete Shell 2	Welders	0	8.00	46	0.45
Grading 3	Air Compressors	0	6.00	78	0.48
Grading 3	Cranes	0	8.00	215	0.29
Grading 3	Crawler Tractors	1	8.00	410	0.43
Grading 3	Excavators	0	8.00	162	0.38
Grading 3	Forklifts	0	8.00	89	0.20
Grading 3	Generator Sets	0	8.00	84	0.74

Grading 3	Graders	1	8.00	302	0.41
Grading 3	Off-Highway Tractors	0	8.00	485	0.44
Grading 3	Other Construction Equipment	1	8.00	354	0.42
Grading 3	Other General Industrial Equipment	1	8.00	330	0.34
Grading 3	Rubber Tired Dozers	0	8.00	255	0.40
Grading 3	Rubber Tired Loaders	1	8.00	350	0.36
Grading 3	Scrapers	3	8.00	452	0.48
Grading 3	Surfacing Equipment	0	8.00	350	0.30
Grading 3	Tractors/Loaders/Backhoes	0	8.00	97	0.37
Grading 3	Welders	0	8.00	46	0.45
Trenching 3	Excavators	1	8.00	268	0.38
Trenching 3	Other Construction Equipment	1	8.00	354	0.42
Trenching 3	Other Material Handling Equipment	1	8.00	249	0.43
Trenching 3	Rubber Tired Loaders	1	8.00	350	0.36
Trenching 3	Tractors/Loaders/Backhoes	1	8.00	110	0.37
Grading 4	Aerial Lifts	0	8.00	48	0.31
Grading 4	Cranes	0	8.00	215	0.29
Grading 4	Crawler Tractors	1	8.00	410	0.43
Grading 4	Excavators	0	8.00	162	0.38
Grading 4	Forklifts	0	8.00	110	0.20
Grading 4	Generator Sets	0	8.00	84	0.74
Grading 4	Graders	1	8.00	302	0.41
Grading 4	Other Construction Equipment	1	8.00	354	0.42
Grading 4	Other General Industrial Equipment	1	8.00	330	0.34
Grading 4	Rubber Tired Dozers	0	8.00	255	0.40
Grading 4	Rubber Tired Loaders	1	8.00	350	0.36
Grading 4	Scrapers	3	8.00	452	0.48
Grading 4	Tractors/Loaders/Backhoes	0	8.00	110	0.37

Grading 4	Welders	0	8.00	46	0.45
Concrete Shell 3	Cranes	0	7.00	226	0.29
Concrete Shell 3	Forklifts	0	8.00	89	0.20
Concrete Shell 3	Generator Sets	0	8.00	84	0.74
Concrete Shell 3	Other Construction Equipment	4	8.00	354	0.42
Concrete Shell 3	Tractors/Loaders/Backhoes	2	8.00	110	0.37
Concrete Shell 3	Welders	0	8.00	46	0.45
Trenching 4	Excavators	1	8.00	268	0.38
Trenching 4	Other Construction Equipment	1	8.00	354	0.42
Trenching 4	Other Material Handling Equipment	1	8.00	249	0.40
Trenching 4	Rubber Tired Loaders	1	8.00	350	0.36
Trenching 4	Tractors/Loaders/Backhoes	1	8.00	110	0.37
Concrete Shell 4	Air Compressors	0	6.00	78	0.48
Concrete Shell 4	Cranes	0	7.00	226	0.29
Concrete Shell 4	Excavators	0	8.00	268	0.38
Concrete Shell 4	Forklifts	0	8.00	89	0.20
Concrete Shell 4	Generator Sets	0	8.00	84	0.74
Concrete Shell 4	Other Construction Equipment	4	8.00	354	0.42
Concrete Shell 4	Other Material Handling Equipment	0	8.00	249	0.40
Concrete Shell 4	Rubber Tired Loaders	0	8.00	350	0.36
Concrete Shell 4	Tractors/Loaders/Backhoes	2	8.00	110	0.37
Concrete Shell 4	Welders	0	8.00	46	0.45
Steel & Roof 1	Aerial Lifts	0	8.00	48	0.31
Steel & Roof 1	Air Compressors	0	6.00	78	0.48
Steel & Roof 1	Cranes	2	8.00	215	0.29
Steel & Roof 1	Forklifts	0	8.00	89	0.20
Steel & Roof 1	Forklifts	0	8.00	89	0.20
Steel & Roof 1	Generator Sets	0	8.00	84	0.74

Steel & Roof 1	Other Construction Equipment	3	8.00	354	0.42
Steel & Roof 1	Pavers	0	8.00	125	0.42
Steel & Roof 1	Paving Equipment	0	8.00	130	0.36
Steel & Roof 1	Rollers	0	8.00	80	0.38
Steel & Roof 1	Rubber Tired Loaders	0	8.00	350	0.36
Steel & Roof 1	Tractors/Loaders/Backhoes	0	7.00	97	0.37
Steel & Roof 1	Trenchers	0	8.00	81	0.50
Steel & Roof 1	Welders	0	8.00	46	0.45
Steel & Roof 2	Aerial Lifts	0	8.00	48	0.31
Steel & Roof 2	Air Compressors	0	6.00	78	0.48
Steel & Roof 2	Cranes	1	8.00	215	0.29
Steel & Roof 2	Crawler Tractors	0	8.00	410	0.43
Steel & Roof 2	Excavators	0	8.00	162	0.38
Steel & Roof 2	Forklifts	0	8.00	89	0.20
Steel & Roof 2	Forklifts	0	8.00	89	0.20
Steel & Roof 2	Generator Sets	0	8.00	84	0.74
Steel & Roof 2	Graders	0	8.00	302	0.41
Steel & Roof 2	Off-Highway Tractors	0	8.00	485	0.44
Steel & Roof 2	Other Construction Equipment	2	8.00	354	0.42
Steel & Roof 2	Rubber Tired Dozers	0	8.00	255	0.40
Steel & Roof 2	Scrapers	0	8.00	452	0.48
Steel & Roof 2	Surfacing Equipment	0	8.00	350	0.30
Steel & Roof 2	Tractors/Loaders/Backhoes	0	7.00	97	0.37
Steel & Roof 2	Welders	0	8.00	46	0.45
Steel & Roof 3	Aerial Lifts	0	8.00	48	0.31
Steel & Roof 3	Cranes	1	8.00	215	0.29
Steel & Roof 3	Forklifts	0	8.00	110	0.20
Steel & Roof 3	Generator Sets	0	8.00	84	0.74

Steel & Roof 3	Other Construction Equipment	2	8.00	354	0.42
Steel & Roof 3	Tractors/Loaders/Backhoes	0	8.00	110	0.37
Steel & Roof 3	Welders	0	8.00	46	0.45
Roofing & Overhead Work 2	Aerial Lifts	1	8.00	48	0.31
Roofing & Overhead Work 2	Air Compressors	0	6.00	78	0.48
Roofing & Overhead Work 2	Cranes	0	8.00	215	0.29
Roofing & Overhead Work 2	Crawler Tractors	0	8.00	249	0.43
Roofing & Overhead Work 2	Excavators	0	8.00	268	0.38
Roofing & Overhead Work 2	Forklifts	1	8.00	110	0.20
Roofing & Overhead Work 2	Generator Sets	0	8.00	84	0.74
Roofing & Overhead Work 2	Graders	0	8.00	302	0.41
Roofing & Overhead Work 2	Graders	0	8.00	302	0.41
Roofing & Overhead Work 2	Off-Highway Tractors	0	8.00	451	0.44
Roofing & Overhead Work 2	Other Construction Equipment	2	8.00	354	0.42
Roofing & Overhead Work 2	Other General Industrial Equipment	0	8.00	330	0.34
Roofing & Overhead Work 2	Pavers	0	8.00	125	0.42
Roofing & Overhead Work 2	Paving Equipment	0	8.00	130	0.36
Roofing & Overhead Work 2	Rollers	0	8.00	80	0.38
Roofing & Overhead Work 2	Rubber Tired Dozers	0	8.00	255	0.40
Roofing & Overhead Work 2	Rubber Tired Loaders	0	8.00	350	0.36
Roofing & Overhead Work 2	Scrapers	0	8.00	330	0.48
Roofing & Overhead Work 2	Tractors/Loaders/Backhoes	0	8.00	110	0.37
Roofing & Overhead Work 2	Welders	0	8.00	46	0.45
Roofing & Overhead Work 1	Aerial Lifts	3	8.00	48	0.31
Roofing & Overhead Work 1	Air Compressors	0	6.00	78	0.48
Roofing & Overhead Work 1	Cranes	0	8.00	215	0.29
Roofing & Overhead Work 1	Excavators	0	8.00	268	0.38
Roofing & Overhead Work 1	Forklifts	2	8.00	110	0.20

Roofing & Overhead Work 1	Generator Sets	0	8.00	84	0.74
Roofing & Overhead Work 1	Other Construction Equipment	3	8.00	354	0.42
Roofing & Overhead Work 1	Other Material Handling Equipment	0	8.00	249	0.43
Roofing & Overhead Work 1	Rubber Tired Loaders	0	8.00	350	0.36
Roofing & Overhead Work 1	Tractors/Loaders/Backhoes	0	8.00	110	0.37
Roofing & Overhead Work 1	Welders	0	8.00	46	0.45
Paving 2	Aerial Lifts	0	8.00	48	0.31
Paving 2	Cranes	0	7.00	226	0.29
Paving 2	Crawler Tractors	0	8.00	249	0.43
Paving 2	Excavators	0	8.00	268	0.38
Paving 2	Forklifts	0	8.00	110	0.20
Paving 2	Generator Sets	0	8.00	84	0.74
Paving 2	Graders	0	8.00	174	0.41
Paving 2	Other Construction Equipment	1	8.00	354	0.42
Paving 2	Pavers	0	8.00	125	0.42
Paving 2	Paving Equipment	0	8.00	130	0.36
Paving 2	Rollers	0	8.00	80	0.38
Paving 2	Rubber Tired Dozers	0	8.00	255	0.40
Paving 2	Rubber Tired Loaders	1	8.00	350	0.36
Paving 2	Scrapers	0	8.00	361	0.48
Paving 2	Surfacing Equipment	0	8.00	350	0.30
Paving 2	Tractors/Loaders/Backhoes	0	8.00	110	0.37
Paving 2	Trenchers	1	8.00	81	0.50
Paving 2	Welders	0	8.00	46	0.45
Architectural Coating 2	Air Compressors	0	6.00	78	0.48
Architectural Coating 2	Other Construction Equipment	1	8.00	354	0.42
Misc. Finishes 2	Aerial Lifts	1	8.00	48	0.31
Misc. Finishes 2	Cranes	0	7.00	226	0.29

Misc. Finishes 2	Forklifts	0	8.00	89	0.20
Misc. Finishes 2	Generator Sets	0	8.00	84	0.74
Misc. Finishes 2	Other Construction Equipment	1	8.00	354	0.42
Misc. Finishes 2	Tractors/Loaders/Backhoes	0	7.00	97	0.37
Misc. Finishes 2	Welders	0	8.00	46	0.45
Roofing & Overhead Work 3	Aerial Lifts	1	8.00	48	0.31
Roofing & Overhead Work 3	Air Compressors	0	6.00	78	0.48
Roofing & Overhead Work 3	Cranes	0	7.00	226	0.29
Roofing & Overhead Work 3	Crawler Tractors	0	8.00	249	0.43
Roofing & Overhead Work 3	Excavators	0	8.00	268	0.38
Roofing & Overhead Work 3	Forklifts	1	8.00	110	0.20
Roofing & Overhead Work 3	Generator Sets	0	8.00	84	0.74
Roofing & Overhead Work 3	Other Construction Equipment	2	8.00	354	0.42
Roofing & Overhead Work 3	Rubber Tired Dozers	0	8.00	255	0.40
Roofing & Overhead Work 3	Surfacing Equipment	0	8.00	350	0.30
Roofing & Overhead Work 3	Tractors/Loaders/Backhoes	0	8.00	110	0.37
Roofing & Overhead Work 3	Welders	0	8.00	46	0.45
Steel & Roof 4	Cranes	1	8.00	215	0.29
Steel & Roof 4	Forklifts	0	8.00	89	0.20
Steel & Roof 4	Generator Sets	0	8.00	84	0.74
Steel & Roof 4	Other Construction Equipment	2	8.00	354	0.42
Steel & Roof 4	Tractors/Loaders/Backhoes	0	7.00	97	0.37
Steel & Roof 4	Welders	0	8.00	46	0.45
Paving 3	Other Construction Equipment	1	8.00	354	0.42
Paving 3	Pavers	0	8.00	125	0.42
Paving 3	Paving Equipment	0	8.00	130	0.36
Paving 3	Rollers	0	8.00	80	0.38
Paving 3	Rubber Tired Loaders	1	8.00	350	0.36

Paving 3	Trenchers	1	8.00	81	0.50
Architectural Coating 1	Air Compressors	0	6.00	78	0.48
Architectural Coating 1	Other Construction Equipment	4	8.00	354	0.42
Misc. Finishes 3	Aerial Lifts	1	8.00	48	0.31
Misc. Finishes 3	Cranes	0	7.00	226	0.29
Misc. Finishes 3	Forklifts	0	8.00	89	0.20
Misc. Finishes 3	Generator Sets	0	8.00	84	0.74
Misc. Finishes 3	Other Construction Equipment	1	8.00	354	0.42
Misc. Finishes 3	Tractors/Loaders/Backhoes	0	7.00	97	0.37
Misc. Finishes 3	Welders	0	8.00	46	0.45
Architectural Coating 3	Air Compressors	0	6.00	78	0.48
Architectural Coating 3	Other Construction Equipment	1	8.00	354	0.42
Paving 1	Other Construction Equipment	1	8.00	354	0.42
Paving 1	Pavers	0	8.00	125	0.42
Paving 1	Paving Equipment	0	8.00	130	0.36
Paving 1	Rollers	0	8.00	80	0.38
Paving 1	Rubber Tired Loaders	2	8.00	350	0.36
Paving 1	Trenchers	1	8.00	81	0.50
Roofing & Overhead Work 4	Aerial Lifts	1	8.00	48	0.31
Roofing & Overhead Work 4	Air Compressors	0	6.00	78	0.48
Roofing & Overhead Work 4	Concrete/Industrial Saws	0	8.00	81	0.73
Roofing & Overhead Work 4	Cranes	0	7.00	226	0.29
Roofing & Overhead Work 4	Crawler Tractors	0	8.00	410	0.43
Roofing & Overhead Work 4	Crawler Tractors	0	8.00	249	0.43
Roofing & Overhead Work 4	Excavators	0	8.00	162	0.38
Roofing & Overhead Work 4	Excavators	0	8.00	268	0.38
Roofing & Overhead Work 4	Forklifts	1	8.00	110	0.20
Roofing & Overhead Work 4	Generator Sets	0	8.00	84	0.74

Roofing & Overhead Work 4	Graders	0	8.00	302	0.41
Roofing & Overhead Work 4	Off-Highway Tractors	0	8.00	451	0.44
Roofing & Overhead Work 4	Off-Highway Tractors	0	8.00	485	0.44
Roofing & Overhead Work 4	Other Construction Equipment	2	8.00	354	0.42
Roofing & Overhead Work 4	Other General Industrial Equipment	0	8.00	330	0.37
Roofing & Overhead Work 4	Pavers	0	8.00	125	0.42
Roofing & Overhead Work 4	Paving Equipment	0	8.00	130	0.36
Roofing & Overhead Work 4	Rollers	0	8.00	80	0.38
Roofing & Overhead Work 4	Rubber Tired Dozers	0	8.00	451	0.40
Roofing & Overhead Work 4	Rubber Tired Loaders	0	8.00	350	0.37
Roofing & Overhead Work 4	Scrapers	0	8.00	452	0.48
Roofing & Overhead Work 4	Surfacing Equipment	0	8.00	350	0.30
Roofing & Overhead Work 4	Tractors/Loaders/Backhoes	0	8.00	97	0.37
Roofing & Overhead Work 4	Tractors/Loaders/Backhoes	0	8.00	110	0.37
Roofing & Overhead Work 4	Tractors/Loaders/Backhoes	0	7.00	97	0.37
Roofing & Overhead Work 4	Welders	0	8.00	46	0.45
Architectural Coating 4	Air Compressors	0	6.00	78	0.48
Architectural Coating 4	Other Construction Equipment	1	8.00	354	0.42
Paving 4	Other Construction Equipment	1	8.00	354	0.42
Paving 4	Pavers	0	8.00	125	0.42
Paving 4	Paving Equipment	0	8.00	130	0.36
Paving 4	Rollers	0	8.00	80	0.38
Paving 4	Rubber Tired Loaders	1	8.00	350	0.36
Paving 4	Trenchers	1	8.00	81	0.50
Misc. Finishes 4	Aerial Lifts	1	8.00	48	0.31
Misc. Finishes 4	Cranes	0	7.00	226	0.29
Misc. Finishes 4	Forklifts	0	8.00	89	0.20
Misc. Finishes 4	Generator Sets	0	8.00	84	0.74

Misc. Finishes 4	Other Construction Equipment	1	8.00	354	0.42
Misc. Finishes 4	Tractors/Loaders/Backhoes	0	7.00	97	0.37
Misc. Finishes 4	Welders	0	8.00	46	0.45
Misc. Finishes 1	Aerial Lifts	2	8.00	48	0.31
Misc. Finishes 1	Cranes	0	7.00	226	0.29
Misc. Finishes 1	Forklifts	0	8.00	89	0.20
Misc. Finishes 1	Generator Sets	0	8.00	84	0.74
Misc. Finishes 1	Other Construction Equipment	2	8.00	354	0.42
Misc. Finishes 1	Tractors/Loaders/Backhoes	0	7.00	97	0.37
Misc. Finishes 1	Welders	0	8.00	46	0.45

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
Grading 1	19	48.00	0.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Grading 2	8	20.00	0.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Trenching 1	10	25.00	0.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Concrete Shell 1	9	125.00	416.00	5,192.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Trenching 2	5	13.00	0.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Concrete Shell 2	6	40.00	416.00	687.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Grading 3	8	20.00	0.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Trenching 3	5	13.00	0.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Grading 4	8	20.00	0.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Concrete Shell 3	6	40.00	416.00	539.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Trenching 4	5	13.00	0.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Concrete Shell 4	6	40.00	416.00	879.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Steel & Roof 1	5	125.00	416.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Steel & Roof 2	3	40.00	416.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT

Steel & Roof 3	3	40.00	416.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Roofing & Overhead Work 2	4	40.00	416.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Roofing & Overhead Work 1	8	125.00	416.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Paving 2	3	8.00	0.00	364.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Architectural Coating 2	1	213.00	0.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Misc. Finishes 2	2	40.00	416.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Roofing & Overhead Work 3	4	40.00	416.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Steel & Roof 4	3	40.00	416.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Paving 3	3	8.00	0.00	389.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Architectural Coating 1	4	213.00	0.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Misc. Finishes 3	2	40.00	416.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Architectural Coating 3	1	213.00	0.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Paving 1	4	10.00	0.00	2,076.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Roofing & Overhead Work 4	4	40.00	416.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Architectural Coating 4	1	213.00	0.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Paving 4	3	8.00	0.00	419.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Misc. Finishes 4	2	40.00	416.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Misc. Finishes 1	4	125.00	416.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT

3.1 Mitigation Measures Construction

Use Cleaner Engines for Construction Equipment

Clean Paved Roads

3.2 Grading 1 - 2016**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					15.5666	0.0000	15.5666	4.3408	0.0000	4.3408			0.0000			0.0000
Off-Road	22.7740	284.8071	173.9787	0.2600		11.4365	11.4365		10.5216	10.5216		27,015.1809	27,015.1809	8.1487		27,186.3044
Total	22.7740	284.8071	173.9787	0.2600	15.5666	11.4365	27.0031	4.3408	10.5216	14.8624		27,015.1809	27,015.1809	8.1487		27,186.3044

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	0.1755	0.2314	2.3455	5.8800e-003	0.5365	3.3500e-003	0.5399	0.1423	3.0800e-003	0.1454		486.7137	486.7137	0.0230		487.1961
Total	0.1755	0.2314	2.3455	5.8800e-003	0.5365	3.3500e-003	0.5399	0.1423	3.0800e-003	0.1454		486.7137	486.7137	0.0230		487.1961

3.2 Grading 1 - 2016**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					15.5666	0.0000	15.5666	4.3408	0.0000	4.3408			0.0000			0.0000
Off-Road	5.9025	61.8452	133.4419	0.2600		2.4855	2.4855		2.3942	2.3942	0.0000	27,015.1809	27,015.1809	8.1487		27,186.3044
Total	5.9025	61.8452	133.4419	0.2600	15.5666	2.4855	18.0521	4.3408	2.3942	6.7350	0.0000	27,015.1809	27,015.1809	8.1487		27,186.3044

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	0.1755	0.2314	2.3455	5.8800e-003	0.5365	3.3500e-003	0.5399	0.1423	3.0800e-003	0.1454		486.7137	486.7137	0.0230		487.1961
Total	0.1755	0.2314	2.3455	5.8800e-003	0.5365	3.3500e-003	0.5399	0.1423	3.0800e-003	0.1454		486.7137	486.7137	0.0230		487.1961

3.3 Grading 2 - 2016**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					4.2420	0.0000	4.2420	0.4580	0.0000	0.4580			0.0000			0.0000
Off-Road	9.5729	120.5012	69.6816	0.1160		4.7379	4.7379		4.3589	4.3589		12,046.3077	12,046.3077	3.6336		12,122.6131
Total	9.5729	120.5012	69.6816	0.1160	4.2420	4.7379	8.9799	0.4580	4.3589	4.8169		12,046.3077	12,046.3077	3.6336		12,122.6131

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	0.0731	0.0964	0.9773	2.4500e-003	0.2236	1.4000e-003	0.2250	0.0593	1.2800e-003	0.0606		202.7974	202.7974	9.5700e-003		202.9984
Total	0.0731	0.0964	0.9773	2.4500e-003	0.2236	1.4000e-003	0.2250	0.0593	1.2800e-003	0.0606		202.7974	202.7974	9.5700e-003		202.9984

3.3 Grading 2 - 2016**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					4.2420	0.0000	4.2420	0.4580	0.0000	0.4580			0.0000			0.0000
Off-Road	1.8754	21.5998	55.2898	0.1160		0.7890	0.7890		0.7890	0.7890	0.0000	12,046.3077	12,046.3077	3.6336		12,122.6131
Total	1.8754	21.5998	55.2898	0.1160	4.2420	0.7890	5.0310	0.4580	0.7890	1.2470	0.0000	12,046.3077	12,046.3077	3.6336		12,122.6131

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	0.0731	0.0964	0.9773	2.4500e-003	0.2236	1.4000e-003	0.2250	0.0593	1.2800e-003	0.0606		202.7974	202.7974	9.5700e-003		202.9984
Total	0.0731	0.0964	0.9773	2.4500e-003	0.2236	1.4000e-003	0.2250	0.0593	1.2800e-003	0.0606		202.7974	202.7974	9.5700e-003		202.9984

3.4 Trenching 1 - 2016**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	6.2895	77.7646	37.2357	0.0888		3.1203	3.1203		2.8707	2.8707		9,219.1057	9,219.1057	2.7808		9,277.5027
Total	6.2895	77.7646	37.2357	0.0888		3.1203	3.1203		2.8707	2.8707		9,219.1057	9,219.1057	2.7808		9,277.5027

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	0.0914	0.1205	1.2216	3.0600e-003	0.2794	1.7500e-003	0.2812	0.0741	1.6100e-003	0.0757		253.4967	253.4967	0.0120		253.7480
Total	0.0914	0.1205	1.2216	3.0600e-003	0.2794	1.7500e-003	0.2812	0.0741	1.6100e-003	0.0757		253.4967	253.4967	0.0120		253.7480

3.4 Trenching 1 - 2016**Mitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	1.6622	24.8561	45.4748	0.0888		1.0530	1.0530		1.0530	1.0530	0.0000	9,219.1057	9,219.1057	2.7808		9,277.5027
Total	1.6622	24.8561	45.4748	0.0888		1.0530	1.0530		1.0530	1.0530	0.0000	9,219.1057	9,219.1057	2.7808		9,277.5027

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	0.0914	0.1205	1.2216	3.0600e-003	0.2794	1.7500e-003	0.2812	0.0741	1.6100e-003	0.0757		253.4967	253.4967	0.0120		253.7480
Total	0.0914	0.1205	1.2216	3.0600e-003	0.2794	1.7500e-003	0.2812	0.0741	1.6100e-003	0.0757		253.4967	253.4967	0.0120		253.7480

3.5 Concrete Shell 1 - 2016**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	5.5772	68.3870	40.9017	0.0785		3.1121	3.1121		2.8631	2.8631		8,151.1535	8,151.1535	2.4587		8,202.7857
Total	5.5772	68.3870	40.9017	0.0785		3.1121	3.1121		2.8631	2.8631		8,151.1535	8,151.1535	2.4587		8,202.7857

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	0.9868	17.4173	11.7817	0.0450	1.1045	0.3077	1.4122	0.3025	0.2830	0.5856		4,535.7892	4,535.7892	0.0292		4,536.4019
Vendor	3.4481	35.7856	41.5632	0.0869	2.6173	0.6836	3.3009	0.7476	0.6287	1.3763		8,713.1896	8,713.1896	0.0591		8,714.4311
Worker	0.4569	0.6025	6.1081	0.0153	1.3972	8.7300e-003	1.4059	0.3706	8.0300e-003	0.3786		1,267.4836	1,267.4836	0.0598		1,268.7399
Total	4.8918	53.8053	59.4530	0.1471	5.1190	1.0001	6.1191	1.4207	0.9197	2.3404		14,516.4625	14,516.4625	0.1481		14,519.5729

3.5 Concrete Shell 1 - 2016**Mitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	1.1312	11.2763	39.4687	0.0785		0.6562	0.6562		0.6562	0.6562	0.0000	8,151.1535	8,151.1535	2.4587		8,202.7857
Total	1.1312	11.2763	39.4687	0.0785		0.6562	0.6562		0.6562	0.6562	0.0000	8,151.1535	8,151.1535	2.4587		8,202.7857

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	0.9868	17.4173	11.7817	0.0450	1.1045	0.3077	1.4122	0.3025	0.2830	0.5856		4,535.7892	4,535.7892	0.0292		4,536.4019
Vendor	3.4481	35.7856	41.5632	0.0869	2.6173	0.6836	3.3009	0.7476	0.6287	1.3763		8,713.1896	8,713.1896	0.0591		8,714.4311
Worker	0.4569	0.6025	6.1081	0.0153	1.3972	8.7300e-003	1.4059	0.3706	8.0300e-003	0.3786		1,267.4836	1,267.4836	0.0598		1,268.7399
Total	4.8918	53.8053	59.4530	0.1471	5.1190	1.0001	6.1191	1.4207	0.9197	2.3404		14,516.4625	14,516.4625	0.1481		14,519.5729

3.6 Trenching 2 - 2016**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	3.1973	39.5669	18.8343	0.0450		1.5850	1.5850		1.4582	1.4582		4,676.1560	4,676.1560	1.4105		4,705.7764
Total	3.1973	39.5669	18.8343	0.0450		1.5850	1.5850		1.4582	1.4582		4,676.1560	4,676.1560	1.4105		4,705.7764

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	0.0475	0.0627	0.6352	1.5900e-003	0.1453	9.1000e-004	0.1462	0.0385	8.4000e-004	0.0394		131.8183	131.8183	6.2200e-003		131.9490
Total	0.0475	0.0627	0.6352	1.5900e-003	0.1453	9.1000e-004	0.1462	0.0385	8.4000e-004	0.0394		131.8183	131.8183	6.2200e-003		131.9490

3.6 Trenching 2 - 2016**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	0.8390	12.4623	23.0273	0.0450		0.5275	0.5275		0.5275	0.5275	0.0000	4,676.1560	4,676.1560	1.4105		4,705.7764
Total	0.8390	12.4623	23.0273	0.0450		0.5275	0.5275		0.5275	0.5275	0.0000	4,676.1560	4,676.1560	1.4105		4,705.7764

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	0.0475	0.0627	0.6352	1.5900e-003	0.1453	9.1000e-004	0.1462	0.0385	8.4000e-004	0.0394		131.8183	131.8183	6.2200e-003		131.9490
Total	0.0475	0.0627	0.6352	1.5900e-003	0.1453	9.1000e-004	0.1462	0.0385	8.4000e-004	0.0394		131.8183	131.8183	6.2200e-003		131.9490

3.7 Concrete Shell 2 - 2016**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	3.9983	50.2800	29.4382	0.0586		2.1486	2.1486		1.9767	1.9767		6,080.4547	6,080.4547	1.8341		6,118.9704
Total	3.9983	50.2800	29.4382	0.0586		2.1486	2.1486		1.9767	1.9767		6,080.4547	6,080.4547	1.8341		6,118.9704

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	0.2141	3.7796	2.5567	9.7600e-003	0.2397	0.0668	0.3065	0.0657	0.0614	0.1271		984.2802	984.2802	6.3300e-003		984.4132
Vendor	3.4481	35.7856	41.5632	0.0869	2.6173	0.6836	3.3009	0.7476	0.6287	1.3763		8,713.1896	8,713.1896	0.0591		8,714.4311
Worker	0.1462	0.1928	1.9546	4.9000e-003	0.4471	2.8000e-003	0.4499	0.1186	2.5700e-003	0.1211		405.5948	405.5948	0.0191		405.9968
Total	3.8085	39.7579	46.0744	0.1015	3.3041	0.7532	4.0573	0.9318	0.6927	1.6245		10,103.0646	10,103.0646	0.0846		10,104.8410

3.7 Concrete Shell 2 - 2016**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	0.8016	6.6608	28.3879	0.0586		0.3596	0.3596		0.3596	0.3596	0.0000	6,080.4547	6,080.4547	1.8341		6,118.9704
Total	0.8016	6.6608	28.3879	0.0586		0.3596	0.3596		0.3596	0.3596	0.0000	6,080.4547	6,080.4547	1.8341		6,118.9704

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	0.2141	3.7796	2.5567	9.7600e-003	0.2397	0.0668	0.3065	0.0657	0.0614	0.1271		984.2802	984.2802	6.3300e-003		984.4132
Vendor	3.4481	35.7856	41.5632	0.0869	2.6173	0.6836	3.3009	0.7476	0.6287	1.3763		8,713.1896	8,713.1896	0.0591		8,714.4311
Worker	0.1462	0.1928	1.9546	4.9000e-003	0.4471	2.8000e-003	0.4499	0.1186	2.5700e-003	0.1211		405.5948	405.5948	0.0191		405.9968
Total	3.8085	39.7579	46.0744	0.1015	3.3041	0.7532	4.0573	0.9318	0.6927	1.6245		10,103.0646	10,103.0646	0.0846		10,104.8410

3.8 Grading 3 - 2016**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					4.2420	0.0000	4.2420	0.4580	0.0000	0.4580			0.0000			0.0000
Off-Road	9.5131	119.7766	69.2684	0.1151		4.7102	4.7102		4.3334	4.3334		11,957.7675	11,957.7675	3.6069		12,033.5122
Total	9.5131	119.7766	69.2684	0.1151	4.2420	4.7102	8.9522	0.4580	4.3334	4.7914		11,957.7675	11,957.7675	3.6069		12,033.5122

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	0.0731	0.0964	0.9773	2.4500e-003	0.2236	1.4000e-003	0.2250	0.0593	1.2800e-003	0.0606		202.7974	202.7974	9.5700e-003		202.9984
Total	0.0731	0.0964	0.9773	2.4500e-003	0.2236	1.4000e-003	0.2250	0.0593	1.2800e-003	0.0606		202.7974	202.7974	9.5700e-003		202.9984

3.8 Grading 3 - 2016**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					4.2420	0.0000	4.2420	0.4580	0.0000	0.4580			0.0000			0.0000
Off-Road	1.8544	21.1947	54.8358	0.1151		0.7736	0.7736		0.7736	0.7736	0.0000	11,957.7675	11,957.7675	3.6069		12,033.5122
Total	1.8544	21.1947	54.8358	0.1151	4.2420	0.7736	5.0156	0.4580	0.7736	1.2317	0.0000	11,957.7675	11,957.7675	3.6069		12,033.5122

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	0.0731	0.0964	0.9773	2.4500e-003	0.2236	1.4000e-003	0.2250	0.0593	1.2800e-003	0.0606		202.7974	202.7974	9.5700e-003		202.9984
Total	0.0731	0.0964	0.9773	2.4500e-003	0.2236	1.4000e-003	0.2250	0.0593	1.2800e-003	0.0606		202.7974	202.7974	9.5700e-003		202.9984

3.9 Trenching 3 - 2016**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	3.1973	39.5669	18.8343	0.0450		1.5850	1.5850		1.4582	1.4582		4,676.1560	4,676.1560	1.4105		4,705.7764
Total	3.1973	39.5669	18.8343	0.0450		1.5850	1.5850		1.4582	1.4582		4,676.1560	4,676.1560	1.4105		4,705.7764

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	0.0475	0.0627	0.6352	1.5900e-003	0.1453	9.1000e-004	0.1462	0.0385	8.4000e-004	0.0394		131.8183	131.8183	6.2200e-003		131.9490
Total	0.0475	0.0627	0.6352	1.5900e-003	0.1453	9.1000e-004	0.1462	0.0385	8.4000e-004	0.0394		131.8183	131.8183	6.2200e-003		131.9490

3.9 Trenching 3 - 2016**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	0.8390	12.4623	23.0273	0.0450		0.5275	0.5275		0.5275	0.5275	0.0000	4,676.1560	4,676.1560	1.4105		4,705.7764
Total	0.8390	12.4623	23.0273	0.0450		0.5275	0.5275		0.5275	0.5275	0.0000	4,676.1560	4,676.1560	1.4105		4,705.7764

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	0.0475	0.0627	0.6352	1.5900e-003	0.1453	9.1000e-004	0.1462	0.0385	8.4000e-004	0.0394		131.8183	131.8183	6.2200e-003		131.9490
Total	0.0475	0.0627	0.6352	1.5900e-003	0.1453	9.1000e-004	0.1462	0.0385	8.4000e-004	0.0394		131.8183	131.8183	6.2200e-003		131.9490

3.10 Grading 4 - 2016**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					4.2420	0.0000	4.2420	0.4580	0.0000	0.4580			0.0000			0.0000
Off-Road	9.5131	119.7766	69.2684	0.1151		4.7102	4.7102		4.3334	4.3334		11,957.7675	11,957.7675	3.6069		12,033.5122
Total	9.5131	119.7766	69.2684	0.1151	4.2420	4.7102	8.9522	0.4580	4.3334	4.7914		11,957.7675	11,957.7675	3.6069		12,033.5122

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	0.0731	0.0964	0.9773	2.4500e-003	0.2236	1.4000e-003	0.2250	0.0593	1.2800e-003	0.0606		202.7974	202.7974	9.5700e-003		202.9984
Total	0.0731	0.0964	0.9773	2.4500e-003	0.2236	1.4000e-003	0.2250	0.0593	1.2800e-003	0.0606		202.7974	202.7974	9.5700e-003		202.9984

3.10 Grading 4 - 2016**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					4.2420	0.0000	4.2420	0.4580	0.0000	0.4580			0.0000			0.0000
Off-Road	1.8544	21.1947	54.8358	0.1151		0.7736	0.7736		0.7736	0.7736	0.0000	11,957.7675	11,957.7675	3.6069		12,033.5122
Total	1.8544	21.1947	54.8358	0.1151	4.2420	0.7736	5.0156	0.4580	0.7736	1.2317	0.0000	11,957.7675	11,957.7675	3.6069		12,033.5122

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	0.0731	0.0964	0.9773	2.4500e-003	0.2236	1.4000e-003	0.2250	0.0593	1.2800e-003	0.0606		202.7974	202.7974	9.5700e-003		202.9984
Total	0.0731	0.0964	0.9773	2.4500e-003	0.2236	1.4000e-003	0.2250	0.0593	1.2800e-003	0.0606		202.7974	202.7974	9.5700e-003		202.9984

3.11 Concrete Shell 3 - 2016**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	3.9983	50.2800	29.4382	0.0586		2.1486	2.1486		1.9767	1.9767		6,080.4547	6,080.4547	1.8341		6,118.9704
Total	3.9983	50.2800	29.4382	0.0586		2.1486	2.1486		1.9767	1.9767		6,080.4547	6,080.4547	1.8341		6,118.9704

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	0.1787	3.1546	2.1339	8.1500e-003	0.2001	0.0557	0.2558	0.0548	0.0513	0.1061		821.5291	821.5291	5.2800e-003		821.6400
Vendor	3.4481	35.7856	41.5632	0.0869	2.6173	0.6836	3.3009	0.7476	0.6287	1.3763		8,713.1896	8,713.1896	0.0591		8,714.4311
Worker	0.1462	0.1928	1.9546	4.9000e-003	0.4471	2.8000e-003	0.4499	0.1186	2.5700e-003	0.1211		405.5948	405.5948	0.0191		405.9968
Total	3.7730	39.1330	45.6517	0.0999	3.2644	0.7422	4.0066	0.9210	0.6825	1.6035		9,940.3135	9,940.3135	0.0835		9,942.0679

3.11 Concrete Shell 3 - 2016**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	0.8016	6.6608	28.3879	0.0586		0.3596	0.3596		0.3596	0.3596	0.0000	6,080.4547	6,080.4547	1.8341		6,118.9704
Total	0.8016	6.6608	28.3879	0.0586		0.3596	0.3596		0.3596	0.3596	0.0000	6,080.4547	6,080.4547	1.8341		6,118.9704

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	0.1787	3.1546	2.1339	8.1500e-003	0.2001	0.0557	0.2558	0.0548	0.0513	0.1061		821.5291	821.5291	5.2800e-003		821.6400
Vendor	3.4481	35.7856	41.5632	0.0869	2.6173	0.6836	3.3009	0.7476	0.6287	1.3763		8,713.1896	8,713.1896	0.0591		8,714.4311
Worker	0.1462	0.1928	1.9546	4.9000e-003	0.4471	2.8000e-003	0.4499	0.1186	2.5700e-003	0.1211		405.5948	405.5948	0.0191		405.9968
Total	3.7730	39.1330	45.6517	0.0999	3.2644	0.7422	4.0066	0.9210	0.6825	1.6035		9,940.3135	9,940.3135	0.0835		9,942.0679

3.12 Trenching 4 - 2016**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	3.1448	38.8823	18.6179	0.0444		1.5602	1.5602		1.4353	1.4353		4,609.5529	4,609.5529	1.3904		4,638.7514
Total	3.1448	38.8823	18.6179	0.0444		1.5602	1.5602		1.4353	1.4353		4,609.5529	4,609.5529	1.3904		4,638.7514

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	0.0475	0.0627	0.6352	1.5900e-003	0.1453	9.1000e-004	0.1462	0.0385	8.4000e-004	0.0394		131.8183	131.8183	6.2200e-003		131.9490
Total	0.0475	0.0627	0.6352	1.5900e-003	0.1453	9.1000e-004	0.1462	0.0385	8.4000e-004	0.0394		131.8183	131.8183	6.2200e-003		131.9490

3.12 Trenching 4 - 2016**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	0.8311	12.4281	22.7374	0.0444		0.5265	0.5265		0.5265	0.5265	0.0000	4,609.5529	4,609.5529	1.3904		4,638.7513
Total	0.8311	12.4281	22.7374	0.0444		0.5265	0.5265		0.5265	0.5265	0.0000	4,609.5529	4,609.5529	1.3904		4,638.7513

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	0.0475	0.0627	0.6352	1.5900e-003	0.1453	9.1000e-004	0.1462	0.0385	8.4000e-004	0.0394		131.8183	131.8183	6.2200e-003		131.9490
Total	0.0475	0.0627	0.6352	1.5900e-003	0.1453	9.1000e-004	0.1462	0.0385	8.4000e-004	0.0394		131.8183	131.8183	6.2200e-003		131.9490

3.13 Concrete Shell 4 - 2016**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	3.9983	50.2800	29.4382	0.0586		2.1486	2.1486		1.9767	1.9767		6,080.4547	6,080.4547	1.8341		6,118.9704
Total	3.9983	50.2800	29.4382	0.0586		2.1486	2.1486		1.9767	1.9767		6,080.4547	6,080.4547	1.8341		6,118.9704

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	0.2740	4.8359	3.2712	0.0125	0.3067	0.0854	0.3921	0.0840	0.0786	0.1626		1,259.3629	1,259.3629	8.1000e-003		1,259.5330
Vendor	3.4481	35.7856	41.5632	0.0869	2.6173	0.6836	3.3009	0.7476	0.6287	1.3763		8,713.1896	8,713.1896	0.0591		8,714.4311
Worker	0.1462	0.1928	1.9546	4.9000e-003	0.4471	2.8000e-003	0.4499	0.1186	2.5700e-003	0.1211		405.5948	405.5948	0.0191		405.9968
Total	3.8683	40.8143	46.7889	0.1042	3.3711	0.7719	4.1429	0.9502	0.7098	1.6600		10,378.1473	10,378.1473	0.0864		10,379.9609

3.13 Concrete Shell 4 - 2016**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	0.8016	6.6608	28.3879	0.0586		0.3596	0.3596		0.3596	0.3596	0.0000	6,080.4547	6,080.4547	1.8341		6,118.9704
Total	0.8016	6.6608	28.3879	0.0586		0.3596	0.3596		0.3596	0.3596	0.0000	6,080.4547	6,080.4547	1.8341		6,118.9704

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	0.2740	4.8359	3.2712	0.0125	0.3067	0.0854	0.3921	0.0840	0.0786	0.1626		1,259.3629	1,259.3629	8.1000e-003		1,259.5330
Vendor	3.4481	35.7856	41.5632	0.0869	2.6173	0.6836	3.3009	0.7476	0.6287	1.3763		8,713.1896	8,713.1896	0.0591		8,714.4311
Worker	0.1462	0.1928	1.9546	4.9000e-003	0.4471	2.8000e-003	0.4499	0.1186	2.5700e-003	0.1211		405.5948	405.5948	0.0191		405.9968
Total	3.8683	40.8143	46.7889	0.1042	3.3711	0.7719	4.1429	0.9502	0.7098	1.6600		10,378.1473	10,378.1473	0.0864		10,379.9609

3.14 Steel & Roof 1 - 2016**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	3.7894	48.4056	23.6538	0.0493		1.9217	1.9217		1.7680	1.7680		5,125.1584	5,125.1584	1.5459		5,157.6229
Total	3.7894	48.4056	23.6538	0.0493		1.9217	1.9217		1.7680	1.7680		5,125.1584	5,125.1584	1.5459		5,157.6229

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	3.4481	35.7856	41.5632	0.0869	2.6173	0.6836	3.3009	0.7476	0.6287	1.3763		8,713.1896	8,713.1896	0.0591		8,714.4311
Worker	0.4569	0.6025	6.1081	0.0153	1.3972	8.7300e-003	1.4059	0.3706	8.0300e-003	0.3786		1,267.4836	1,267.4836	0.0598		1,268.7399
Total	3.9050	36.3880	47.6713	0.1022	4.0145	0.6924	4.7069	1.1181	0.6367	1.7548		9,980.6733	9,980.6733	0.1189		9,983.1710

3.14 Steel & Roof 1 - 2016**Mitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	1.8420	18.2779	22.9861	0.0493		0.7995	0.7995		0.7406	0.7406	0.0000	5,125.1584	5,125.1584	1.5459		5,157.6229
Total	1.8420	18.2779	22.9861	0.0493		0.7995	0.7995		0.7406	0.7406	0.0000	5,125.1584	5,125.1584	1.5459		5,157.6229

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	3.4481	35.7856	41.5632	0.0869	2.6173	0.6836	3.3009	0.7476	0.6287	1.3763		8,713.1896	8,713.1896	0.0591		8,714.4311
Worker	0.4569	0.6025	6.1081	0.0153	1.3972	8.7300e-003	1.4059	0.3706	8.0300e-003	0.3786		1,267.4836	1,267.4836	0.0598		1,268.7399
Total	3.9050	36.3880	47.6713	0.1022	4.0145	0.6924	4.7069	1.1181	0.6367	1.7548		9,980.6733	9,980.6733	0.1189		9,983.1710

3.15 Steel & Roof 2 - 2016**Unmitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	2.2979	29.5650	14.8227	0.0311		1.1584	1.1584		1.0657	1.0657		3,230.8719	3,230.8719	0.9746		3,251.3373
Total	2.2979	29.5650	14.8227	0.0311		1.1584	1.1584		1.0657	1.0657		3,230.8719	3,230.8719	0.9746		3,251.3373

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	3.4481	35.7856	41.5632	0.0869	2.6173	0.6836	3.3009	0.7476	0.6287	1.3763		8,713.1896	8,713.1896	0.0591		8,714.4311
Worker	0.1462	0.1928	1.9546	4.9000e-003	0.4471	2.8000e-003	0.4499	0.1186	2.5700e-003	0.1211		405.5948	405.5948	0.0191		405.9968
Total	3.5943	35.9783	43.5177	0.0918	3.0644	0.6864	3.7508	0.8662	0.6312	1.4974		9,118.7844	9,118.7844	0.0783		9,120.4278

3.15 Steel & Roof 2 - 2016**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	0.9997	9.4799	14.3775	0.0311		0.4102	0.4102		0.3808	0.3808	0.0000	3,230.8719	3,230.8719	0.9746		3,251.3373
Total	0.9997	9.4799	14.3775	0.0311		0.4102	0.4102		0.3808	0.3808	0.0000	3,230.8719	3,230.8719	0.9746		3,251.3373

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	3.4481	35.7856	41.5632	0.0869	2.6173	0.6836	3.3009	0.7476	0.6287	1.3763		8,713.1896	8,713.1896	0.0591		8,714.4311
Worker	0.1462	0.1928	1.9546	4.9000e-003	0.4471	2.8000e-003	0.4499	0.1186	2.5700e-003	0.1211		405.5948	405.5948	0.0191		405.9968
Total	3.5943	35.9783	43.5177	0.0918	3.0644	0.6864	3.7508	0.8662	0.6312	1.4974		9,118.7844	9,118.7844	0.0783		9,120.4278

3.16 Steel & Roof 3 - 2016**Unmitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	2.2979	29.5650	14.8227	0.0311		1.1584	1.1584		1.0657	1.0657		3,230.8719	3,230.8719	0.9746		3,251.3373
Total	2.2979	29.5650	14.8227	0.0311		1.1584	1.1584		1.0657	1.0657		3,230.8719	3,230.8719	0.9746		3,251.3373

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	3.4481	35.7856	41.5632	0.0869	2.6173	0.6836	3.3009	0.7476	0.6287	1.3763		8,713.1896	8,713.1896	0.0591		8,714.4311
Worker	0.1462	0.1928	1.9546	4.9000e-003	0.4471	2.8000e-003	0.4499	0.1186	2.5700e-003	0.1211		405.5948	405.5948	0.0191		405.9968
Total	3.5943	35.9783	43.5177	0.0918	3.0644	0.6864	3.7508	0.8662	0.6312	1.4974		9,118.7844	9,118.7844	0.0783		9,120.4278

3.16 Steel & Roof 3 - 2016**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	0.9997	9.4799	14.3775	0.0311		0.4102	0.4102		0.3808	0.3808	0.0000	3,230.8719	3,230.8719	0.9746		3,251.3373
Total	0.9997	9.4799	14.3775	0.0311		0.4102	0.4102		0.3808	0.3808	0.0000	3,230.8719	3,230.8719	0.9746		3,251.3373

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	3.4481	35.7856	41.5632	0.0869	2.6173	0.6836	3.3009	0.7476	0.6287	1.3763		8,713.1896	8,713.1896	0.0591		8,714.4311
Worker	0.1462	0.1928	1.9546	4.9000e-003	0.4471	2.8000e-003	0.4499	0.1186	2.5700e-003	0.1211		405.5948	405.5948	0.0191		405.9968
Total	3.5943	35.9783	43.5177	0.0918	3.0644	0.6864	3.7508	0.8662	0.6312	1.4974		9,118.7844	9,118.7844	0.0783		9,120.4278

3.17 Roofing & Overhead Work 2 - 2016**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	1.9532	24.8275	14.3833	0.0291		1.0194	1.0194		0.9379	0.9379		3,017.0957	3,017.0957	0.9101		3,036.2070
Total	1.9532	24.8275	14.3833	0.0291		1.0194	1.0194		0.9379	0.9379		3,017.0957	3,017.0957	0.9101		3,036.2070

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	3.4481	35.7856	41.5632	0.0869	2.6173	0.6836	3.3009	0.7476	0.6287	1.3763		8,713.1896	8,713.1896	0.0591		8,714.4311
Worker	0.1462	0.1928	1.9546	4.9000e-003	0.4471	2.8000e-003	0.4499	0.1186	2.5700e-003	0.1211		405.5948	405.5948	0.0191		405.9968
Total	3.5943	35.9783	43.5177	0.0918	3.0644	0.6864	3.7508	0.8662	0.6312	1.4974		9,118.7844	9,118.7844	0.0783		9,120.4278

3.17 Roofing & Overhead Work 2 - 2016**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	0.6549	4.7424	13.9381	0.0291		0.2713	0.2713		0.2529	0.2529	0.0000	3,017.0957	3,017.0957	0.9101		3,036.2070
Total	0.6549	4.7424	13.9381	0.0291		0.2713	0.2713		0.2529	0.2529	0.0000	3,017.0957	3,017.0957	0.9101		3,036.2070

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	3.4481	35.7856	41.5632	0.0869	2.6173	0.6836	3.3009	0.7476	0.6287	1.3763		8,713.1896	8,713.1896	0.0591		8,714.4311
Worker	0.1462	0.1928	1.9546	4.9000e-003	0.4471	2.8000e-003	0.4499	0.1186	2.5700e-003	0.1211		405.5948	405.5948	0.0191		405.9968
Total	3.5943	35.9783	43.5177	0.0918	3.0644	0.6864	3.7508	0.8662	0.6312	1.4974		9,118.7844	9,118.7844	0.0783		9,120.4278

3.18 Roofing & Overhead Work 1 - 2016**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	3.1597	39.8954	23.6141	0.0467		1.6713	1.6713		1.5376	1.5376		4,845.3578	4,845.3578	1.4615		4,876.0499
Total	3.1597	39.8954	23.6141	0.0467		1.6713	1.6713		1.5376	1.5376		4,845.3578	4,845.3578	1.4615		4,876.0499

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	3.4481	35.7856	41.5632	0.0869	2.6173	0.6836	3.3009	0.7476	0.6287	1.3763		8,713.1896	8,713.1896	0.0591		8,714.4311
Worker	0.4569	0.6025	6.1081	0.0153	1.3972	8.7300e-003	1.4059	0.3706	8.0300e-003	0.3786		1,267.4836	1,267.4836	0.0598		1,268.7399
Total	3.9050	36.3880	47.6713	0.1022	4.0145	0.6924	4.7069	1.1181	0.6367	1.7548		9,980.6733	9,980.6733	0.1189		9,983.1710

3.18 Roofing & Overhead Work 1 - 2016**Mitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	1.2123	9.7677	22.9463	0.0467		0.5491	0.5491		0.5102	0.5102	0.0000	4,845.3578	4,845.3578	1.4615		4,876.0499
Total	1.2123	9.7677	22.9463	0.0467		0.5491	0.5491		0.5102	0.5102	0.0000	4,845.3578	4,845.3578	1.4615		4,876.0499

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	3.4481	35.7856	41.5632	0.0869	2.6173	0.6836	3.3009	0.7476	0.6287	1.3763		8,713.1896	8,713.1896	0.0591		8,714.4311
Worker	0.4569	0.6025	6.1081	0.0153	1.3972	8.7300e-003	1.4059	0.3706	8.0300e-003	0.3786		1,267.4836	1,267.4836	0.0598		1,268.7399
Total	3.9050	36.3880	47.6713	0.1022	4.0145	0.6924	4.7069	1.1181	0.6367	1.7548		9,980.6733	9,980.6733	0.1189		9,983.1710

3.18 Roofing & Overhead Work 1 - 2017**Unmitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	2.9659	36.9597	22.2694	0.0466		1.5220	1.5220		1.4002	1.4002		4,764.898 1	4,764.898 1	1.4600		4,795.557 2
Total	2.9659	36.9597	22.2694	0.0466		1.5220	1.5220		1.4002	1.4002		4,764.898 1	4,764.898 1	1.4600		4,795.557 2

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	3.1077	32.4347	39.2591	0.0867	2.6174	0.6124	3.2297	0.7476	0.5632	1.3109		8,565.830 2	8,565.830 2	0.0571		8,567.028 6
Worker	0.4082	0.5401	5.4695	0.0153	1.3972	8.4900e-003	1.4057	0.3706	7.8400e-003	0.3784		1,217.163 9	1,217.163 9	0.0549		1,218.316 2
Total	3.5159	32.9748	44.7286	0.1020	4.0146	0.6209	4.6354	1.1182	0.5711	1.6892		9,782.994 1	9,782.994 1	0.1119		9,785.344 8

3.18 Roofing & Overhead Work 1 - 2017**Mitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	1.1581	9.2917	22.8897	0.0466		0.4976	0.4976		0.4628	0.4628	0.0000	4,764.898 1	4,764.898 1	1.4600		4,795.557 2
Total	1.1581	9.2917	22.8897	0.0466		0.4976	0.4976		0.4628	0.4628	0.0000	4,764.898 1	4,764.898 1	1.4600		4,795.557 2

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	3.1077	32.4347	39.2591	0.0867	2.6174	0.6124	3.2297	0.7476	0.5632	1.3109		8,565.830 2	8,565.830 2	0.0571		8,567.028 6
Worker	0.4082	0.5401	5.4695	0.0153	1.3972	8.4900e-003	1.4057	0.3706	7.8400e-003	0.3784		1,217.163 9	1,217.163 9	0.0549		1,218.316 2
Total	3.5159	32.9748	44.7286	0.1020	4.0146	0.6209	4.6354	1.1182	0.5711	1.6892		9,782.994 1	9,782.994 1	0.1119		9,785.344 8

3.19 Paving 2 - 2016**Unmitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	2.2385	25.9379	13.6295	0.0271		1.1680	1.1680		1.0746	1.0746		2,812.896 1	2,812.896 1	0.8485		2,830.714 0
Paving	1.6824					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Total	3.9209	25.9379	13.6295	0.0271		1.1680	1.1680		1.0746	1.0746		2,812.896 1	2,812.896 1	0.8485		2,830.714 0

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	0.2026	3.5760	2.4190	9.2400e-003	0.2268	0.0632	0.2900	0.0621	0.0581	0.1202		931.2695	931.2695	5.9900e-003		931.3953
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	0.0292	0.0386	0.3909	9.8000e-004	0.0894	5.6000e-004	0.0900	0.0237	5.1000e-004	0.0242		81.1190	81.1190	3.8300e-003		81.1994
Total	0.2318	3.6146	2.8099	0.0102	0.3162	0.0637	0.3799	0.0858	0.0586	0.1445		1,012.388 5	1,012.388 5	9.8200e-003		1,012.594 7

3.19 Paving 2 - 2016**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	0.5097	7.7946	14.1898	0.0271		0.3537	0.3537		0.3537	0.3537	0.0000	2,812.896 1	2,812.896 1	0.8485		2,830.714 0
Paving	1.6824					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Total	2.1921	7.7946	14.1898	0.0271		0.3537	0.3537		0.3537	0.3537	0.0000	2,812.896 1	2,812.896 1	0.8485		2,830.714 0

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	0.2026	3.5760	2.4190	9.2400e-003	0.2268	0.0632	0.2900	0.0621	0.0581	0.1202		931.2695	931.2695	5.9900e-003		931.3953
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	0.0292	0.0386	0.3909	9.8000e-004	0.0894	5.6000e-004	0.0900	0.0237	5.1000e-004	0.0242		81.1190	81.1190	3.8300e-003		81.1994
Total	0.2318	3.6146	2.8099	0.0102	0.3162	0.0637	0.3799	0.0858	0.0586	0.1445		1,012.388 5	1,012.388 5	9.8200e-003		1,012.594 7

3.20 Architectural Coating 2 - 2016**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	66.7337					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Off-Road	0.8065	10.7243	5.9916	0.0129		0.3951	0.3951		0.3635	0.3635		1,336.5853	1,336.5853	0.4032		1,345.0517
Total	67.5402	10.7243	5.9916	0.0129		0.3951	0.3951		0.3635	0.3635		1,336.5853	1,336.5853	0.4032		1,345.0517

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	0.7786	1.0266	10.4082	0.0261	2.3808	0.0149	2.3957	0.6314	0.0137	0.6451		2,159.7921	2,159.7921	0.1019		2,161.9328
Total	0.7786	1.0266	10.4082	0.0261	2.3808	0.0149	2.3957	0.6314	0.0137	0.6451		2,159.7921	2,159.7921	0.1019		2,161.9328

3.20 Architectural Coating 2 - 2016**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	66.7337					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Off-Road	0.1573	0.6818	5.7690	0.0129		0.0210	0.0210		0.0210	0.0210	0.0000	1,336.5853	1,336.5853	0.4032		1,345.0517
Total	66.8910	0.6818	5.7690	0.0129		0.0210	0.0210		0.0210	0.0210	0.0000	1,336.5853	1,336.5853	0.4032		1,345.0517

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	0.7786	1.0266	10.4082	0.0261	2.3808	0.0149	2.3957	0.6314	0.0137	0.6451		2,159.7921	2,159.7921	0.1019		2,161.9328
Total	0.7786	1.0266	10.4082	0.0261	2.3808	0.0149	2.3957	0.6314	0.0137	0.6451		2,159.7921	2,159.7921	0.1019		2,161.9328

3.21 Misc. Finishes 2 - 2016**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	0.8663	11.6890	6.8307	0.0143		0.4225	0.4225		0.3887	0.3887		1,484.337 1	1,484.337 1	0.4477		1,493.739 4
Total	0.8663	11.6890	6.8307	0.0143		0.4225	0.4225		0.3887	0.3887		1,484.337 1	1,484.337 1	0.4477		1,493.739 4

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	3.4481	35.7856	41.5632	0.0869	2.6173	0.6836	3.3009	0.7476	0.6287	1.3763		8,713.189 6	8,713.189 6	0.0591		8,714.431 1
Worker	0.1462	0.1928	1.9546	4.9000e-003	0.4471	2.8000e-003	0.4499	0.1186	2.5700e-003	0.1211		405.5948	405.5948	0.0191		405.9968
Total	3.5943	35.9783	43.5177	0.0918	3.0644	0.6864	3.7508	0.8662	0.6312	1.4974		9,118.784 4	9,118.784 4	0.0783		9,120.427 8

3.21 Misc. Finishes 2 - 2016**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	0.2171	1.6464	6.6081	0.0143		0.0484	0.0484		0.0462	0.0462	0.0000	1,484.337 1	1,484.337 1	0.4477		1,493.739 4
Total	0.2171	1.6464	6.6081	0.0143		0.0484	0.0484		0.0462	0.0462	0.0000	1,484.337 1	1,484.337 1	0.4477		1,493.739 4

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	3.4481	35.7856	41.5632	0.0869	2.6173	0.6836	3.3009	0.7476	0.6287	1.3763		8,713.189 6	8,713.189 6	0.0591		8,714.431 1
Worker	0.1462	0.1928	1.9546	4.9000e-003	0.4471	2.8000e-003	0.4499	0.1186	2.5700e-003	0.1211		405.5948	405.5948	0.0191		405.9968
Total	3.5943	35.9783	43.5177	0.0918	3.0644	0.6864	3.7508	0.8662	0.6312	1.4974		9,118.784 4	9,118.784 4	0.0783		9,120.427 8

3.22 Roofing & Overhead Work 3 - 2016**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	1.9532	24.8275	14.3833	0.0291		1.0194	1.0194		0.9379	0.9379		3,017.0957	3,017.0957	0.9101		3,036.2070
Total	1.9532	24.8275	14.3833	0.0291		1.0194	1.0194		0.9379	0.9379		3,017.0957	3,017.0957	0.9101		3,036.2070

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	3.4481	35.7856	41.5632	0.0869	2.6173	0.6836	3.3009	0.7476	0.6287	1.3763		8,713.1896	8,713.1896	0.0591		8,714.4311
Worker	0.1462	0.1928	1.9546	4.9000e-003	0.4471	2.8000e-003	0.4499	0.1186	2.5700e-003	0.1211		405.5948	405.5948	0.0191		405.9968
Total	3.5943	35.9783	43.5177	0.0918	3.0644	0.6864	3.7508	0.8662	0.6312	1.4974		9,118.7844	9,118.7844	0.0783		9,120.4278

3.22 Roofing & Overhead Work 3 - 2016**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	0.6549	4.7424	13.9381	0.0291		0.2713	0.2713		0.2529	0.2529	0.0000	3,017.0957	3,017.0957	0.9101		3,036.2070
Total	0.6549	4.7424	13.9381	0.0291		0.2713	0.2713		0.2529	0.2529	0.0000	3,017.0957	3,017.0957	0.9101		3,036.2070

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	3.4481	35.7856	41.5632	0.0869	2.6173	0.6836	3.3009	0.7476	0.6287	1.3763		8,713.1896	8,713.1896	0.0591		8,714.4311
Worker	0.1462	0.1928	1.9546	4.9000e-003	0.4471	2.8000e-003	0.4499	0.1186	2.5700e-003	0.1211		405.5948	405.5948	0.0191		405.9968
Total	3.5943	35.9783	43.5177	0.0918	3.0644	0.6864	3.7508	0.8662	0.6312	1.4974		9,118.7844	9,118.7844	0.0783		9,120.4278

3.23 Steel & Roof 4 - 2016**Unmitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	2.2979	29.5650	14.8227	0.0311		1.1584	1.1584		1.0657	1.0657		3,230.8719	3,230.8719	0.9746		3,251.3373
Total	2.2979	29.5650	14.8227	0.0311		1.1584	1.1584		1.0657	1.0657		3,230.8719	3,230.8719	0.9746		3,251.3373

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	3.4481	35.7856	41.5632	0.0869	2.6173	0.6836	3.3009	0.7476	0.6287	1.3763		8,713.1896	8,713.1896	0.0591		8,714.4311
Worker	0.1462	0.1928	1.9546	4.9000e-003	0.4471	2.8000e-003	0.4499	0.1186	2.5700e-003	0.1211		405.5948	405.5948	0.0191		405.9968
Total	3.5943	35.9783	43.5177	0.0918	3.0644	0.6864	3.7508	0.8662	0.6312	1.4974		9,118.7844	9,118.7844	0.0783		9,120.4278

3.23 Steel & Roof 4 - 2016**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	0.9997	9.4799	14.3775	0.0311		0.4102	0.4102		0.3808	0.3808	0.0000	3,230.8719	3,230.8719	0.9746		3,251.3373
Total	0.9997	9.4799	14.3775	0.0311		0.4102	0.4102		0.3808	0.3808	0.0000	3,230.8719	3,230.8719	0.9746		3,251.3373

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	3.4481	35.7856	41.5632	0.0869	2.6173	0.6836	3.3009	0.7476	0.6287	1.3763		8,713.1896	8,713.1896	0.0591		8,714.4311
Worker	0.1462	0.1928	1.9546	4.9000e-003	0.4471	2.8000e-003	0.4499	0.1186	2.5700e-003	0.1211		405.5948	405.5948	0.0191		405.9968
Total	3.5943	35.9783	43.5177	0.0918	3.0644	0.6864	3.7508	0.8662	0.6312	1.4974		9,118.7844	9,118.7844	0.0783		9,120.4278

3.24 Paving 3 - 2016**Unmitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	2.2385	25.9379	13.6295	0.0271		1.1680	1.1680		1.0746	1.0746		2,812.896 1	2,812.896 1	0.8485		2,830.714 0
Paving	1.6824					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Total	3.9209	25.9379	13.6295	0.0271		1.1680	1.1680		1.0746	1.0746		2,812.896 1	2,812.896 1	0.8485		2,830.714 0

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	0.2165	3.8217	2.5851	9.8700e-003	0.3036	0.0675	0.3711	0.0814	0.0621	0.1435		995.2303	995.2303	6.4000e-003		995.3648
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	0.0292	0.0386	0.3909	9.8000e-004	0.0894	5.6000e-004	0.0900	0.0237	5.1000e-004	0.0242		81.1190	81.1190	3.8300e-003		81.1994
Total	0.2458	3.8602	2.9760	0.0109	0.3930	0.0681	0.4611	0.1051	0.0626	0.1677		1,076.349 3	1,076.349 3	0.0102		1,076.564 1

3.24 Paving 3 - 2016**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	0.5097	7.7946	14.1898	0.0271		0.3537	0.3537		0.3537	0.3537	0.0000	2,812.896 1	2,812.896 1	0.8485		2,830.714 0
Paving	1.6824					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Total	2.1921	7.7946	14.1898	0.0271		0.3537	0.3537		0.3537	0.3537	0.0000	2,812.896 1	2,812.896 1	0.8485		2,830.714 0

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	0.2165	3.8217	2.5851	9.8700e-003	0.3036	0.0675	0.3711	0.0814	0.0621	0.1435		995.2303	995.2303	6.4000e-003		995.3648
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	0.0292	0.0386	0.3909	9.8000e-004	0.0894	5.6000e-004	0.0900	0.0237	5.1000e-004	0.0242		81.1190	81.1190	3.8300e-003		81.1994
Total	0.2458	3.8602	2.9760	0.0109	0.3930	0.0681	0.4611	0.1051	0.0626	0.1677		1,076.349 3	1,076.349 3	0.0102		1,076.564 1

3.24 Paving 3 - 2017**Unmitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	2.1245	24.1267	12.9756	0.0271		1.0924	1.0924		1.0050	1.0050		2,766.6324	2,766.6324	0.8477		2,784.4339
Paving	1.6824					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Total	3.8069	24.1267	12.9756	0.0271		1.0924	1.0924		1.0050	1.0050		2,766.6324	2,766.6324	0.8477		2,784.4339

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	0.2007	3.4963	2.4852	9.8500e-003	0.7934	0.0621	0.8555	0.2016	0.0571	0.2588		978.3600	978.3600	6.2500e-003		978.4913
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	0.0261	0.0346	0.3501	9.8000e-004	0.0894	5.4000e-004	0.0900	0.0237	5.0000e-004	0.0242		77.8985	77.8985	3.5100e-003		77.9722
Total	0.2268	3.5309	2.8352	0.0108	0.8828	0.0626	0.9455	0.2254	0.0576	0.2830		1,056.2585	1,056.2585	9.7600e-003		1,056.4636

3.24 Paving 3 - 2017**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	0.5097	7.7946	14.1898	0.0271		0.3537	0.3537		0.3537	0.3537	0.0000	2,766.632 4	2,766.632 4	0.8477		2,784.433 9
Paving	1.6824					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Total	2.1921	7.7946	14.1898	0.0271		0.3537	0.3537		0.3537	0.3537	0.0000	2,766.632 4	2,766.632 4	0.8477		2,784.433 9

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	0.2007	3.4963	2.4852	9.8500e-003	0.7934	0.0621	0.8555	0.2016	0.0571	0.2588		978.3600	978.3600	6.2500e-003		978.4913
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	0.0261	0.0346	0.3501	9.8000e-004	0.0894	5.4000e-004	0.0900	0.0237	5.0000e-004	0.0242		77.8985	77.8985	3.5100e-003		77.9722
Total	0.2268	3.5309	2.8352	0.0108	0.8828	0.0626	0.9455	0.2254	0.0576	0.2830		1,056.258 5	1,056.258 5	9.7600e-003		1,056.463 6

3.25 Architectural Coating 1 - 2016**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	144.4415					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Off-Road	3.2259	42.8974	23.9663	0.0515		1.5802	1.5802		1.4538	1.4538		5,346.3413	5,346.3413	1.6127		5,380.2069
Total	147.6673	42.8974	23.9663	0.0515		1.5802	1.5802		1.4538	1.4538		5,346.3413	5,346.3413	1.6127		5,380.2069

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	0.7786	1.0266	10.4082	0.0261	2.3808	0.0149	2.3957	0.6314	0.0137	0.6451		2,159.7921	2,159.7921	0.1019		2,161.9328
Total	0.7786	1.0266	10.4082	0.0261	2.3808	0.0149	2.3957	0.6314	0.0137	0.6451		2,159.7921	2,159.7921	0.1019		2,161.9328

3.25 Architectural Coating 1 - 2016**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	144.4415					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Off-Road	0.6293	2.7272	23.0759	0.0515		0.0839	0.0839		0.0839	0.0839	0.0000	5,346.3413	5,346.3413	1.6127		5,380.2069
Total	145.0708	2.7272	23.0759	0.0515		0.0839	0.0839		0.0839	0.0839	0.0000	5,346.3413	5,346.3413	1.6127		5,380.2069

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	0.7786	1.0266	10.4082	0.0261	2.3808	0.0149	2.3957	0.6314	0.0137	0.6451		2,159.7921	2,159.7921	0.1019		2,161.9328
Total	0.7786	1.0266	10.4082	0.0261	2.3808	0.0149	2.3957	0.6314	0.0137	0.6451		2,159.7921	2,159.7921	0.1019		2,161.9328

3.25 Architectural Coating 1 - 2017**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	144.4415					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Off-Road	3.0399	39.6179	22.2488	0.0514		1.4498	1.4498		1.3338	1.3338		5,256.379 9	5,256.379 9	1.6106		5,290.201 4
Total	147.4813	39.6179	22.2488	0.0514		1.4498	1.4498		1.3338	1.3338		5,256.379 9	5,256.379 9	1.6106		5,290.201 4

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	0.6955	0.9203	9.3201	0.0261	2.3808	0.0145	2.3953	0.6314	0.0134	0.6448		2,074.047 3	2,074.047 3	0.0935		2,076.010 7
Total	0.6955	0.9203	9.3201	0.0261	2.3808	0.0145	2.3953	0.6314	0.0134	0.6448		2,074.047 3	2,074.047 3	0.0935		2,076.010 7

3.25 Architectural Coating 1 - 2017**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	144.4415					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Off-Road	0.6293	2.7272	23.0759	0.0514		0.0839	0.0839		0.0839	0.0839	0.0000	5,256.379 9	5,256.379 9	1.6106		5,290.201 4
Total	145.0708	2.7272	23.0759	0.0514		0.0839	0.0839		0.0839	0.0839	0.0000	5,256.379 9	5,256.379 9	1.6106		5,290.201 4

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	0.6955	0.9203	9.3201	0.0261	2.3808	0.0145	2.3953	0.6314	0.0134	0.6448		2,074.047 3	2,074.047 3	0.0935		2,076.010 7
Total	0.6955	0.9203	9.3201	0.0261	2.3808	0.0145	2.3953	0.6314	0.0134	0.6448		2,074.047 3	2,074.047 3	0.0935		2,076.010 7

3.26 Misc. Finishes 3 - 2016**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	0.8663	11.6890	6.8307	0.0143		0.4225	0.4225		0.3887	0.3887		1,484.337 1	1,484.337 1	0.4477		1,493.739 4
Total	0.8663	11.6890	6.8307	0.0143		0.4225	0.4225		0.3887	0.3887		1,484.337 1	1,484.337 1	0.4477		1,493.739 4

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	3.4481	35.7856	41.5632	0.0869	2.6173	0.6836	3.3009	0.7476	0.6287	1.3763		8,713.189 6	8,713.189 6	0.0591		8,714.431 1
Worker	0.1462	0.1928	1.9546	4.9000e-003	0.4471	2.8000e-003	0.4499	0.1186	2.5700e-003	0.1211		405.5948	405.5948	0.0191		405.9968
Total	3.5943	35.9783	43.5177	0.0918	3.0644	0.6864	3.7508	0.8662	0.6312	1.4974		9,118.784 4	9,118.784 4	0.0783		9,120.427 8

3.26 Misc. Finishes 3 - 2016**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	0.2171	1.6464	6.6081	0.0143		0.0484	0.0484		0.0462	0.0462	0.0000	1,484.337 1	1,484.337 1	0.4477		1,493.739 4
Total	0.2171	1.6464	6.6081	0.0143		0.0484	0.0484		0.0462	0.0462	0.0000	1,484.337 1	1,484.337 1	0.4477		1,493.739 4

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	3.4481	35.7856	41.5632	0.0869	2.6173	0.6836	3.3009	0.7476	0.6287	1.3763		8,713.189 6	8,713.189 6	0.0591		8,714.431 1
Worker	0.1462	0.1928	1.9546	4.9000e-003	0.4471	2.8000e-003	0.4499	0.1186	2.5700e-003	0.1211		405.5948	405.5948	0.0191		405.9968
Total	3.5943	35.9783	43.5177	0.0918	3.0644	0.6864	3.7508	0.8662	0.6312	1.4974		9,118.784 4	9,118.784 4	0.0783		9,120.427 8

3.26 Misc. Finishes 3 - 2017**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	0.8148	10.8150	6.3939	0.0143		0.3832	0.3832		0.3525	0.3525		1,459.550 1	1,459.550 1	0.4472		1,468.941 4
Total	0.8148	10.8150	6.3939	0.0143		0.3832	0.3832		0.3525	0.3525		1,459.550 1	1,459.550 1	0.4472		1,468.941 4

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	3.1077	32.4347	39.2591	0.0867	2.6174	0.6124	3.2297	0.7476	0.5632	1.3109		8,565.830 2	8,565.830 2	0.0571		8,567.028 6
Worker	0.1306	0.1728	1.7503	4.9000e-003	0.4471	2.7200e-003	0.4498	0.1186	2.5100e-003	0.1211		389.4924	389.4924	0.0176		389.8612
Total	3.2383	32.6075	41.0093	0.0916	3.0645	0.6151	3.6796	0.8662	0.5657	1.4319		8,955.322 6	8,955.322 6	0.0746		8,956.889 8

3.26 Misc. Finishes 3 - 2017**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	0.2122	1.5923	6.6007	0.0143		0.0417	0.0417		0.0400	0.0400	0.0000	1,459.550 1	1,459.550 1	0.4472		1,468.941 4
Total	0.2122	1.5923	6.6007	0.0143		0.0417	0.0417		0.0400	0.0400	0.0000	1,459.550 1	1,459.550 1	0.4472		1,468.941 4

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	3.1077	32.4347	39.2591	0.0867	2.6174	0.6124	3.2297	0.7476	0.5632	1.3109		8,565.830 2	8,565.830 2	0.0571		8,567.028 6
Worker	0.1306	0.1728	1.7503	4.9000e-003	0.4471	2.7200e-003	0.4498	0.1186	2.5100e-003	0.1211		389.4924	389.4924	0.0176		389.8612
Total	3.2383	32.6075	41.0093	0.0916	3.0645	0.6151	3.6796	0.8662	0.5657	1.4319		8,955.322 6	8,955.322 6	0.0746		8,956.889 8

3.27 Architectural Coating 3 - 2016**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	56.3230					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Off-Road	0.8065	10.7243	5.9916	0.0129		0.3951	0.3951		0.3635	0.3635		1,336.5853	1,336.5853	0.4032		1,345.0517
Total	57.1295	10.7243	5.9916	0.0129		0.3951	0.3951		0.3635	0.3635		1,336.5853	1,336.5853	0.4032		1,345.0517

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	0.7786	1.0266	10.4082	0.0261	2.3808	0.0149	2.3957	0.6314	0.0137	0.6451		2,159.7921	2,159.7921	0.1019		2,161.9328
Total	0.7786	1.0266	10.4082	0.0261	2.3808	0.0149	2.3957	0.6314	0.0137	0.6451		2,159.7921	2,159.7921	0.1019		2,161.9328

3.27 Architectural Coating 3 - 2016**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	56.3230					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Off-Road	0.1573	0.6818	5.7690	0.0129		0.0210	0.0210		0.0210	0.0210	0.0000	1,336.5853	1,336.5853	0.4032		1,345.0517
Total	56.4803	0.6818	5.7690	0.0129		0.0210	0.0210		0.0210	0.0210	0.0000	1,336.5853	1,336.5853	0.4032		1,345.0517

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	0.7786	1.0266	10.4082	0.0261	2.3808	0.0149	2.3957	0.6314	0.0137	0.6451		2,159.7921	2,159.7921	0.1019		2,161.9328
Total	0.7786	1.0266	10.4082	0.0261	2.3808	0.0149	2.3957	0.6314	0.0137	0.6451		2,159.7921	2,159.7921	0.1019		2,161.9328

3.27 Architectural Coating 3 - 2017**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	56.3230					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Off-Road	0.7600	9.9045	5.5622	0.0129		0.3625	0.3625		0.3335	0.3335		1,314.0950	1,314.0950	0.4026		1,322.5504
Total	57.0829	9.9045	5.5622	0.0129		0.3625	0.3625		0.3335	0.3335		1,314.0950	1,314.0950	0.4026		1,322.5504

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	0.6955	0.9203	9.3201	0.0261	2.3808	0.0145	2.3953	0.6314	0.0134	0.6448		2,074.0473	2,074.0473	0.0935		2,076.0107
Total	0.6955	0.9203	9.3201	0.0261	2.3808	0.0145	2.3953	0.6314	0.0134	0.6448		2,074.0473	2,074.0473	0.0935		2,076.0107

3.27 Architectural Coating 3 - 2017**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	56.3230					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Off-Road	0.1573	0.6818	5.7690	0.0129		0.0210	0.0210		0.0210	0.0210	0.0000	1,314.0950	1,314.0950	0.4026		1,322.5504
Total	56.4803	0.6818	5.7690	0.0129		0.0210	0.0210		0.0210	0.0210	0.0000	1,314.0950	1,314.0950	0.4026		1,322.5504

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	0.6955	0.9203	9.3201	0.0261	2.3808	0.0145	2.3953	0.6314	0.0134	0.6448		2,074.0473	2,074.0473	0.0935		2,076.0107
Total	0.6955	0.9203	9.3201	0.0261	2.3808	0.0145	2.3953	0.6314	0.0134	0.6448		2,074.0473	2,074.0473	0.0935		2,076.0107

3.28 Paving 1 - 2016**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	3.1077	36.2213	18.4186	0.0378		1.5543	1.5543		1.4299	1.4299		3,924.9846	3,924.9846	1.1839		3,949.8468
Paving	0.5293					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Total	3.6370	36.2213	18.4186	0.0378		1.5543	1.5543		1.4299	1.4299		3,924.9846	3,924.9846	1.1839		3,949.8468

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	0.3635	6.4165	4.3404	0.0166	4.6730	0.1134	4.7864	1.1586	0.1043	1.2629		1,670.9728	1,670.9728	0.0108		1,671.1985
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	0.0366	0.0482	0.4887	1.2200e-003	0.1118	7.0000e-004	0.1125	0.0296	6.4000e-004	0.0303		101.3987	101.3987	4.7900e-003		101.4992
Total	0.4001	6.4647	4.8290	0.0178	4.7848	0.1141	4.8989	1.1882	0.1049	1.2932		1,772.3715	1,772.3715	0.0155		1,772.6977

3.28 Paving 1 - 2016**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	0.7764	12.9503	19.9676	0.0378		0.5492	0.5492		0.5492	0.5492	0.0000	3,924.9845	3,924.9845	1.1839		3,949.8468
Paving	0.5293					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Total	1.3057	12.9503	19.9676	0.0378		0.5492	0.5492		0.5492	0.5492	0.0000	3,924.9845	3,924.9845	1.1839		3,949.8468

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	0.3635	6.4165	4.3404	0.0166	4.6730	0.1134	4.7864	1.1586	0.1043	1.2629		1,670.9728	1,670.9728	0.0108		1,671.1985
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	0.0366	0.0482	0.4887	1.2200e-003	0.1118	7.0000e-004	0.1125	0.0296	6.4000e-004	0.0303		101.3987	101.3987	4.7900e-003		101.4992
Total	0.4001	6.4647	4.8290	0.0178	4.7848	0.1141	4.8989	1.1882	0.1049	1.2932		1,772.3715	1,772.3715	0.0155		1,772.6977

3.28 Paving 1 - 2017**Unmitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	2.9451	33.5783	17.5545	0.0378		1.4486	1.4486		1.3327	1.3327		3,860.5983	3,860.5983	1.1829		3,885.4388
Paving	0.5293					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Total	3.4744	33.5783	17.5545	0.0378		1.4486	1.4486		1.3327	1.3327		3,860.5983	3,860.5983	1.1829		3,885.4388

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	0.3370	5.8702	4.1726	0.0166	0.4292	0.1042	0.5335	0.1169	0.0959	0.2128		1,642.6478	1,642.6478	0.0105		1,642.8683
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	0.0327	0.0432	0.4376	1.2200e-003	0.1118	6.8000e-004	0.1125	0.0296	6.3000e-004	0.0303		97.3731	97.3731	4.3900e-003		97.4653
Total	0.3696	5.9134	4.6101	0.0178	0.5410	0.1049	0.6459	0.1466	0.0965	0.2431		1,740.0209	1,740.0209	0.0149		1,740.3336

3.28 Paving 1 - 2017**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	0.7764	12.9503	19.9676	0.0378		0.5492	0.5492		0.5492	0.5492	0.0000	3,860.598 3	3,860.598 3	1.1829		3,885.438 8
Paving	0.5293					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Total	1.3057	12.9503	19.9676	0.0378		0.5492	0.5492		0.5492	0.5492	0.0000	3,860.598 3	3,860.598 3	1.1829		3,885.438 8

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	0.3370	5.8702	4.1726	0.0166	0.4292	0.1042	0.5335	0.1169	0.0959	0.2128		1,642.647 8	1,642.647 8	0.0105		1,642.868 3
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	0.0327	0.0432	0.4376	1.2200e-003	0.1118	6.8000e-004	0.1125	0.0296	6.3000e-004	0.0303		97.3731	97.3731	4.3900e-003		97.4653
Total	0.3696	5.9134	4.6101	0.0178	0.5410	0.1049	0.6459	0.1466	0.0965	0.2431		1,740.020 9	1,740.020 9	0.0149		1,740.333 6

3.29 Roofing & Overhead Work 4 - 2016**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	1.9532	24.8275	14.3833	0.0291		1.0194	1.0194		0.9379	0.9379		3,017.0957	3,017.0957	0.9101		3,036.2070
Total	1.9532	24.8275	14.3833	0.0291		1.0194	1.0194		0.9379	0.9379		3,017.0957	3,017.0957	0.9101		3,036.2070

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	3.4481	35.7856	41.5632	0.0869	2.6173	0.6836	3.3009	0.7476	0.6287	1.3763		8,713.1896	8,713.1896	0.0591		8,714.4311
Worker	0.1462	0.1928	1.9546	4.9000e-003	0.4471	2.8000e-003	0.4499	0.1186	2.5700e-003	0.1211		405.5948	405.5948	0.0191		405.9968
Total	3.5943	35.9783	43.5177	0.0918	3.0644	0.6864	3.7508	0.8662	0.6312	1.4974		9,118.7844	9,118.7844	0.0783		9,120.4278

3.29 Roofing & Overhead Work 4 - 2016**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	0.6549	4.7424	13.9381	0.0291		0.2713	0.2713		0.2529	0.2529	0.0000	3,017.0957	3,017.0957	0.9101		3,036.2070
Total	0.6549	4.7424	13.9381	0.0291		0.2713	0.2713		0.2529	0.2529	0.0000	3,017.0957	3,017.0957	0.9101		3,036.2070

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	3.4481	35.7856	41.5632	0.0869	2.6173	0.6836	3.3009	0.7476	0.6287	1.3763		8,713.1896	8,713.1896	0.0591		8,714.4311
Worker	0.1462	0.1928	1.9546	4.9000e-003	0.4471	2.8000e-003	0.4499	0.1186	2.5700e-003	0.1211		405.5948	405.5948	0.0191		405.9968
Total	3.5943	35.9783	43.5177	0.0918	3.0644	0.6864	3.7508	0.8662	0.6312	1.4974		9,118.7844	9,118.7844	0.0783		9,120.4278

3.29 Roofing & Overhead Work 4 - 2017**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	1.8355	22.9768	13.4999	0.0290		0.9319	0.9319		0.8573	0.8573		2,966.7690	2,966.7690	0.9090		2,985,8582
Total	1.8355	22.9768	13.4999	0.0290		0.9319	0.9319		0.8573	0.8573		2,966.7690	2,966.7690	0.9090		2,985,8582

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	3.1077	32.4347	39.2591	0.0867	2.6174	0.6124	3.2297	0.7476	0.5632	1.3109		8,565.8302	8,565.8302	0.0571		8,567.0286
Worker	0.1306	0.1728	1.7503	4.9000e-003	0.4471	2.7200e-003	0.4498	0.1186	2.5100e-003	0.1211		389.4924	389.4924	0.0176		389.8612
Total	3.2383	32.6075	41.0093	0.0916	3.0645	0.6151	3.6796	0.8662	0.5657	1.4319		8,955.3226	8,955.3226	0.0746		8,956.8898

3.29 Roofing & Overhead Work 4 - 2017**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	0.6303	4.5315	13.9135	0.0290		0.2489	0.2489		0.2324	0.2324	0.0000	2,966.7690	2,966.7690	0.9090		2,985,8582
Total	0.6303	4.5315	13.9135	0.0290		0.2489	0.2489		0.2324	0.2324	0.0000	2,966.7690	2,966.7690	0.9090		2,985,8582

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	3.1077	32.4347	39.2591	0.0867	2.6174	0.6124	3.2297	0.7476	0.5632	1.3109		8,565.8302	8,565.8302	0.0571		8,567.0286
Worker	0.1306	0.1728	1.7503	4.9000e-003	0.4471	2.7200e-003	0.4498	0.1186	2.5100e-003	0.1211		389.4924	389.4924	0.0176		389.8612
Total	3.2383	32.6075	41.0093	0.0916	3.0645	0.6151	3.6796	0.8662	0.5657	1.4319		8,955.3226	8,955.3226	0.0746		8,956.8898

3.30 Architectural Coating 4 - 2017**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	70.3674					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Off-Road	0.7600	9.9045	5.5622	0.0129		0.3625	0.3625		0.3335	0.3335		1,314.0950	1,314.0950	0.4026		1,322.5504
Total	71.1274	9.9045	5.5622	0.0129		0.3625	0.3625		0.3335	0.3335		1,314.0950	1,314.0950	0.4026		1,322.5504

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	0.6955	0.9203	9.3201	0.0261	2.3808	0.0145	2.3953	0.6314	0.0134	0.6448		2,074.0473	2,074.0473	0.0935		2,076.0107
Total	0.6955	0.9203	9.3201	0.0261	2.3808	0.0145	2.3953	0.6314	0.0134	0.6448		2,074.0473	2,074.0473	0.0935		2,076.0107

3.30 Architectural Coating 4 - 2017**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	70.3674					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Off-Road	0.1573	0.6818	5.7690	0.0129		0.0210	0.0210		0.0210	0.0210	0.0000	1,314.0950	1,314.0950	0.4026		1,322.5504
Total	70.5248	0.6818	5.7690	0.0129		0.0210	0.0210		0.0210	0.0210	0.0000	1,314.0950	1,314.0950	0.4026		1,322.5504

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	0.6955	0.9203	9.3201	0.0261	2.3808	0.0145	2.3953	0.6314	0.0134	0.6448		2,074.0473	2,074.0473	0.0935		2,076.0107
Total	0.6955	0.9203	9.3201	0.0261	2.3808	0.0145	2.3953	0.6314	0.0134	0.6448		2,074.0473	2,074.0473	0.0935		2,076.0107

3.31 Paving 4 - 2017**Unmitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	2.1245	24.1267	12.9756	0.0271		1.0924	1.0924		1.0050	1.0050		2,766.6324	2,766.6324	0.8477		2,784.4339
Paving	1.3085					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Total	3.4330	24.1267	12.9756	0.0271		1.0924	1.0924		1.0050	1.0050		2,766.6324	2,766.6324	0.8477		2,784.4339

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	0.1682	2.9291	2.0820	8.2600e-003	0.2030	0.0520	0.2551	0.0556	0.0479	0.1035		819.6315	819.6315	5.2400e-003		819.7415
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	0.0261	0.0346	0.3501	9.8000e-004	0.0894	5.4000e-004	0.0900	0.0237	5.0000e-004	0.0242		77.8985	77.8985	3.5100e-003		77.9722
Total	0.1943	2.9636	2.4320	9.2400e-003	0.2925	0.0526	0.3450	0.0793	0.0484	0.1277		897.5300	897.5300	8.7500e-003		897.7138

3.31 Paving 4 - 2017**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	0.5097	7.7946	14.1898	0.0271		0.3537	0.3537		0.3537	0.3537	0.0000	2,766.6324	2,766.6324	0.8477		2,784.4339
Paving	1.3085					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Total	1.8183	7.7946	14.1898	0.0271		0.3537	0.3537		0.3537	0.3537	0.0000	2,766.6324	2,766.6324	0.8477		2,784.4339

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	0.1682	2.9291	2.0820	8.2600e-003	0.2030	0.0520	0.2551	0.0556	0.0479	0.1035		819.6315	819.6315	5.2400e-003		819.7415
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	0.0261	0.0346	0.3501	9.8000e-004	0.0894	5.4000e-004	0.0900	0.0237	5.0000e-004	0.0242		77.8985	77.8985	3.5100e-003		77.9722
Total	0.1943	2.9636	2.4320	9.2400e-003	0.2925	0.0526	0.3450	0.0793	0.0484	0.1277		897.5300	897.5300	8.7500e-003		897.7138

3.32 Misc. Finishes 4 - 2017**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	0.8148	10.8150	6.3939	0.0143		0.3832	0.3832		0.3525	0.3525		1,459.550 1	1,459.550 1	0.4472		1,468.941 4
Total	0.8148	10.8150	6.3939	0.0143		0.3832	0.3832		0.3525	0.3525		1,459.550 1	1,459.550 1	0.4472		1,468.941 4

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	3.1077	32.4347	39.2591	0.0867	2.6174	0.6124	3.2297	0.7476	0.5632	1.3109		8,565.830 2	8,565.830 2	0.0571		8,567.028 6
Worker	0.1306	0.1728	1.7503	4.9000e-003	0.4471	2.7200e-003	0.4498	0.1186	2.5100e-003	0.1211		389.4924	389.4924	0.0176		389.8612
Total	3.2383	32.6075	41.0093	0.0916	3.0645	0.6151	3.6796	0.8662	0.5657	1.4319		8,955.322 6	8,955.322 6	0.0746		8,956.889 8

3.32 Misc. Finishes 4 - 2017**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	0.2122	1.5923	6.6007	0.0143		0.0417	0.0417		0.0400	0.0400	0.0000	1,459.550 1	1,459.550 1	0.4472		1,468.941 4
Total	0.2122	1.5923	6.6007	0.0143		0.0417	0.0417		0.0400	0.0400	0.0000	1,459.550 1	1,459.550 1	0.4472		1,468.941 4

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	3.1077	32.4347	39.2591	0.0867	2.6174	0.6124	3.2297	0.7476	0.5632	1.3109		8,565.830 2	8,565.830 2	0.0571		8,567.028 6
Worker	0.1306	0.1728	1.7503	4.9000e-003	0.4471	2.7200e-003	0.4498	0.1186	2.5100e-003	0.1211		389.4924	389.4924	0.0176		389.8612
Total	3.2383	32.6075	41.0093	0.0916	3.0645	0.6151	3.6796	0.8662	0.5657	1.4319		8,955.322 6	8,955.322 6	0.0746		8,956.889 8

3.33 Misc. Finishes 1 - 2017**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	1.6297	21.6300	12.7878	0.0286		0.7663	0.7663		0.7050	0.7050		2,919.1003	2,919.1003	0.8944		2,937.8828
Total	1.6297	21.6300	12.7878	0.0286		0.7663	0.7663		0.7050	0.7050		2,919.1003	2,919.1003	0.8944		2,937.8828

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	3.1077	32.4347	39.2591	0.0867	2.6174	0.6124	3.2297	0.7476	0.5632	1.3109		8,565.8302	8,565.8302	0.0571		8,567.0286
Worker	0.4082	0.5401	5.4695	0.0153	1.3972	8.4900e-003	1.4057	0.3706	7.8400e-003	0.3784		1,217.1639	1,217.1639	0.0549		1,218.3162
Total	3.5159	32.9748	44.7286	0.1020	4.0146	0.6209	4.6354	1.1182	0.5711	1.6892		9,782.9941	9,782.9941	0.1119		9,785.3448

3.33 Misc. Finishes 1 - 2017**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	0.4244	3.1847	13.2014	0.0286		0.0834	0.0834		0.0801	0.0801	0.0000	2,919.1003	2,919.1003	0.8944		2,937.8828
Total	0.4244	3.1847	13.2014	0.0286		0.0834	0.0834		0.0801	0.0801	0.0000	2,919.1003	2,919.1003	0.8944		2,937.8828

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	3.1077	32.4347	39.2591	0.0867	2.6174	0.6124	3.2297	0.7476	0.5632	1.3109		8,565.8302	8,565.8302	0.0571		8,567.0286
Worker	0.4082	0.5401	5.4695	0.0153	1.3972	8.4900e-003	1.4057	0.3706	7.8400e-003	0.3784		1,217.1639	1,217.1639	0.0549		1,218.3162
Total	3.5159	32.9748	44.7286	0.1020	4.0146	0.6209	4.6354	1.1182	0.5711	1.6892		9,782.9941	9,782.9941	0.1119		9,785.3448

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	0.0000	0.0000	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	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000

4.2 Trip Summary Information

Land Use	Average Daily Trip Rate			Unmitigated	Mitigated
	Weekday	Saturday	Sunday	Annual VMT	Annual VMT
General Light Industry	0.00	0.00	0.00		
Parking Lot	0.00	0.00	0.00		
Unrefrigerated Warehouse-No Rail	0.00	0.00	0.00		
Total	0.00	0.00	0.00		

4.3 Trip Type Information

Land Use	Miles			Trip %			Trip Purpose %		
	H-W or C-W	H-S or C-C	H-O or C-NW	H-W or C-W	H-S or C-C	H-O or C-NW	Primary	Diverted	Pass-by
General Light Industry	16.60	8.40	6.90	59.00	28.00	13.00	92	5	3
Parking Lot	16.60	8.40	6.90	0.00	0.00	0.00	0	0	0
Unrefrigerated Warehouse-No Rail	16.60	8.40	6.90	59.00	0.00	41.00	92	5	3

LDA	LDT1	LDT2	MDV	LHD1	LHD2	MHD	HHD	OBUS	UBUS	MCY	SBUS	MH
0.000000	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000

5.0 Energy Detail

5.1 Fleet Mix

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					
Parking Lot	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Unrefrigerated Warehouse-No Pail	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
General Light Industry	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					
Parking Lot	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Unrefrigerated Warehouse-No Pail	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
General Light Industry	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	50.2645	3.6800e-003	0.3886	3.0000e-005		1.4000e-003	1.4000e-003		1.4000e-003	1.4000e-003		0.8175	0.8175	2.2800e-003		0.8653
Unmitigated	50.2645	3.6800e-003	0.3886	3.0000e-005		1.4000e-003	1.4000e-003		1.4000e-003	1.4000e-003		0.8175	0.8175	2.2800e-003		0.8653

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	0.0000					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Consumer Products	50.2270					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Landscaping	0.0375	3.6800e-003	0.3886	3.0000e-005		1.4000e-003	1.4000e-003		1.4000e-003	1.4000e-003		0.8175	0.8175	2.2800e-003		0.8653
Total	50.2645	3.6800e-003	0.3886	3.0000e-005		1.4000e-003	1.4000e-003		1.4000e-003	1.4000e-003		0.8175	0.8175	2.2800e-003		0.8653

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	0.0000					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Consumer Products	50.2270					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Landscaping	0.0375	3.6800e-003	0.3886	3.0000e-005		1.4000e-003	1.4000e-003		1.4000e-003	1.4000e-003		0.8175	0.8175	2.2800e-003		0.8653
Total	50.2645	3.6800e-003	0.3886	3.0000e-005		1.4000e-003	1.4000e-003		1.4000e-003	1.4000e-003		0.8175	0.8175	2.2800e-003		0.8653

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 Vegetation

MoVal Logistics Center- Construction
Riverside-South Coast County, Summer

1.0 Project Characteristics

1.1 Land Usage

Land Uses	Size	Metric	Lot Acreage	Floor Surface Area	Population
General Light Industry	385.75	1000sqft	16.70	385,748.00	0
Unrefrigerated Warehouse-No Rail	1,351.77	1000sqft	50.14	1,351,770.00	0
Parking Lot	1,998.00	Space	17.98	799,200.00	0

1.2 Other Project Characteristics

Urbanization	Urban	Wind Speed (m/s)	2.4	Precipitation Freq (Days)	28
Climate Zone	10			Operational Year	2017
Utility Company	Southern California Edison				
CO2 Intensity (lb/MW hr)	515.47	CH4 Intensity (lb/MW hr)	0.029	N2O Intensity (lb/MW hr)	0.006

1.3 User Entered Comments & Non-Default Data

Project Characteristics - CPUC GHG Calculator version 3c, worksheet tab "CO2 Allocations," cells AH/AQ 35-44.

Land Use - Total Lot Acreage:84.82; A trailer parking space requires significantly more space than one regular parking space. Therefore, for analysis purposes, 1 trailer parking=3.27 parking spaces.

Construction Phase - Based on client specifications

Off-road Equipment - Based on client specifications

Off-road Equipment - Based on client specifications

Off-road Equipment - Based on client specifications

Off-road Equipment - Based on client specifications

Off-road Equipment - Based on client specifications

Off-road Equipment - Based on client specifications

Off-road Equipment - Based on client specifications

Off-road Equipment - Based on client specifications

Off-road Equipment - Based on client specifications

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Off-road Equipment - Based on client specifications

Off-road Equipment - Based on client specifications

Off-road Equipment - Based on client specifications

Off-road Equipment - Based on client specifications

Off-road Equipment - Based on client specifications

Off-road Equipment - Based on client specifications

Off-road Equipment - Based on client specifications

Trips and VMT - Based on client specifications

Grading -

Architectural Coating - Based on client specifications; Use 50g/L Low VOC Paint

Vehicle Trips - Construction run only

Vehicle Emission Factors - Construction run only

Vehicle Emission Factors - Construction run only

Vehicle Emission Factors - Construction run only

Road Dust - Construction run only

Consumer Products - Construction run only

Area Coating - Construction run only

Landscape Equipment - Construction run only

Energy Use - Construction run only

Water And Wastewater - Construction run only

Solid Waste - Construction run only

Construction Off-road Equipment Mitigation - Based on client specifications

Table Name	Column Name	Default Value	New Value
tblArchitecturalCoating	ConstArea_Nonresidential_Exterior	880,747.00	243,073.00
tblArchitecturalCoating	ConstArea_Nonresidential_Exterior	880,747.00	43,746.00
tblArchitecturalCoating	ConstArea_Nonresidential_Exterior	880,747.00	60,727.00
tblArchitecturalCoating	ConstArea_Nonresidential_Exterior	880,747.00	51,832.00
tblArchitecturalCoating	ConstArea_Nonresidential_Interior	2,642,241.00	243,073.00
tblArchitecturalCoating	ConstArea_Nonresidential_Interior	2,642,241.00	43,746.00
tblArchitecturalCoating	ConstArea_Nonresidential_Interior	2,642,241.00	60,727.00
tblArchitecturalCoating	ConstArea_Nonresidential_Interior	2,642,241.00	51,832.00
tblArchitecturalCoating	EF_Nonresidential_Exterior	250.00	50.00
tblArchitecturalCoating	EF_Nonresidential_Exterior	250.00	50.00
tblArchitecturalCoating	EF_Nonresidential_Exterior	250.00	50.00
tblArchitecturalCoating	EF_Nonresidential_Exterior	250.00	50.00
tblArchitecturalCoating	EF_Nonresidential_Interior	250.00	50.00
tblArchitecturalCoating	EF_Nonresidential_Interior	250.00	50.00
tblArchitecturalCoating	EF_Nonresidential_Interior	250.00	50.00

tblArchitecturalCoating	EF_Nonresidential_Interior	250.00	50.00
tblAreaCoating	ReapplicationRatePercent	10	0
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	4.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	5.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	4.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	2.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	61.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	6.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	5.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	14.00
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tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	15.00
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tblConstEquipMitigation	Tier	No Change	Tier 3
tblConstEquipMitigation	Tier	No Change	Tier 2
tblConstEquipMitigation	Tier	No Change	Tier 4 Final
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tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstEquipMitigation	Tier	No Change	Tier 3
tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstEquipMitigation	Tier	No Change	Tier 3
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tblConstructionPhase	NumDays	110.00	39.00
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tblConstructionPhase	NumDays	1,550.00	50.00
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tblConstructionPhase	NumDays	155.00	12.00
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tblConstructionPhase	NumDays	110.00	28.00
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tblConstructionPhase	NumDays	110.00	36.00
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tblConstructionPhase	PhaseEndDate	3/6/2017	1/30/2017
tblConstructionPhase	PhaseEndDate	2/10/2017	1/2/2017

tblConstructionPhase	PhaseEndDate	2/24/2017	2/7/2017
tblConstructionPhase	PhaseEndDate	11/18/2016	10/25/2016
tblConstructionPhase	PhaseEndDate	1/4/2017	11/23/2016
tblConstructionPhase	PhaseEndDate	1/27/2017	12/5/2016
tblConstructionPhase	PhaseEndDate	1/4/2017	10/31/2016
tblConstructionPhase	PhaseEndDate	11/28/2016	11/22/2016
tblConstructionPhase	PhaseEndDate	12/23/2016	11/29/2016
tblConstructionPhase	PhaseEndDate	2/3/2017	1/5/2017
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tblConstructionPhase	PhaseEndDate	1/30/2017	12/22/2016
tblConstructionPhase	PhaseEndDate	1/24/2017	12/26/2016
tblConstructionPhase	PhaseEndDate	3/10/2017	1/17/2017
tblConstructionPhase	PhaseEndDate	5/30/2017	1/27/2017
tblConstructionPhase	PhaseEndDate	4/14/2017	2/28/2017
tblConstructionPhase	PhaseEndDate	5/30/2017	4/20/2017
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tblConstructionPhase	PhaseEndDate	11/9/2016	9/29/2016
tblConstructionPhase	PhaseEndDate	10/17/2016	8/19/2016
tblConstructionPhase	PhaseEndDate	10/24/2016	9/14/2016
tblConstructionPhase	PhaseEndDate	2/14/2017	12/15/2016
tblConstructionPhase	PhaseEndDate	2/2/2017	1/10/2017
tblConstructionPhase	PhaseEndDate	5/5/2017	4/26/2017
tblConstructionPhase	PhaseEndDate	3/29/2017	3/2/2017
tblConstructionPhase	PhaseEndDate	12/13/2016	10/26/2016
tblConstructionPhase	PhaseEndDate	12/5/2016	11/15/2016
tblConstructionPhase	PhaseEndDate	12/9/2016	8/31/2016
tblConstructionPhase	PhaseEndDate	10/5/2016	9/28/2016
tblConstructionPhase	PhaseStartDate	12/16/2016	11/14/2016

tblConstructionPhase	PhaseStartDate	1/11/2017	12/7/2016
tblConstructionPhase	PhaseStartDate	1/18/2017	12/8/2016
tblConstructionPhase	PhaseStartDate	1/28/2017	1/11/2017
tblConstructionPhase	PhaseStartDate	9/15/2016	8/22/2016
tblConstructionPhase	PhaseStartDate	10/27/2016	9/15/2016
tblConstructionPhase	PhaseStartDate	11/24/2016	9/30/2016
tblConstructionPhase	PhaseStartDate	12/6/2016	9/30/2016
tblConstructionPhase	PhaseStartDate	11/1/2016	10/26/2016
tblConstructionPhase	PhaseStartDate	11/23/2016	10/28/2016
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tblConstructionPhase	PhaseStartDate	12/8/2016	11/18/2016
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tblConstructionPhase	PhaseStartDate	12/23/2016	11/24/2016
tblConstructionPhase	PhaseStartDate	1/31/2017	12/8/2016
tblConstructionPhase	PhaseStartDate	4/27/2017	12/27/2016
tblConstructionPhase	PhaseStartDate	3/3/2017	1/17/2017
tblConstructionPhase	PhaseStartDate	3/1/2017	1/20/2017
tblConstructionPhase	PhaseStartDate	11/16/2016	7/1/2016
tblConstructionPhase	PhaseStartDate	9/1/2016	7/22/2016
tblConstructionPhase	PhaseStartDate	9/30/2016	8/4/2016
tblConstructionPhase	PhaseStartDate	9/29/2016	8/22/2016
tblConstructionPhase	PhaseStartDate	1/6/2017	11/8/2016
tblConstructionPhase	PhaseStartDate	12/27/2016	12/2/2016
tblConstructionPhase	PhaseStartDate	1/3/2017	12/23/2016
tblConstructionPhase	PhaseStartDate	2/8/2017	1/12/2017
tblConstructionPhase	PhaseStartDate	10/26/2016	9/8/2016
tblConstructionPhase	PhaseStartDate	7/21/2016	7/1/2016
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[illegible]

[illegible]

[illegible]

[illegible]

[illegible]

[illegible]

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[illegible]

[illegible]

[illegible]

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tblProjectCharacteristics	CO2IntensityFactor	630.89	515.47
tblProjectCharacteristics	OperationalYear	2014	2017
tblRoadDust	RoadPercentPave	100	0
tblSolidWaste	SolidWasteGenerationRate	478.33	0.00
tblSolidWaste	SolidWasteGenerationRate	1,270.66	0.00
tblTripsAndVMT	HaulingTripNumber	0.00	1,078.00
tblTripsAndVMT	HaulingTripNumber	0.00	1,758.00
tblTripsAndVMT	HaulingTripNumber	0.00	728.00
tblTripsAndVMT	HaulingTripNumber	0.00	778.00
tblTripsAndVMT	HaulingTripNumber	0.00	4,152.00
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tblTripsAndVMT	WorkerTripNumber	1,065.00	125.00
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tblTripsAndVMT	WorkerTripNumber	1,065.00	125.00
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tblVehicleEF	HHD	0.04	0.00
tblVehicleEF	LDA	0.46	0.00
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tblVehicleEF	LDT1	0.07	0.00
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tblVehicleEF	LDT2	0.18	0.00
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tblVehicleEF	OBUS	9.5400e-004	0.00
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tblVehicleEF	SBUS	8.8400e-004	0.00
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tblVehicleEF	UBUS	1.0560e-003	0.00
tblVehicleEF	UBUS	1.0560e-003	0.00
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tblVehicleTrips	ST_TR	1.32	0.00
tblVehicleTrips	ST_TR	2.59	0.00
tblVehicleTrips	SU_TR	0.68	0.00
tblVehicleTrips	SU_TR	2.59	0.00
tblVehicleTrips	WD_TR	6.97	0.00
tblVehicleTrips	WD_TR	2.59	0.00
tblWater	IndoorWaterUseRate	89,204,687.50	0.00

tblWater	IndoorWaterUseRate	312,596,812.50	0.00

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					
2016	80.9373	598.5127	431.2709	1.0331	28.1237	21.3206	40.3515	7.5128	19.6139	23.9788	0.0000	104,236.1265	104,236.1265	15.7195	0.0000	104,566.2359
2017	69.9069	293.6501	247.9141	0.6211	17.5516	9.3880	26.9396	4.8039	8.6365	13.4404	0.0000	60,482.5370	60,482.5370	7.3431	0.0000	60,636.7423
Total	150.8443	892.1628	679.1850	1.6542	45.6753	30.7085	67.2910	12.3167	28.2504	37.4192	0.0000	164,718.6635	164,718.6635	23.0626	0.0000	165,202.9782

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					
2016	68.3919	314.9808	438.9831	1.0331	28.1237	8.4767	33.3071	7.5128	8.0418	13.8719	0.0000	104,236.1264	104,236.1264	15.7195	0.0000	104,566.2359
2017	60.0972	155.2407	253.8161	0.6211	17.5516	3.9938	21.5454	4.8039	3.7646	8.5684	0.0000	60,482.5370	60,482.5370	7.3431	0.0000	60,636.7423
Total	128.4891	470.2214	692.7992	1.6542	45.6753	12.4705	54.8525	12.3167	11.8064	22.4403	0.0000	164,718.6634	164,718.6634	23.0626	0.0000	165,202.9781

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N2O	CO2e
Percent Reduction	14.82	47.29	-2.00	0.00	0.00	59.39	18.48	0.00	58.21	40.03	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	50.2645	3.6800e-003	0.3886	3.0000e-005		1.4000e-003	1.4000e-003		1.4000e-003	1.4000e-003		0.8175	0.8175	2.2800e-003		0.8653
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	0.0000	0.0000	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	50.2645	3.6800e-003	0.3886	3.0000e-005	0.0000	1.4000e-003	1.4000e-003	0.0000	1.4000e-003	1.4000e-003		0.8175	0.8175	2.2800e-003	0.0000	0.8653

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	50.2645	3.6800e-003	0.3886	3.0000e-005		1.4000e-003	1.4000e-003		1.4000e-003	1.4000e-003		0.8175	0.8175	2.2800e-003		0.8653
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	0.0000	0.0000	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	50.2645	3.6800e-003	0.3886	3.0000e-005	0.0000	1.4000e-003	1.4000e-003	0.0000	1.4000e-003	1.4000e-003		0.8175	0.8175	2.2800e-003	0.0000	0.8653

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N2O	CO2e
Percent Reduction	0.00	0.00	0.00	0.00	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	Grading 1	Grading	4/29/2016	6/30/2016	5	45	
2	Grading 2	Grading	7/1/2016	7/20/2016	5	14	
3	Trenching 1	Trenching	7/1/2016	11/15/2016	5	98	
4	Concrete Shell 1	Building Construction	7/1/2016	10/24/2016	5	82	
5	Trenching 2	Trenching	7/15/2016	8/31/2016	5	34	
6	Concrete Shell 2	Building Construction	7/22/2016	9/29/2016	5	50	
7	Grading 3	Grading	8/4/2016	8/19/2016	5	12	
8	Trenching 3	Trenching	8/15/2016	9/28/2016	5	33	
9	Grading 4	Grading	8/22/2016	9/14/2016	5	18	
10	Concrete Shell 3	Building Construction	8/22/2016	10/25/2016	5	47	
11	Trenching 4	Trenching	9/8/2016	10/26/2016	5	35	
12	Concrete Shell 4	Building Construction	9/15/2016	11/23/2016	5	50	
13	Steel & Roof 1	Building Construction	9/30/2016	12/5/2016	5	47	
14	Steel & Roof 2	Building Construction	9/30/2016	10/31/2016	5	22	
15	Steel & Roof 3	Building Construction	10/26/2016	11/22/2016	5	20	
16	Roofing & Overhead Work 2	Building Construction	10/28/2016	11/29/2016	5	23	
17	Roofing & Overhead Work 1	Building Construction	11/1/2016	1/5/2017	5	48	
18	Paving 2	Paving	11/8/2016	12/15/2016	5	28	
19	Architectural Coating 2	Architectural Coating	11/14/2016	12/7/2016	5	18	

20	Misc. Finishes 2	Building Construction	11/18/2016	12/29/2016	5	30
21	Roofing & Overhead Work 3	Building Construction	11/23/2016	12/22/2016	5	22
22	Steel & Roof 4	Building Construction	11/24/2016	12/26/2016	5	23
23	Paving 3	Paving	12/2/2016	1/10/2017	5	28
24	Architectural Coating 1	Architectural Coating	12/7/2016	1/30/2017	5	39
25	Misc. Finishes 3	Building Construction	12/8/2016	1/17/2017	5	29
26	Architectural Coating 3	Architectural Coating	12/8/2016	1/2/2017	5	18
27	Paving 1	Paving	12/23/2016	4/26/2017	5	89
28	Roofing & Overhead Work 4	Building Construction	12/27/2016	1/27/2017	5	24
29	Architectural Coating 4	Architectural Coating	1/11/2017	2/7/2017	5	20
30	Paving 4	Paving	1/12/2017	3/2/2017	5	36
31	Misc. Finishes 4	Building Construction	1/17/2017	2/28/2017	5	31
32	Misc. Finishes 1	Building Construction	1/20/2017	4/20/2017	5	65

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: 51,832; Non-Residential Outdoor: 51,832 (Architectural Coating – sqft)

OffRoad Equipment

Phase Name	Offroad Equipment Type	Amount	Usage Hours	Horse Power	Load Factor
Grading 1	Crawler Tractors	1	8.00	410	0.43
Grading 1	Excavators	0	8.00	162	0.38
Grading 1	Graders	1	8.00	302	0.41
Grading 1	Off-Highway Tractors	2	8.00	485	0.44
Grading 1	Other Construction Equipment	2	8.00	354	0.44
Grading 1	Other General Industrial Equipment	3	8.00	330	0.37

Grading 1	Rubber Tired Dozers	1	8.00	451	0.40
Grading 1	Rubber Tired Loaders	1	8.00	350	0.36
Grading 1	Scrapers	8	8.00	452	0.48
Grading 1	Tractors/Loaders/Backhoes	0	8.00	97	0.37
Grading 2	Cranes	0	7.00	226	0.29
Grading 2	Crawler Tractors	1	8.00	410	0.43
Grading 2	Excavators	0	8.00	162	0.38
Grading 2	Forklifts	0	8.00	89	0.20
Grading 2	Generator Sets	0	8.00	84	0.74
Grading 2	Graders	1	8.00	302	0.41
Grading 2	Other Construction Equipment	1	8.00	354	0.42
Grading 2	Other General Industrial Equipment	1	8.00	330	0.37
Grading 2	Pavers	0	8.00	125	0.42
Grading 2	Paving Equipment	0	8.00	49	0.36
Grading 2	Rollers	0	8.00	80	0.38
Grading 2	Rubber Tired Dozers	0	8.00	255	0.40
Grading 2	Rubber Tired Loaders	1	8.00	350	0.36
Grading 2	Scrapers	3	8.00	452	0.48
Grading 2	Tractors/Loaders/Backhoes	0	8.00	110	0.37
Grading 2	Welders	0	8.00	46	0.45
Trenching 1	Excavators	2	8.00	268	0.38
Trenching 1	Other Construction Equipment	2	8.00	354	0.42
Trenching 1	Other Material Handling Equipment	2	8.00	249	0.40
Trenching 1	Rubber Tired Loaders	2	8.00	350	0.36
Trenching 1	Tractors/Loaders/Backhoes	2	8.00	110	0.37
Concrete Shell 1	Cranes	0	7.00	226	0.29
Concrete Shell 1	Excavators	0	8.00	268	0.38
Concrete Shell 1	Forklifts	0	8.00	89	0.20

Concrete Shell 1	Generator Sets	0	8.00	84	0.74
Concrete Shell 1	Other Construction Equipment	5	8.00	354	0.42
Concrete Shell 1	Other Material Handling Equipment	0	8.00	249	0.43
Concrete Shell 1	Pavers	0	8.00	125	0.42
Concrete Shell 1	Paving Equipment	0	8.00	49	0.36
Concrete Shell 1	Rollers	0	8.00	80	0.38
Concrete Shell 1	Rubber Tired Loaders	0	8.00	350	0.36
Concrete Shell 1	Surfacing Equipment	0	8.00	350	0.30
Concrete Shell 1	Tractors/Loaders/Backhoes	4	8.00	110	0.37
Concrete Shell 1	Welders	0	8.00	46	0.45
Trenching 2	Excavators	1	8.00	268	0.38
Trenching 2	Other Construction Equipment	1	8.00	354	0.42
Trenching 2	Other Material Handling Equipment	1	8.00	249	0.43
Trenching 2	Rubber Tired Loaders	1	8.00	350	0.36
Trenching 2	Tractors/Loaders/Backhoes	1	8.00	110	0.37
Concrete Shell 2	Air Compressors	0	6.00	78	0.48
Concrete Shell 2	Cranes	0	7.00	226	0.29
Concrete Shell 2	Forklifts	0	8.00	89	0.20
Concrete Shell 2	Generator Sets	0	8.00	84	0.74
Concrete Shell 2	Other Construction Equipment	4	8.00	354	0.42
Concrete Shell 2	Tractors/Loaders/Backhoes	2	8.00	110	0.37
Concrete Shell 2	Welders	0	8.00	46	0.45
Grading 3	Air Compressors	0	6.00	78	0.48
Grading 3	Cranes	0	8.00	215	0.29
Grading 3	Crawler Tractors	1	8.00	410	0.43
Grading 3	Excavators	0	8.00	162	0.38
Grading 3	Forklifts	0	8.00	89	0.20
Grading 3	Generator Sets	0	8.00	84	0.74

Grading 3	Graders	1	8.00	302	0.41
Grading 3	Off-Highway Tractors	0	8.00	485	0.44
Grading 3	Other Construction Equipment	1	8.00	354	0.42
Grading 3	Other General Industrial Equipment	1	8.00	330	0.34
Grading 3	Rubber Tired Dozers	0	8.00	255	0.40
Grading 3	Rubber Tired Loaders	1	8.00	350	0.36
Grading 3	Scrapers	3	8.00	452	0.48
Grading 3	Surfacing Equipment	0	8.00	350	0.30
Grading 3	Tractors/Loaders/Backhoes	0	8.00	97	0.37
Grading 3	Welders	0	8.00	46	0.45
Trenching 3	Excavators	1	8.00	268	0.38
Trenching 3	Other Construction Equipment	1	8.00	354	0.42
Trenching 3	Other Material Handling Equipment	1	8.00	249	0.43
Trenching 3	Rubber Tired Loaders	1	8.00	350	0.36
Trenching 3	Tractors/Loaders/Backhoes	1	8.00	110	0.37
Grading 4	Aerial Lifts	0	8.00	48	0.31
Grading 4	Cranes	0	8.00	215	0.29
Grading 4	Crawler Tractors	1	8.00	410	0.43
Grading 4	Excavators	0	8.00	162	0.38
Grading 4	Forklifts	0	8.00	110	0.20
Grading 4	Generator Sets	0	8.00	84	0.74
Grading 4	Graders	1	8.00	302	0.41
Grading 4	Other Construction Equipment	1	8.00	354	0.42
Grading 4	Other General Industrial Equipment	1	8.00	330	0.34
Grading 4	Rubber Tired Dozers	0	8.00	255	0.40
Grading 4	Rubber Tired Loaders	1	8.00	350	0.36
Grading 4	Scrapers	3	8.00	452	0.48
Grading 4	Tractors/Loaders/Backhoes	0	8.00	110	0.37

Grading 4	Welders	0	8.00	46	0.45
Concrete Shell 3	Cranes	0	7.00	226	0.29
Concrete Shell 3	Forklifts	0	8.00	89	0.20
Concrete Shell 3	Generator Sets	0	8.00	84	0.74
Concrete Shell 3	Other Construction Equipment	4	8.00	354	0.42
Concrete Shell 3	Tractors/Loaders/Backhoes	2	8.00	110	0.37
Concrete Shell 3	Welders	0	8.00	46	0.45
Trenching 4	Excavators	1	8.00	268	0.38
Trenching 4	Other Construction Equipment	1	8.00	354	0.42
Trenching 4	Other Material Handling Equipment	1	8.00	249	0.40
Trenching 4	Rubber Tired Loaders	1	8.00	350	0.36
Trenching 4	Tractors/Loaders/Backhoes	1	8.00	110	0.37
Concrete Shell 4	Air Compressors	0	6.00	78	0.48
Concrete Shell 4	Cranes	0	7.00	226	0.29
Concrete Shell 4	Excavators	0	8.00	268	0.38
Concrete Shell 4	Forklifts	0	8.00	89	0.20
Concrete Shell 4	Generator Sets	0	8.00	84	0.74
Concrete Shell 4	Other Construction Equipment	4	8.00	354	0.42
Concrete Shell 4	Other Material Handling Equipment	0	8.00	249	0.40
Concrete Shell 4	Rubber Tired Loaders	0	8.00	350	0.36
Concrete Shell 4	Tractors/Loaders/Backhoes	2	8.00	110	0.37
Concrete Shell 4	Welders	0	8.00	46	0.45
Steel & Roof 1	Aerial Lifts	0	8.00	48	0.31
Steel & Roof 1	Air Compressors	0	6.00	78	0.48
Steel & Roof 1	Cranes	2	8.00	215	0.29
Steel & Roof 1	Forklifts	0	8.00	89	0.20
Steel & Roof 1	Forklifts	0	8.00	89	0.20
Steel & Roof 1	Generator Sets	0	8.00	84	0.74

Steel & Roof 1	Other Construction Equipment	3	8.00	354	0.42
Steel & Roof 1	Pavers	0	8.00	125	0.42
Steel & Roof 1	Paving Equipment	0	8.00	130	0.36
Steel & Roof 1	Rollers	0	8.00	80	0.38
Steel & Roof 1	Rubber Tired Loaders	0	8.00	350	0.36
Steel & Roof 1	Tractors/Loaders/Backhoes	0	7.00	97	0.37
Steel & Roof 1	Trenchers	0	8.00	81	0.50
Steel & Roof 1	Welders	0	8.00	46	0.45
Steel & Roof 2	Aerial Lifts	0	8.00	48	0.31
Steel & Roof 2	Air Compressors	0	6.00	78	0.48
Steel & Roof 2	Cranes	1	8.00	215	0.29
Steel & Roof 2	Crawler Tractors	0	8.00	410	0.43
Steel & Roof 2	Excavators	0	8.00	162	0.38
Steel & Roof 2	Forklifts	0	8.00	89	0.20
Steel & Roof 2	Forklifts	0	8.00	89	0.20
Steel & Roof 2	Generator Sets	0	8.00	84	0.74
Steel & Roof 2	Graders	0	8.00	302	0.41
Steel & Roof 2	Off-Highway Tractors	0	8.00	485	0.44
Steel & Roof 2	Other Construction Equipment	2	8.00	354	0.42
Steel & Roof 2	Rubber Tired Dozers	0	8.00	255	0.40
Steel & Roof 2	Scrapers	0	8.00	452	0.48
Steel & Roof 2	Surfacing Equipment	0	8.00	350	0.30
Steel & Roof 2	Tractors/Loaders/Backhoes	0	7.00	97	0.37
Steel & Roof 2	Welders	0	8.00	46	0.45
Steel & Roof 3	Aerial Lifts	0	8.00	48	0.31
Steel & Roof 3	Cranes	1	8.00	215	0.29
Steel & Roof 3	Forklifts	0	8.00	110	0.20
Steel & Roof 3	Generator Sets	0	8.00	84	0.74

Steel & Roof 3	Other Construction Equipment	2	8.00	354	0.42
Steel & Roof 3	Tractors/Loaders/Backhoes	0	8.00	110	0.37
Steel & Roof 3	Welders	0	8.00	46	0.45
Roofing & Overhead Work 2	Aerial Lifts	1	8.00	48	0.31
Roofing & Overhead Work 2	Air Compressors	0	6.00	78	0.48
Roofing & Overhead Work 2	Cranes	0	8.00	215	0.29
Roofing & Overhead Work 2	Crawler Tractors	0	8.00	249	0.43
Roofing & Overhead Work 2	Excavators	0	8.00	268	0.38
Roofing & Overhead Work 2	Forklifts	1	8.00	110	0.20
Roofing & Overhead Work 2	Generator Sets	0	8.00	84	0.74
Roofing & Overhead Work 2	Graders	0	8.00	302	0.41
Roofing & Overhead Work 2	Graders	0	8.00	302	0.41
Roofing & Overhead Work 2	Off-Highway Tractors	0	8.00	451	0.44
Roofing & Overhead Work 2	Other Construction Equipment	2	8.00	354	0.42
Roofing & Overhead Work 2	Other General Industrial Equipment	0	8.00	330	0.34
Roofing & Overhead Work 2	Pavers	0	8.00	125	0.42
Roofing & Overhead Work 2	Paving Equipment	0	8.00	130	0.36
Roofing & Overhead Work 2	Rollers	0	8.00	80	0.38
Roofing & Overhead Work 2	Rubber Tired Dozers	0	8.00	255	0.40
Roofing & Overhead Work 2	Rubber Tired Loaders	0	8.00	350	0.36
Roofing & Overhead Work 2	Scrapers	0	8.00	330	0.48
Roofing & Overhead Work 2	Tractors/Loaders/Backhoes	0	8.00	110	0.37
Roofing & Overhead Work 2	Welders	0	8.00	46	0.45
Roofing & Overhead Work 1	Aerial Lifts	3	8.00	48	0.31
Roofing & Overhead Work 1	Air Compressors	0	6.00	78	0.48
Roofing & Overhead Work 1	Cranes	0	8.00	215	0.29
Roofing & Overhead Work 1	Excavators	0	8.00	268	0.38
Roofing & Overhead Work 1	Forklifts	2	8.00	110	0.20

Roofing & Overhead Work 1	Generator Sets	0	8.00	84	0.74
Roofing & Overhead Work 1	Other Construction Equipment	3	8.00	354	0.42
Roofing & Overhead Work 1	Other Material Handling Equipment	0	8.00	249	0.43
Roofing & Overhead Work 1	Rubber Tired Loaders	0	8.00	350	0.36
Roofing & Overhead Work 1	Tractors/Loaders/Backhoes	0	8.00	110	0.37
Roofing & Overhead Work 1	Welders	0	8.00	46	0.45
Paving 2	Aerial Lifts	0	8.00	48	0.31
Paving 2	Cranes	0	7.00	226	0.29
Paving 2	Crawler Tractors	0	8.00	249	0.43
Paving 2	Excavators	0	8.00	268	0.38
Paving 2	Forklifts	0	8.00	110	0.20
Paving 2	Generator Sets	0	8.00	84	0.74
Paving 2	Graders	0	8.00	174	0.41
Paving 2	Other Construction Equipment	1	8.00	354	0.42
Paving 2	Pavers	0	8.00	125	0.42
Paving 2	Paving Equipment	0	8.00	130	0.36
Paving 2	Rollers	0	8.00	80	0.38
Paving 2	Rubber Tired Dozers	0	8.00	255	0.40
Paving 2	Rubber Tired Loaders	1	8.00	350	0.36
Paving 2	Scrapers	0	8.00	361	0.48
Paving 2	Surfacing Equipment	0	8.00	350	0.30
Paving 2	Tractors/Loaders/Backhoes	0	8.00	110	0.37
Paving 2	Trenchers	1	8.00	81	0.50
Paving 2	Welders	0	8.00	46	0.45
Architectural Coating 2	Air Compressors	0	6.00	78	0.48
Architectural Coating 2	Other Construction Equipment	1	8.00	354	0.42
Misc. Finishes 2	Aerial Lifts	1	8.00	48	0.31
Misc. Finishes 2	Cranes	0	7.00	226	0.29

Misc. Finishes 2	Forklifts	0	8.00	89	0.20
Misc. Finishes 2	Generator Sets	0	8.00	84	0.74
Misc. Finishes 2	Other Construction Equipment	1	8.00	354	0.42
Misc. Finishes 2	Tractors/Loaders/Backhoes	0	7.00	97	0.37
Misc. Finishes 2	Welders	0	8.00	46	0.45
Roofing & Overhead Work 3	Aerial Lifts	1	8.00	48	0.31
Roofing & Overhead Work 3	Air Compressors	0	6.00	78	0.48
Roofing & Overhead Work 3	Cranes	0	7.00	226	0.29
Roofing & Overhead Work 3	Crawler Tractors	0	8.00	249	0.43
Roofing & Overhead Work 3	Excavators	0	8.00	268	0.38
Roofing & Overhead Work 3	Forklifts	1	8.00	110	0.20
Roofing & Overhead Work 3	Generator Sets	0	8.00	84	0.74
Roofing & Overhead Work 3	Other Construction Equipment	2	8.00	354	0.42
Roofing & Overhead Work 3	Rubber Tired Dozers	0	8.00	255	0.40
Roofing & Overhead Work 3	Surfacing Equipment	0	8.00	350	0.30
Roofing & Overhead Work 3	Tractors/Loaders/Backhoes	0	8.00	110	0.37
Roofing & Overhead Work 3	Welders	0	8.00	46	0.45
Steel & Roof 4	Cranes	1	8.00	215	0.29
Steel & Roof 4	Forklifts	0	8.00	89	0.20
Steel & Roof 4	Generator Sets	0	8.00	84	0.74
Steel & Roof 4	Other Construction Equipment	2	8.00	354	0.42
Steel & Roof 4	Tractors/Loaders/Backhoes	0	7.00	97	0.37
Steel & Roof 4	Welders	0	8.00	46	0.45
Paving 3	Other Construction Equipment	1	8.00	354	0.42
Paving 3	Pavers	0	8.00	125	0.42
Paving 3	Paving Equipment	0	8.00	130	0.36
Paving 3	Rollers	0	8.00	80	0.38
Paving 3	Rubber Tired Loaders	1	8.00	350	0.36

Paving 3	Trenchers	1	8.00	81	0.50
Architectural Coating 1	Air Compressors	0	6.00	78	0.48
Architectural Coating 1	Other Construction Equipment	4	8.00	354	0.42
Misc. Finishes 3	Aerial Lifts	1	8.00	48	0.31
Misc. Finishes 3	Cranes	0	7.00	226	0.29
Misc. Finishes 3	Forklifts	0	8.00	89	0.20
Misc. Finishes 3	Generator Sets	0	8.00	84	0.74
Misc. Finishes 3	Other Construction Equipment	1	8.00	354	0.42
Misc. Finishes 3	Tractors/Loaders/Backhoes	0	7.00	97	0.37
Misc. Finishes 3	Welders	0	8.00	46	0.45
Architectural Coating 3	Air Compressors	0	6.00	78	0.48
Architectural Coating 3	Other Construction Equipment	1	8.00	354	0.42
Paving 1	Other Construction Equipment	1	8.00	354	0.42
Paving 1	Pavers	0	8.00	125	0.42
Paving 1	Paving Equipment	0	8.00	130	0.36
Paving 1	Rollers	0	8.00	80	0.38
Paving 1	Rubber Tired Loaders	2	8.00	350	0.36
Paving 1	Trenchers	1	8.00	81	0.50
Roofing & Overhead Work 4	Aerial Lifts	1	8.00	48	0.31
Roofing & Overhead Work 4	Air Compressors	0	6.00	78	0.48
Roofing & Overhead Work 4	Concrete/Industrial Saws	0	8.00	81	0.73
Roofing & Overhead Work 4	Cranes	0	7.00	226	0.29
Roofing & Overhead Work 4	Crawler Tractors	0	8.00	410	0.43
Roofing & Overhead Work 4	Crawler Tractors	0	8.00	249	0.43
Roofing & Overhead Work 4	Excavators	0	8.00	162	0.38
Roofing & Overhead Work 4	Excavators	0	8.00	268	0.38
Roofing & Overhead Work 4	Forklifts	1	8.00	110	0.20
Roofing & Overhead Work 4	Generator Sets	0	8.00	84	0.74

Roofing & Overhead Work 4	Graders	0	8.00	302	0.41
Roofing & Overhead Work 4	Off-Highway Tractors	0	8.00	451	0.44
Roofing & Overhead Work 4	Off-Highway Tractors	0	8.00	485	0.44
Roofing & Overhead Work 4	Other Construction Equipment	2	8.00	354	0.42
Roofing & Overhead Work 4	Other General Industrial Equipment	0	8.00	330	0.37
Roofing & Overhead Work 4	Pavers	0	8.00	125	0.42
Roofing & Overhead Work 4	Paving Equipment	0	8.00	130	0.36
Roofing & Overhead Work 4	Rollers	0	8.00	80	0.38
Roofing & Overhead Work 4	Rubber Tired Dozers	0	8.00	451	0.40
Roofing & Overhead Work 4	Rubber Tired Loaders	0	8.00	350	0.37
Roofing & Overhead Work 4	Scrapers	0	8.00	452	0.48
Roofing & Overhead Work 4	Surfacing Equipment	0	8.00	350	0.30
Roofing & Overhead Work 4	Tractors/Loaders/Backhoes	0	8.00	97	0.37
Roofing & Overhead Work 4	Tractors/Loaders/Backhoes	0	8.00	110	0.37
Roofing & Overhead Work 4	Tractors/Loaders/Backhoes	0	7.00	97	0.37
Roofing & Overhead Work 4	Welders	0	8.00	46	0.45
Architectural Coating 4	Air Compressors	0	6.00	78	0.48
Architectural Coating 4	Other Construction Equipment	1	8.00	354	0.42
Paving 4	Other Construction Equipment	1	8.00	354	0.42
Paving 4	Pavers	0	8.00	125	0.42
Paving 4	Paving Equipment	0	8.00	130	0.36
Paving 4	Rollers	0	8.00	80	0.38
Paving 4	Rubber Tired Loaders	1	8.00	350	0.36
Paving 4	Trenchers	1	8.00	81	0.50
Misc. Finishes 4	Aerial Lifts	1	8.00	48	0.31
Misc. Finishes 4	Cranes	0	7.00	226	0.29
Misc. Finishes 4	Forklifts	0	8.00	89	0.20
Misc. Finishes 4	Generator Sets	0	8.00	84	0.74

Misc. Finishes 4	Other Construction Equipment	1	8.00	354	0.42
Misc. Finishes 4	Tractors/Loaders/Backhoes	0	7.00	97	0.37
Misc. Finishes 4	Welders	0	8.00	46	0.45
Misc. Finishes 1	Aerial Lifts	2	8.00	48	0.31
Misc. Finishes 1	Cranes	0	7.00	226	0.29
Misc. Finishes 1	Forklifts	0	8.00	89	0.20
Misc. Finishes 1	Generator Sets	0	8.00	84	0.74
Misc. Finishes 1	Other Construction Equipment	2	8.00	354	0.42
Misc. Finishes 1	Tractors/Loaders/Backhoes	0	7.00	97	0.37
Misc. Finishes 1	Welders	0	8.00	46	0.45

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
Grading 1	19	48.00	0.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Grading 2	8	20.00	0.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Trenching 1	10	25.00	0.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Concrete Shell 1	9	125.00	416.00	10,384.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Trenching 2	5	13.00	0.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Concrete Shell 2	6	40.00	416.00	1,374.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Grading 3	8	20.00	0.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Trenching 3	5	13.00	0.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Grading 4	8	20.00	0.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Concrete Shell 3	6	40.00	416.00	1,078.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Trenching 4	5	13.00	0.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Concrete Shell 4	6	40.00	416.00	1,758.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Steel & Roof 1	5	125.00	416.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Steel & Roof 2	3	40.00	416.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT

Steel & Roof 3	3	40.00	416.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Roofing & Overhead Work 2	4	40.00	416.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Roofing & Overhead Work 1	8	125.00	416.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Paving 2	3	8.00	0.00	728.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Architectural Coating 2	1	213.00	0.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Misc. Finishes 2	2	40.00	416.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Roofing & Overhead Work 3	4	40.00	416.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Steel & Roof 4	3	40.00	416.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Paving 3	3	8.00	0.00	778.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Architectural Coating 1	4	213.00	0.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Misc. Finishes 3	2	40.00	416.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Architectural Coating 3	1	213.00	0.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Paving 1	4	10.00	0.00	4,152.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Roofing & Overhead Work 4	4	40.00	416.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Architectural Coating 4	1	213.00	0.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Paving 4	3	8.00	0.00	838.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Misc. Finishes 4	2	40.00	416.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Misc. Finishes 1	4	125.00	416.00	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

3.2 Grading 1 - 2016**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					15.5666	0.0000	15.5666	4.3408	0.0000	4.3408			0.0000			0.0000
Off-Road	22.7740	284.8071	173.9787	0.2600		11.4365	11.4365		10.5216	10.5216		27,015.1809	27,015.1809	8.1487		27,186.3044
Total	22.7740	284.8071	173.9787	0.2600	15.5666	11.4365	27.0031	4.3408	10.5216	14.8624		27,015.1809	27,015.1809	8.1487		27,186.3044

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	0.1839	0.2172	2.7221	6.4400e-003	0.5365	3.3500e-003	0.5399	0.1423	3.0800e-003	0.1454		532.5992	532.5992	0.0230		533.0816
Total	0.1839	0.2172	2.7221	6.4400e-003	0.5365	3.3500e-003	0.5399	0.1423	3.0800e-003	0.1454		532.5992	532.5992	0.0230		533.0816

3.2 Grading 1 - 2016**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					6.0710	0.0000	6.0710	1.6929	0.0000	1.6929			0.0000			0.0000
Off-Road	5.9025	61.8452	133.4419	0.2600		2.4855	2.4855		2.3942	2.3942	0.0000	27,015.1809	27,015.1809	8.1487		27,186.3044
Total	5.9025	61.8452	133.4419	0.2600	6.0710	2.4855	8.5565	1.6929	2.3942	4.0871	0.0000	27,015.1809	27,015.1809	8.1487		27,186.3044

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	0.1839	0.2172	2.7221	6.4400e-003	0.5365	3.3500e-003	0.5399	0.1423	3.0800e-003	0.1454		532.5992	532.5992	0.0230		533.0816
Total	0.1839	0.2172	2.7221	6.4400e-003	0.5365	3.3500e-003	0.5399	0.1423	3.0800e-003	0.1454		532.5992	532.5992	0.0230		533.0816

3.3 Grading 2 - 2016**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					4.2420	0.0000	4.2420	0.4580	0.0000	0.4580			0.0000			0.0000
Off-Road	9.5729	120.5012	69.6816	0.1160		4.7379	4.7379		4.3589	4.3589		12,046.3077	12,046.3077	3.6336		12,122.6131
Total	9.5729	120.5012	69.6816	0.1160	4.2420	4.7379	8.9799	0.4580	4.3589	4.8169		12,046.3077	12,046.3077	3.6336		12,122.6131

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	0.0766	0.0905	1.1342	2.6800e-003	0.2236	1.4000e-003	0.2250	0.0593	1.2800e-003	0.0606		221.9163	221.9163	9.5700e-003		222.1173
Total	0.0766	0.0905	1.1342	2.6800e-003	0.2236	1.4000e-003	0.2250	0.0593	1.2800e-003	0.0606		221.9163	221.9163	9.5700e-003		222.1173

3.3 Grading 2 - 2016**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					1.6544	0.0000	1.6544	0.1786	0.0000	0.1786			0.0000			0.0000
Off-Road	1.8754	21.5998	55.2898	0.1160		0.7890	0.7890		0.7890	0.7890	0.0000	12,046.3077	12,046.3077	3.6336		12,122.6131
Total	1.8754	21.5998	55.2898	0.1160	1.6544	0.7890	2.4434	0.1786	0.7890	0.9676	0.0000	12,046.3077	12,046.3077	3.6336		12,122.6131

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	0.0766	0.0905	1.1342	2.6800e-003	0.2236	1.4000e-003	0.2250	0.0593	1.2800e-003	0.0606		221.9163	221.9163	9.5700e-003		222.1173
Total	0.0766	0.0905	1.1342	2.6800e-003	0.2236	1.4000e-003	0.2250	0.0593	1.2800e-003	0.0606		221.9163	221.9163	9.5700e-003		222.1173

3.4 Trenching 1 - 2016**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	6.2895	77.7646	37.2357	0.0888		3.1203	3.1203		2.8707	2.8707		9,219.1057	9,219.1057	2.7808		9,277.5027
Total	6.2895	77.7646	37.2357	0.0888		3.1203	3.1203		2.8707	2.8707		9,219.1057	9,219.1057	2.7808		9,277.5027

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	0.0958	0.1131	1.4178	3.3500e-003	0.2794	1.7500e-003	0.2812	0.0741	1.6100e-003	0.0757		277.3954	277.3954	0.0120		277.6467
Total	0.0958	0.1131	1.4178	3.3500e-003	0.2794	1.7500e-003	0.2812	0.0741	1.6100e-003	0.0757		277.3954	277.3954	0.0120		277.6467

3.4 Trenching 1 - 2016**Mitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	1.6622	24.8561	45.4748	0.0888		1.0530	1.0530		1.0530	1.0530	0.0000	9,219.1057	9,219.1057	2.7808		9,277.5027
Total	1.6622	24.8561	45.4748	0.0888		1.0530	1.0530		1.0530	1.0530	0.0000	9,219.1057	9,219.1057	2.7808		9,277.5027

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	0.0958	0.1131	1.4178	3.3500e-003	0.2794	1.7500e-003	0.2812	0.0741	1.6100e-003	0.0757		277.3954	277.3954	0.0120		277.6467
Total	0.0958	0.1131	1.4178	3.3500e-003	0.2794	1.7500e-003	0.2812	0.0741	1.6100e-003	0.0757		277.3954	277.3954	0.0120		277.6467

3.5 Concrete Shell 1 - 2016**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	5.5772	68.3870	40.9017	0.0785		3.1121	3.1121		2.8631	2.8631		8,151.1535	8,151.1535	2.4587		8,202.7857
Total	5.5772	68.3870	40.9017	0.0785		3.1121	3.1121		2.8631	2.8631		8,151.1535	8,151.1535	2.4587		8,202.7857

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	1.8964	33.5559	21.4219	0.0902	2.2090	0.6141	2.8232	0.6051	0.5649	1.1700		9,093.9549	9,093.9549	0.0575		9,095.1614
Vendor	3.2352	34.9089	36.5550	0.0875	2.6173	0.6776	3.2949	0.7476	0.6231	1.3707		8,789.2554	8,789.2554	0.0572		8,790.4563
Worker	0.4790	0.5656	7.0888	0.0168	1.3972	8.7300e-003	1.4059	0.3706	8.0300e-003	0.3786		1,386.9770	1,386.9770	0.0598		1,388.2333
Total	5.6106	69.0303	65.0658	0.1945	6.2235	1.3004	7.5239	1.7232	1.1960	2.9192		19,270.1873	19,270.1873	0.1745		19,273.8510

3.5 Concrete Shell 1 - 2016**Mitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	1.1312	11.2763	39.4687	0.0785		0.6562	0.6562		0.6562	0.6562	0.0000	8,151.1535	8,151.1535	2.4587		8,202.7857
Total	1.1312	11.2763	39.4687	0.0785		0.6562	0.6562		0.6562	0.6562	0.0000	8,151.1535	8,151.1535	2.4587		8,202.7857

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	1.8964	33.5559	21.4219	0.0902	2.2090	0.6141	2.8232	0.6051	0.5649	1.1700		9,093.9549	9,093.9549	0.0575		9,095.1614
Vendor	3.2352	34.9089	36.5550	0.0875	2.6173	0.6776	3.2949	0.7476	0.6231	1.3707		8,789.2554	8,789.2554	0.0572		8,790.4563
Worker	0.4790	0.5656	7.0888	0.0168	1.3972	8.7300e-003	1.4059	0.3706	8.0300e-003	0.3786		1,386.9770	1,386.9770	0.0598		1,388.2333
Total	5.6106	69.0303	65.0658	0.1945	6.2235	1.3004	7.5239	1.7232	1.1960	2.9192		19,270.1873	19,270.1873	0.1745		19,273.8510

3.6 Trenching 2 - 2016**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	3.1973	39.5669	18.8343	0.0450		1.5850	1.5850		1.4582	1.4582		4,676.1560	4,676.1560	1.4105		4,705.7764
Total	3.1973	39.5669	18.8343	0.0450		1.5850	1.5850		1.4582	1.4582		4,676.1560	4,676.1560	1.4105		4,705.7764

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	0.0498	0.0588	0.7372	1.7400e-003	0.1453	9.1000e-004	0.1462	0.0385	8.4000e-004	0.0394		144.2456	144.2456	6.2200e-003		144.3763
Total	0.0498	0.0588	0.7372	1.7400e-003	0.1453	9.1000e-004	0.1462	0.0385	8.4000e-004	0.0394		144.2456	144.2456	6.2200e-003		144.3763

3.6 Trenching 2 - 2016**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	0.8390	12.4623	23.0273	0.0450		0.5275	0.5275		0.5275	0.5275	0.0000	4,676.1560	4,676.1560	1.4105		4,705.7764
Total	0.8390	12.4623	23.0273	0.0450		0.5275	0.5275		0.5275	0.5275	0.0000	4,676.1560	4,676.1560	1.4105		4,705.7764

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	0.0498	0.0588	0.7372	1.7400e-003	0.1453	9.1000e-004	0.1462	0.0385	8.4000e-004	0.0394		144.2456	144.2456	6.2200e-003		144.3763
Total	0.0498	0.0588	0.7372	1.7400e-003	0.1453	9.1000e-004	0.1462	0.0385	8.4000e-004	0.0394		144.2456	144.2456	6.2200e-003		144.3763

3.7 Concrete Shell 2 - 2016**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	3.9983	50.2800	29.4382	0.0586		2.1486	2.1486		1.9767	1.9767		6,080.4547	6,080.4547	1.8341		6,118.9704
Total	3.9983	50.2800	29.4382	0.0586		2.1486	2.1486		1.9767	1.9767		6,080.4547	6,080.4547	1.8341		6,118.9704

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	0.4115	7.2817	4.6486	0.0196	0.4794	0.1333	0.6126	0.1313	0.1226	0.2539		1,973.4162	1,973.4162	0.0125		1,973.6781
Vendor	3.2352	34.9089	36.5550	0.0875	2.6173	0.6776	3.2949	0.7476	0.6231	1.3707		8,789.2554	8,789.2554	0.0572		8,790.4563
Worker	0.1533	0.1810	2.2684	5.3700e-003	0.4471	2.8000e-003	0.4499	0.1186	2.5700e-003	0.1211		443.8327	443.8327	0.0191		444.2347
Total	3.8000	42.3716	43.4721	0.1125	3.5437	0.8137	4.3574	0.9975	0.7483	1.7457		11,206.5043	11,206.5043	0.0888		11,208.3690

3.7 Concrete Shell 2 - 2016**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	0.8016	6.6608	28.3879	0.0586		0.3596	0.3596		0.3596	0.3596	0.0000	6,080.4547	6,080.4547	1.8341		6,118.9704
Total	0.8016	6.6608	28.3879	0.0586		0.3596	0.3596		0.3596	0.3596	0.0000	6,080.4547	6,080.4547	1.8341		6,118.9704

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	0.4115	7.2817	4.6486	0.0196	0.4794	0.1333	0.6126	0.1313	0.1226	0.2539		1,973.4162	1,973.4162	0.0125		1,973.6781
Vendor	3.2352	34.9089	36.5550	0.0875	2.6173	0.6776	3.2949	0.7476	0.6231	1.3707		8,789.2554	8,789.2554	0.0572		8,790.4563
Worker	0.1533	0.1810	2.2684	5.3700e-003	0.4471	2.8000e-003	0.4499	0.1186	2.5700e-003	0.1211		443.8327	443.8327	0.0191		444.2347
Total	3.8000	42.3716	43.4721	0.1125	3.5437	0.8137	4.3574	0.9975	0.7483	1.7457		11,206.5043	11,206.5043	0.0888		11,208.3690

3.8 Grading 3 - 2016**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					4.2420	0.0000	4.2420	0.4580	0.0000	0.4580			0.0000			0.0000
Off-Road	9.5131	119.7766	69.2684	0.1151		4.7102	4.7102		4.3334	4.3334		11,957.7675	11,957.7675	3.6069		12,033.5122
Total	9.5131	119.7766	69.2684	0.1151	4.2420	4.7102	8.9522	0.4580	4.3334	4.7914		11,957.7675	11,957.7675	3.6069		12,033.5122

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	0.0766	0.0905	1.1342	2.6800e-003	0.2236	1.4000e-003	0.2250	0.0593	1.2800e-003	0.0606		221.9163	221.9163	9.5700e-003		222.1173
Total	0.0766	0.0905	1.1342	2.6800e-003	0.2236	1.4000e-003	0.2250	0.0593	1.2800e-003	0.0606		221.9163	221.9163	9.5700e-003		222.1173

3.8 Grading 3 - 2016**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					1.6544	0.0000	1.6544	0.1786	0.0000	0.1786			0.0000			0.0000
Off-Road	1.8544	21.1947	54.8358	0.1151		0.7736	0.7736		0.7736	0.7736	0.0000	11,957.7675	11,957.7675	3.6069		12,033.5122
Total	1.8544	21.1947	54.8358	0.1151	1.6544	0.7736	2.4280	0.1786	0.7736	0.9522	0.0000	11,957.7675	11,957.7675	3.6069		12,033.5122

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	0.0766	0.0905	1.1342	2.6800e-003	0.2236	1.4000e-003	0.2250	0.0593	1.2800e-003	0.0606		221.9163	221.9163	9.5700e-003		222.1173
Total	0.0766	0.0905	1.1342	2.6800e-003	0.2236	1.4000e-003	0.2250	0.0593	1.2800e-003	0.0606		221.9163	221.9163	9.5700e-003		222.1173

3.9 Trenching 3 - 2016**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	3.1973	39.5669	18.8343	0.0450		1.5850	1.5850		1.4582	1.4582		4,676.1560	4,676.1560	1.4105		4,705.7764
Total	3.1973	39.5669	18.8343	0.0450		1.5850	1.5850		1.4582	1.4582		4,676.1560	4,676.1560	1.4105		4,705.7764

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	0.0498	0.0588	0.7372	1.7400e-003	0.1453	9.1000e-004	0.1462	0.0385	8.4000e-004	0.0394		144.2456	144.2456	6.2200e-003		144.3763
Total	0.0498	0.0588	0.7372	1.7400e-003	0.1453	9.1000e-004	0.1462	0.0385	8.4000e-004	0.0394		144.2456	144.2456	6.2200e-003		144.3763

3.9 Trenching 3 - 2016**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	0.8390	12.4623	23.0273	0.0450		0.5275	0.5275		0.5275	0.5275	0.0000	4,676.1560	4,676.1560	1.4105		4,705.7764
Total	0.8390	12.4623	23.0273	0.0450		0.5275	0.5275		0.5275	0.5275	0.0000	4,676.1560	4,676.1560	1.4105		4,705.7764

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	0.0498	0.0588	0.7372	1.7400e-003	0.1453	9.1000e-004	0.1462	0.0385	8.4000e-004	0.0394		144.2456	144.2456	6.2200e-003		144.3763
Total	0.0498	0.0588	0.7372	1.7400e-003	0.1453	9.1000e-004	0.1462	0.0385	8.4000e-004	0.0394		144.2456	144.2456	6.2200e-003		144.3763

3.10 Grading 4 - 2016**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					4.2420	0.0000	4.2420	0.4580	0.0000	0.4580			0.0000			0.0000
Off-Road	9.5131	119.7766	69.2684	0.1151		4.7102	4.7102		4.3334	4.3334		11,957.7675	11,957.7675	3.6069		12,033.5122
Total	9.5131	119.7766	69.2684	0.1151	4.2420	4.7102	8.9522	0.4580	4.3334	4.7914		11,957.7675	11,957.7675	3.6069		12,033.5122

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	0.0766	0.0905	1.1342	2.6800e-003	0.2236	1.4000e-003	0.2250	0.0593	1.2800e-003	0.0606		221.9163	221.9163	9.5700e-003		222.1173
Total	0.0766	0.0905	1.1342	2.6800e-003	0.2236	1.4000e-003	0.2250	0.0593	1.2800e-003	0.0606		221.9163	221.9163	9.5700e-003		222.1173

3.10 Grading 4 - 2016**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					1.6544	0.0000	1.6544	0.1786	0.0000	0.1786			0.0000			0.0000
Off-Road	1.8544	21.1947	54.8358	0.1151		0.7736	0.7736		0.7736	0.7736	0.0000	11,957.7675	11,957.7675	3.6069		12,033.5122
Total	1.8544	21.1947	54.8358	0.1151	1.6544	0.7736	2.4280	0.1786	0.7736	0.9522	0.0000	11,957.7675	11,957.7675	3.6069		12,033.5122

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	0.0766	0.0905	1.1342	2.6800e-003	0.2236	1.4000e-003	0.2250	0.0593	1.2800e-003	0.0606		221.9163	221.9163	9.5700e-003		222.1173
Total	0.0766	0.0905	1.1342	2.6800e-003	0.2236	1.4000e-003	0.2250	0.0593	1.2800e-003	0.0606		221.9163	221.9163	9.5700e-003		222.1173

3.11 Concrete Shell 3 - 2016**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	3.9983	50.2800	29.4382	0.0586		2.1486	2.1486		1.9767	1.9767		6,080.4547	6,080.4547	1.8341		6,118.9704
Total	3.9983	50.2800	29.4382	0.0586		2.1486	2.1486		1.9767	1.9767		6,080.4547	6,080.4547	1.8341		6,118.9704

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	0.3435	6.0777	3.8800	0.0163	0.4001	0.1112	0.5113	0.1096	0.1023	0.2119		1,647.1110	1,647.1110	0.0104		1,647.3296
Vendor	3.2352	34.9089	36.5550	0.0875	2.6173	0.6776	3.2949	0.7476	0.6231	1.3707		8,789.2554	8,789.2554	0.0572		8,790.4563
Worker	0.1533	0.1810	2.2684	5.3700e-003	0.4471	2.8000e-003	0.4499	0.1186	2.5700e-003	0.1211		443.8327	443.8327	0.0191		444.2347
Total	3.7319	41.1676	42.7034	0.1092	3.4645	0.7916	4.2561	0.9758	0.7280	1.7037		10,880.1991	10,880.1991	0.0867		10,882.0205

3.11 Concrete Shell 3 - 2016**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	0.8016	6.6608	28.3879	0.0586		0.3596	0.3596		0.3596	0.3596	0.0000	6,080.4547	6,080.4547	1.8341		6,118.9704
Total	0.8016	6.6608	28.3879	0.0586		0.3596	0.3596		0.3596	0.3596	0.0000	6,080.4547	6,080.4547	1.8341		6,118.9704

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	0.3435	6.0777	3.8800	0.0163	0.4001	0.1112	0.5113	0.1096	0.1023	0.2119		1,647.1110	1,647.1110	0.0104		1,647.3296
Vendor	3.2352	34.9089	36.5550	0.0875	2.6173	0.6776	3.2949	0.7476	0.6231	1.3707		8,789.2554	8,789.2554	0.0572		8,790.4563
Worker	0.1533	0.1810	2.2684	5.3700e-003	0.4471	2.8000e-003	0.4499	0.1186	2.5700e-003	0.1211		443.8327	443.8327	0.0191		444.2347
Total	3.7319	41.1676	42.7034	0.1092	3.4645	0.7916	4.2561	0.9758	0.7280	1.7037		10,880.1991	10,880.1991	0.0867		10,882.0205

3.12 Trenching 4 - 2016**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	3.1448	38.8823	18.6179	0.0444		1.5602	1.5602		1.4353	1.4353		4,609.5529	4,609.5529	1.3904		4,638.7514
Total	3.1448	38.8823	18.6179	0.0444		1.5602	1.5602		1.4353	1.4353		4,609.5529	4,609.5529	1.3904		4,638.7514

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	0.0498	0.0588	0.7372	1.7400e-003	0.1453	9.1000e-004	0.1462	0.0385	8.4000e-004	0.0394		144.2456	144.2456	6.2200e-003		144.3763
Total	0.0498	0.0588	0.7372	1.7400e-003	0.1453	9.1000e-004	0.1462	0.0385	8.4000e-004	0.0394		144.2456	144.2456	6.2200e-003		144.3763

3.12 Trenching 4 - 2016**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	0.8311	12.4281	22.7374	0.0444		0.5265	0.5265		0.5265	0.5265	0.0000	4,609.5529	4,609.5529	1.3904		4,638.7513
Total	0.8311	12.4281	22.7374	0.0444		0.5265	0.5265		0.5265	0.5265	0.0000	4,609.5529	4,609.5529	1.3904		4,638.7513

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	0.0498	0.0588	0.7372	1.7400e-003	0.1453	9.1000e-004	0.1462	0.0385	8.4000e-004	0.0394		144.2456	144.2456	6.2200e-003		144.3763
Total	0.0498	0.0588	0.7372	1.7400e-003	0.1453	9.1000e-004	0.1462	0.0385	8.4000e-004	0.0394		144.2456	144.2456	6.2200e-003		144.3763

3.13 Concrete Shell 4 - 2016**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	3.9983	50.2800	29.4382	0.0586		2.1486	2.1486		1.9767	1.9767		6,080.4547	6,080.4547	1.8341		6,118.9704
Total	3.9983	50.2800	29.4382	0.0586		2.1486	2.1486		1.9767	1.9767		6,080.4547	6,080.4547	1.8341		6,118.9704

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	0.5265	9.3168	5.9478	0.0250	0.6133	0.1705	0.7839	0.1680	0.1569	0.3248		2,524.9387	2,524.9387	0.0160		2,525.2737
Vendor	3.2352	34.9089	36.5550	0.0875	2.6173	0.6776	3.2949	0.7476	0.6231	1.3707		8,789.2554	8,789.2554	0.0572		8,790.4563
Worker	0.1533	0.1810	2.2684	5.3700e-003	0.4471	2.8000e-003	0.4499	0.1186	2.5700e-003	0.1211		443.8327	443.8327	0.0191		444.2347
Total	3.9150	44.4067	44.7713	0.1179	3.6777	0.8509	4.5286	1.0342	0.7825	1.8167		11,758.0268	11,758.0268	0.0923		11,759.9646

3.13 Concrete Shell 4 - 2016**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	0.8016	6.6608	28.3879	0.0586		0.3596	0.3596		0.3596	0.3596	0.0000	6,080.4547	6,080.4547	1.8341		6,118.9704
Total	0.8016	6.6608	28.3879	0.0586		0.3596	0.3596		0.3596	0.3596	0.0000	6,080.4547	6,080.4547	1.8341		6,118.9704

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	0.5265	9.3168	5.9478	0.0250	0.6133	0.1705	0.7839	0.1680	0.1569	0.3248		2,524.9387	2,524.9387	0.0160		2,525.2737
Vendor	3.2352	34.9089	36.5550	0.0875	2.6173	0.6776	3.2949	0.7476	0.6231	1.3707		8,789.2554	8,789.2554	0.0572		8,790.4563
Worker	0.1533	0.1810	2.2684	5.3700e-003	0.4471	2.8000e-003	0.4499	0.1186	2.5700e-003	0.1211		443.8327	443.8327	0.0191		444.2347
Total	3.9150	44.4067	44.7713	0.1179	3.6777	0.8509	4.5286	1.0342	0.7825	1.8167		11,758.0268	11,758.0268	0.0923		11,759.9646

3.14 Steel & Roof 1 - 2016**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	3.7894	48.4056	23.6538	0.0493		1.9217	1.9217		1.7680	1.7680		5,125.1584	5,125.1584	1.5459		5,157.6229
Total	3.7894	48.4056	23.6538	0.0493		1.9217	1.9217		1.7680	1.7680		5,125.1584	5,125.1584	1.5459		5,157.6229

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	3.2352	34.9089	36.5550	0.0875	2.6173	0.6776	3.2949	0.7476	0.6231	1.3707		8,789.2554	8,789.2554	0.0572		8,790.4563
Worker	0.4790	0.5656	7.0888	0.0168	1.3972	8.7300e-003	1.4059	0.3706	8.0300e-003	0.3786		1,386.9770	1,386.9770	0.0598		1,388.2333
Total	3.7141	35.4744	43.6439	0.1043	4.0145	0.6863	4.7008	1.1181	0.6311	1.7493		10,176.2325	10,176.2325	0.1170		10,178.6896

3.14 Steel & Roof 1 - 2016**Mitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	1.8420	18.2779	22.9861	0.0493		0.7995	0.7995		0.7406	0.7406	0.0000	5,125.1584	5,125.1584	1.5459		5,157.6229
Total	1.8420	18.2779	22.9861	0.0493		0.7995	0.7995		0.7406	0.7406	0.0000	5,125.1584	5,125.1584	1.5459		5,157.6229

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	3.2352	34.9089	36.5550	0.0875	2.6173	0.6776	3.2949	0.7476	0.6231	1.3707		8,789.2554	8,789.2554	0.0572		8,790.4563
Worker	0.4790	0.5656	7.0888	0.0168	1.3972	8.7300e-003	1.4059	0.3706	8.0300e-003	0.3786		1,386.9770	1,386.9770	0.0598		1,388.2333
Total	3.7141	35.4744	43.6439	0.1043	4.0145	0.6863	4.7008	1.1181	0.6311	1.7493		10,176.2325	10,176.2325	0.1170		10,178.6896

3.15 Steel & Roof 2 - 2016**Unmitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	2.2979	29.5650	14.8227	0.0311		1.1584	1.1584		1.0657	1.0657		3,230.871 9	3,230.871 9	0.9746		3,251.337 3
Total	2.2979	29.5650	14.8227	0.0311		1.1584	1.1584		1.0657	1.0657		3,230.871 9	3,230.871 9	0.9746		3,251.337 3

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	3.2352	34.9089	36.5550	0.0875	2.6173	0.6776	3.2949	0.7476	0.6231	1.3707		8,789.255 4	8,789.255 4	0.0572		8,790.456 3
Worker	0.1533	0.1810	2.2684	5.3700e-003	0.4471	2.8000e-003	0.4499	0.1186	2.5700e-003	0.1211		443.8327	443.8327	0.0191		444.2347
Total	3.3884	35.0899	38.8235	0.0929	3.0644	0.6804	3.7448	0.8662	0.6257	1.4918		9,233.088 1	9,233.088 1	0.0763		9,234.691 0

3.15 Steel & Roof 2 - 2016**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	0.9997	9.4799	14.3775	0.0311		0.4102	0.4102		0.3808	0.3808	0.0000	3,230.8719	3,230.8719	0.9746		3,251.3373
Total	0.9997	9.4799	14.3775	0.0311		0.4102	0.4102		0.3808	0.3808	0.0000	3,230.8719	3,230.8719	0.9746		3,251.3373

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	3.2352	34.9089	36.5550	0.0875	2.6173	0.6776	3.2949	0.7476	0.6231	1.3707		8,789.2554	8,789.2554	0.0572		8,790.4563
Worker	0.1533	0.1810	2.2684	5.3700e-003	0.4471	2.8000e-003	0.4499	0.1186	2.5700e-003	0.1211		443.8327	443.8327	0.0191		444.2347
Total	3.3884	35.0899	38.8235	0.0929	3.0644	0.6804	3.7448	0.8662	0.6257	1.4918		9,233.0881	9,233.0881	0.0763		9,234.6910

3.16 Steel & Roof 3 - 2016**Unmitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	2.2979	29.5650	14.8227	0.0311		1.1584	1.1584		1.0657	1.0657		3,230.8719	3,230.8719	0.9746		3,251.3373
Total	2.2979	29.5650	14.8227	0.0311		1.1584	1.1584		1.0657	1.0657		3,230.8719	3,230.8719	0.9746		3,251.3373

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	3.2352	34.9089	36.5550	0.0875	2.6173	0.6776	3.2949	0.7476	0.6231	1.3707		8,789.2554	8,789.2554	0.0572		8,790.4563
Worker	0.1533	0.1810	2.2684	5.3700e-003	0.4471	2.8000e-003	0.4499	0.1186	2.5700e-003	0.1211		443.8327	443.8327	0.0191		444.2347
Total	3.3884	35.0899	38.8235	0.0929	3.0644	0.6804	3.7448	0.8662	0.6257	1.4918		9,233.0881	9,233.0881	0.0763		9,234.6910

3.16 Steel & Roof 3 - 2016**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	0.9997	9.4799	14.3775	0.0311		0.4102	0.4102		0.3808	0.3808	0.0000	3,230.8719	3,230.8719	0.9746		3,251.3373
Total	0.9997	9.4799	14.3775	0.0311		0.4102	0.4102		0.3808	0.3808	0.0000	3,230.8719	3,230.8719	0.9746		3,251.3373

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	3.2352	34.9089	36.5550	0.0875	2.6173	0.6776	3.2949	0.7476	0.6231	1.3707		8,789.2554	8,789.2554	0.0572		8,790.4563
Worker	0.1533	0.1810	2.2684	5.3700e-003	0.4471	2.8000e-003	0.4499	0.1186	2.5700e-003	0.1211		443.8327	443.8327	0.0191		444.2347
Total	3.3884	35.0899	38.8235	0.0929	3.0644	0.6804	3.7448	0.8662	0.6257	1.4918		9,233.0881	9,233.0881	0.0763		9,234.6910

3.17 Roofing & Overhead Work 2 - 2016**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	1.9532	24.8275	14.3833	0.0291		1.0194	1.0194		0.9379	0.9379		3,017.0957	3,017.0957	0.9101		3,036.2070
Total	1.9532	24.8275	14.3833	0.0291		1.0194	1.0194		0.9379	0.9379		3,017.0957	3,017.0957	0.9101		3,036.2070

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	3.2352	34.9089	36.5550	0.0875	2.6173	0.6776	3.2949	0.7476	0.6231	1.3707		8,789.2554	8,789.2554	0.0572		8,790.4563
Worker	0.1533	0.1810	2.2684	5.3700e-003	0.4471	2.8000e-003	0.4499	0.1186	2.5700e-003	0.1211		443.8327	443.8327	0.0191		444.2347
Total	3.3884	35.0899	38.8235	0.0929	3.0644	0.6804	3.7448	0.8662	0.6257	1.4918		9,233.0881	9,233.0881	0.0763		9,234.6910

3.17 Roofing & Overhead Work 2 - 2016**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	0.6549	4.7424	13.9381	0.0291		0.2713	0.2713		0.2529	0.2529	0.0000	3,017.0957	3,017.0957	0.9101		3,036.2070
Total	0.6549	4.7424	13.9381	0.0291		0.2713	0.2713		0.2529	0.2529	0.0000	3,017.0957	3,017.0957	0.9101		3,036.2070

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	3.2352	34.9089	36.5550	0.0875	2.6173	0.6776	3.2949	0.7476	0.6231	1.3707		8,789.2554	8,789.2554	0.0572		8,790.4563
Worker	0.1533	0.1810	2.2684	5.3700e-003	0.4471	2.8000e-003	0.4499	0.1186	2.5700e-003	0.1211		443.8327	443.8327	0.0191		444.2347
Total	3.3884	35.0899	38.8235	0.0929	3.0644	0.6804	3.7448	0.8662	0.6257	1.4918		9,233.0881	9,233.0881	0.0763		9,234.6910

3.18 Roofing & Overhead Work 1 - 2016**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	3.1597	39.8954	23.6141	0.0467		1.6713	1.6713		1.5376	1.5376		4,845.3578	4,845.3578	1.4615		4,876.0499
Total	3.1597	39.8954	23.6141	0.0467		1.6713	1.6713		1.5376	1.5376		4,845.3578	4,845.3578	1.4615		4,876.0499

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	3.2352	34.9089	36.5550	0.0875	2.6173	0.6776	3.2949	0.7476	0.6231	1.3707		8,789.2554	8,789.2554	0.0572		8,790.4563
Worker	0.4790	0.5656	7.0888	0.0168	1.3972	8.7300e-003	1.4059	0.3706	8.0300e-003	0.3786		1,386.9770	1,386.9770	0.0598		1,388.2333
Total	3.7141	35.4744	43.6439	0.1043	4.0145	0.6863	4.7008	1.1181	0.6311	1.7493		10,176.2325	10,176.2325	0.1170		10,178.6896

3.18 Roofing & Overhead Work 1 - 2016**Mitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	1.2123	9.7677	22.9463	0.0467		0.5491	0.5491		0.5102	0.5102	0.0000	4,845.3578	4,845.3578	1.4615		4,876.0499
Total	1.2123	9.7677	22.9463	0.0467		0.5491	0.5491		0.5102	0.5102	0.0000	4,845.3578	4,845.3578	1.4615		4,876.0499

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	3.2352	34.9089	36.5550	0.0875	2.6173	0.6776	3.2949	0.7476	0.6231	1.3707		8,789.2554	8,789.2554	0.0572		8,790.4563
Worker	0.4790	0.5656	7.0888	0.0168	1.3972	8.7300e-003	1.4059	0.3706	8.0300e-003	0.3786		1,386.9770	1,386.9770	0.0598		1,388.2333
Total	3.7141	35.4744	43.6439	0.1043	4.0145	0.6863	4.7008	1.1181	0.6311	1.7493		10,176.2325	10,176.2325	0.1170		10,178.6896

3.18 Roofing & Overhead Work 1 - 2017**Unmitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	2.9659	36.9597	22.2694	0.0466		1.5220	1.5220		1.4002	1.4002		4,764.898 1	4,764.898 1	1.4600		4,795.557 2
Total	2.9659	36.9597	22.2694	0.0466		1.5220	1.5220		1.4002	1.4002		4,764.898 1	4,764.898 1	1.4600		4,795.557 2

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	2.9192	31.6630	34.1196	0.0874	2.6174	0.6072	3.2246	0.7476	0.5585	1.3061		8,640.847 0	8,640.847 0	0.0551		8,642.004 3
Worker	0.4290	0.5075	6.3663	0.0168	1.3972	8.4900e-003	1.4057	0.3706	7.8400e-003	0.3784		1,332.070 4	1,332.070 4	0.0549		1,333.222 6
Total	3.3482	32.1704	40.4859	0.1041	4.0146	0.6157	4.6303	1.1182	0.5663	1.6845		9,972.917 4	9,972.917 4	0.1100		9,975.226 9

3.18 Roofing & Overhead Work 1 - 2017**Mitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	1.1581	9.2917	22.8897	0.0466		0.4976	0.4976		0.4628	0.4628	0.0000	4,764.898 1	4,764.898 1	1.4600		4,795.557 2
Total	1.1581	9.2917	22.8897	0.0466		0.4976	0.4976		0.4628	0.4628	0.0000	4,764.898 1	4,764.898 1	1.4600		4,795.557 2

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	2.9192	31.6630	34.1196	0.0874	2.6174	0.6072	3.2246	0.7476	0.5585	1.3061		8,640.847 0	8,640.847 0	0.0551		8,642.004 3
Worker	0.4290	0.5075	6.3663	0.0168	1.3972	8.4900e-003	1.4057	0.3706	7.8400e-003	0.3784		1,332.070 4	1,332.070 4	0.0549		1,333.222 6
Total	3.3482	32.1704	40.4859	0.1041	4.0146	0.6157	4.6303	1.1182	0.5663	1.6845		9,972.917 4	9,972.917 4	0.1100		9,975.226 9

3.19 Paving 2 - 2016**Unmitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	2.2385	25.9379	13.6295	0.0271		1.1680	1.1680		1.0746	1.0746		2,812.896 1	2,812.896 1	0.8485		2,830.714 0
Paving	1.6824					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Total	3.9209	25.9379	13.6295	0.0271		1.1680	1.1680		1.0746	1.0746		2,812.896 1	2,812.896 1	0.8485		2,830.714 0

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	0.3894	6.8896	4.3983	0.0185	0.4536	0.1261	0.5796	0.1242	0.1160	0.2402		1,867.133 3	1,867.133 3	0.0118		1,867.381 0
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	0.0307	0.0362	0.4537	1.0700e-003	0.0894	5.6000e-004	0.0900	0.0237	5.1000e-004	0.0242		88.7665	88.7665	3.8300e-003		88.8469
Total	0.4200	6.9258	4.8519	0.0196	0.5430	0.1267	0.6696	0.1479	0.1165	0.2644		1,955.899 8	1,955.899 8	0.0156		1,956.227 9

3.19 Paving 2 - 2016**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	0.5097	7.7946	14.1898	0.0271		0.3537	0.3537		0.3537	0.3537	0.0000	2,812.896 1	2,812.896 1	0.8485		2,830.714 0
Paving	1.6824					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Total	2.1921	7.7946	14.1898	0.0271		0.3537	0.3537		0.3537	0.3537	0.0000	2,812.896 1	2,812.896 1	0.8485		2,830.714 0

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	0.3894	6.8896	4.3983	0.0185	0.4536	0.1261	0.5796	0.1242	0.1160	0.2402		1,867.133 3	1,867.133 3	0.0118		1,867.381 0
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	0.0307	0.0362	0.4537	1.0700e-003	0.0894	5.6000e-004	0.0900	0.0237	5.1000e-004	0.0242		88.7665	88.7665	3.8300e-003		88.8469
Total	0.4200	6.9258	4.8519	0.0196	0.5430	0.1267	0.6696	0.1479	0.1165	0.2644		1,955.899 8	1,955.899 8	0.0156		1,956.227 9

3.20 Architectural Coating 2 - 2016**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	13.3467					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Off-Road	0.8065	10.7243	5.9916	0.0129		0.3951	0.3951		0.3635	0.3635		1,336.5853	1,336.5853	0.4032		1,345,0517
Total	14.1532	10.7243	5.9916	0.0129		0.3951	0.3951		0.3635	0.3635		1,336.5853	1,336.5853	0.4032		1,345,0517

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	0.8161	0.9637	12.0794	0.0286	2.3808	0.0149	2.3957	0.6314	0.0137	0.6451		2,363.4089	2,363.4089	0.1019		2,365,5495
Total	0.8161	0.9637	12.0794	0.0286	2.3808	0.0149	2.3957	0.6314	0.0137	0.6451		2,363.4089	2,363.4089	0.1019		2,365,5495

3.20 Architectural Coating 2 - 2016**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	13.3467					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Off-Road	0.1573	0.6818	5.7690	0.0129		0.0210	0.0210		0.0210	0.0210	0.0000	1,336.5853	1,336.5853	0.4032		1,345,0517
Total	13.5041	0.6818	5.7690	0.0129		0.0210	0.0210		0.0210	0.0210	0.0000	1,336.5853	1,336.5853	0.4032		1,345,0517

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	0.8161	0.9637	12.0794	0.0286	2.3808	0.0149	2.3957	0.6314	0.0137	0.6451		2,363.4089	2,363.4089	0.1019		2,365,5495
Total	0.8161	0.9637	12.0794	0.0286	2.3808	0.0149	2.3957	0.6314	0.0137	0.6451		2,363.4089	2,363.4089	0.1019		2,365,5495

3.21 Misc. Finishes 2 - 2016**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	0.8663	11.6890	6.8307	0.0143		0.4225	0.4225		0.3887	0.3887		1,484.337 1	1,484.337 1	0.4477		1,493.739 4
Total	0.8663	11.6890	6.8307	0.0143		0.4225	0.4225		0.3887	0.3887		1,484.337 1	1,484.337 1	0.4477		1,493.739 4

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	3.2352	34.9089	36.5550	0.0875	2.6173	0.6776	3.2949	0.7476	0.6231	1.3707		8,789.255 4	8,789.255 4	0.0572		8,790.456 3
Worker	0.1533	0.1810	2.2684	5.3700e-003	0.4471	2.8000e-003	0.4499	0.1186	2.5700e-003	0.1211		443.8327	443.8327	0.0191		444.2347
Total	3.3884	35.0899	38.8235	0.0929	3.0644	0.6804	3.7448	0.8662	0.6257	1.4918		9,233.088 1	9,233.088 1	0.0763		9,234.691 0

3.21 Misc. Finishes 2 - 2016**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	0.2171	1.6464	6.6081	0.0143		0.0484	0.0484		0.0462	0.0462	0.0000	1,484.337 1	1,484.337 1	0.4477		1,493.739 4
Total	0.2171	1.6464	6.6081	0.0143		0.0484	0.0484		0.0462	0.0462	0.0000	1,484.337 1	1,484.337 1	0.4477		1,493.739 4

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	3.2352	34.9089	36.5550	0.0875	2.6173	0.6776	3.2949	0.7476	0.6231	1.3707		8,789.255 4	8,789.255 4	0.0572		8,790.456 3
Worker	0.1533	0.1810	2.2684	5.3700e-003	0.4471	2.8000e-003	0.4499	0.1186	2.5700e-003	0.1211		443.8327	443.8327	0.0191		444.2347
Total	3.3884	35.0899	38.8235	0.0929	3.0644	0.6804	3.7448	0.8662	0.6257	1.4918		9,233.088 1	9,233.088 1	0.0763		9,234.691 0

3.22 Roofing & Overhead Work 3 - 2016**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	1.9532	24.8275	14.3833	0.0291		1.0194	1.0194		0.9379	0.9379		3,017.0957	3,017.0957	0.9101		3,036.2070
Total	1.9532	24.8275	14.3833	0.0291		1.0194	1.0194		0.9379	0.9379		3,017.0957	3,017.0957	0.9101		3,036.2070

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	3.2352	34.9089	36.5550	0.0875	2.6173	0.6776	3.2949	0.7476	0.6231	1.3707		8,789.2554	8,789.2554	0.0572		8,790.4563
Worker	0.1533	0.1810	2.2684	5.3700e-003	0.4471	2.8000e-003	0.4499	0.1186	2.5700e-003	0.1211		443.8327	443.8327	0.0191		444.2347
Total	3.3884	35.0899	38.8235	0.0929	3.0644	0.6804	3.7448	0.8662	0.6257	1.4918		9,233.0881	9,233.0881	0.0763		9,234.6910

3.22 Roofing & Overhead Work 3 - 2016**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	0.6549	4.7424	13.9381	0.0291		0.2713	0.2713		0.2529	0.2529	0.0000	3,017.0957	3,017.0957	0.9101		3,036.2070
Total	0.6549	4.7424	13.9381	0.0291		0.2713	0.2713		0.2529	0.2529	0.0000	3,017.0957	3,017.0957	0.9101		3,036.2070

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	3.2352	34.9089	36.5550	0.0875	2.6173	0.6776	3.2949	0.7476	0.6231	1.3707		8,789.2554	8,789.2554	0.0572		8,790.4563
Worker	0.1533	0.1810	2.2684	5.3700e-003	0.4471	2.8000e-003	0.4499	0.1186	2.5700e-003	0.1211		443.8327	443.8327	0.0191		444.2347
Total	3.3884	35.0899	38.8235	0.0929	3.0644	0.6804	3.7448	0.8662	0.6257	1.4918		9,233.0881	9,233.0881	0.0763		9,234.6910

3.23 Steel & Roof 4 - 2016**Unmitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	2.2979	29.5650	14.8227	0.0311		1.1584	1.1584		1.0657	1.0657		3,230.8719	3,230.8719	0.9746		3,251.3373
Total	2.2979	29.5650	14.8227	0.0311		1.1584	1.1584		1.0657	1.0657		3,230.8719	3,230.8719	0.9746		3,251.3373

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	3.2352	34.9089	36.5550	0.0875	2.6173	0.6776	3.2949	0.7476	0.6231	1.3707		8,789.2554	8,789.2554	0.0572		8,790.4563
Worker	0.1533	0.1810	2.2684	5.3700e-003	0.4471	2.8000e-003	0.4499	0.1186	2.5700e-003	0.1211		443.8327	443.8327	0.0191		444.2347
Total	3.3884	35.0899	38.8235	0.0929	3.0644	0.6804	3.7448	0.8662	0.6257	1.4918		9,233.0881	9,233.0881	0.0763		9,234.6910

3.23 Steel & Roof 4 - 2016**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	0.9997	9.4799	14.3775	0.0311		0.4102	0.4102		0.3808	0.3808	0.0000	3,230.8719	3,230.8719	0.9746		3,251.3373
Total	0.9997	9.4799	14.3775	0.0311		0.4102	0.4102		0.3808	0.3808	0.0000	3,230.8719	3,230.8719	0.9746		3,251.3373

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	3.2352	34.9089	36.5550	0.0875	2.6173	0.6776	3.2949	0.7476	0.6231	1.3707		8,789.2554	8,789.2554	0.0572		8,790.4563
Worker	0.1533	0.1810	2.2684	5.3700e-003	0.4471	2.8000e-003	0.4499	0.1186	2.5700e-003	0.1211		443.8327	443.8327	0.0191		444.2347
Total	3.3884	35.0899	38.8235	0.0929	3.0644	0.6804	3.7448	0.8662	0.6257	1.4918		9,233.0881	9,233.0881	0.0763		9,234.6910

3.24 Paving 3 - 2016**Unmitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	2.2385	25.9379	13.6295	0.0271		1.1680	1.1680		1.0746	1.0746		2,812.896 1	2,812.896 1	0.8485		2,830.714 0
Paving	1.6824					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Total	3.9209	25.9379	13.6295	0.0271		1.1680	1.1680		1.0746	1.0746		2,812.896 1	2,812.896 1	0.8485		2,830.714 0

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	0.4161	7.3628	4.7003	0.0198	0.6072	0.1348	0.7419	0.1628	0.1240	0.2868		1,995.370 4	1,995.370 4	0.0126		1,995.635 2
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	0.0307	0.0362	0.4537	1.0700e-003	0.0894	5.6000e-004	0.0900	0.0237	5.1000e-004	0.0242		88.7665	88.7665	3.8300e-003		88.8469
Total	0.4468	7.3990	5.1540	0.0209	0.6966	0.1353	0.8319	0.1865	0.1245	0.3110		2,084.137 0	2,084.137 0	0.0164		2,084.482 1

3.24 Paving 3 - 2016**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	0.5097	7.7946	14.1898	0.0271		0.3537	0.3537		0.3537	0.3537	0.0000	2,812.896 1	2,812.896 1	0.8485		2,830.714 0
Paving	1.6824					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Total	2.1921	7.7946	14.1898	0.0271		0.3537	0.3537		0.3537	0.3537	0.0000	2,812.896 1	2,812.896 1	0.8485		2,830.714 0

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	0.4161	7.3628	4.7003	0.0198	0.6072	0.1348	0.7419	0.1628	0.1240	0.2868		1,995.370 4	1,995.370 4	0.0126		1,995.635 2
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	0.0307	0.0362	0.4537	1.0700e-003	0.0894	5.6000e-004	0.0900	0.0237	5.1000e-004	0.0242		88.7665	88.7665	3.8300e-003		88.8469
Total	0.4468	7.3990	5.1540	0.0209	0.6966	0.1353	0.8319	0.1865	0.1245	0.3110		2,084.137 0	2,084.137 0	0.0164		2,084.482 1

3.24 Paving 3 - 2017**Unmitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	2.1245	24.1267	12.9756	0.0271		1.0924	1.0924		1.0050	1.0050		2,766.6324	2,766.6324	0.8477		2,784.4339
Paving	1.6824					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Total	3.8069	24.1267	12.9756	0.0271		1.0924	1.0924		1.0050	1.0050		2,766.6324	2,766.6324	0.8477		2,784.4339

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	0.3866	6.7368	4.4783	0.0198	1.5868	0.1239	1.7107	0.4033	0.1140	0.5173		1,961.5532	1,961.5532	0.0123		1,961.8117
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	0.0275	0.0325	0.4075	1.0700e-003	0.0894	5.4000e-004	0.0900	0.0237	5.0000e-004	0.0242		85.2525	85.2525	3.5100e-003		85.3263
Total	0.4140	6.7693	4.8857	0.0208	1.6762	0.1245	1.8007	0.4270	0.1145	0.5415		2,046.8057	2,046.8057	0.0158		2,047.1380

3.24 Paving 3 - 2017**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	0.5097	7.7946	14.1898	0.0271		0.3537	0.3537		0.3537	0.3537	0.0000	2,766.6324	2,766.6324	0.8477		2,784.4339
Paving	1.6824					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Total	2.1921	7.7946	14.1898	0.0271		0.3537	0.3537		0.3537	0.3537	0.0000	2,766.6324	2,766.6324	0.8477		2,784.4339

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	0.3866	6.7368	4.4783	0.0198	1.5868	0.1239	1.7107	0.4033	0.1140	0.5173		1,961.5532	1,961.5532	0.0123		1,961.8117
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	0.0275	0.0325	0.4075	1.0700e-003	0.0894	5.4000e-004	0.0900	0.0237	5.0000e-004	0.0242		85.2525	85.2525	3.5100e-003		85.3263
Total	0.4140	6.7693	4.8857	0.0208	1.6762	0.1245	1.8007	0.4270	0.1145	0.5415		2,046.8057	2,046.8057	0.0158		2,047.1380

3.25 Architectural Coating 1 - 2016**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	28.8883					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Off-Road	3.2259	42.8974	23.9663	0.0515		1.5802	1.5802		1.4538	1.4538		5,346.3413	5,346.3413	1.6127		5,380.2069
Total	32.1142	42.8974	23.9663	0.0515		1.5802	1.5802		1.4538	1.4538		5,346.3413	5,346.3413	1.6127		5,380.2069

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	0.8161	0.9637	12.0794	0.0286	2.3808	0.0149	2.3957	0.6314	0.0137	0.6451		2,363.4089	2,363.4089	0.1019		2,365.5495
Total	0.8161	0.9637	12.0794	0.0286	2.3808	0.0149	2.3957	0.6314	0.0137	0.6451		2,363.4089	2,363.4089	0.1019		2,365.5495

3.25 Architectural Coating 1 - 2016**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	28.8883					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Off-Road	0.6293	2.7272	23.0759	0.0515		0.0839	0.0839		0.0839	0.0839	0.0000	5,346.341 3	5,346.341 3	1.6127		5,380.206 9
Total	29.5176	2.7272	23.0759	0.0515		0.0839	0.0839		0.0839	0.0839	0.0000	5,346.341 3	5,346.341 3	1.6127		5,380.206 9

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	0.8161	0.9637	12.0794	0.0286	2.3808	0.0149	2.3957	0.6314	0.0137	0.6451		2,363.408 9	2,363.408 9	0.1019		2,365.549 5
Total	0.8161	0.9637	12.0794	0.0286	2.3808	0.0149	2.3957	0.6314	0.0137	0.6451		2,363.408 9	2,363.408 9	0.1019		2,365.549 5

3.25 Architectural Coating 1 - 2017**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	28.8883					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Off-Road	3.0399	39.6179	22.2488	0.0514		1.4498	1.4498		1.3338	1.3338		5,256.379 9	5,256.379 9	1.6106		5,290.201 4
Total	31.9282	39.6179	22.2488	0.0514		1.4498	1.4498		1.3338	1.3338		5,256.379 9	5,256.379 9	1.6106		5,290.201 4

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	0.7311	0.8647	10.8482	0.0286	2.3808	0.0145	2.3953	0.6314	0.0134	0.6448		2,269.847 9	2,269.847 9	0.0935		2,271.811 4
Total	0.7311	0.8647	10.8482	0.0286	2.3808	0.0145	2.3953	0.6314	0.0134	0.6448		2,269.847 9	2,269.847 9	0.0935		2,271.811 4

3.25 Architectural Coating 1 - 2017**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	28.8883					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Off-Road	0.6293	2.7272	23.0759	0.0514		0.0839	0.0839		0.0839	0.0839	0.0000	5,256.379 9	5,256.379 9	1.6106		5,290.201 4
Total	29.5176	2.7272	23.0759	0.0514		0.0839	0.0839		0.0839	0.0839	0.0000	5,256.379 9	5,256.379 9	1.6106		5,290.201 4

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	0.7311	0.8647	10.8482	0.0286	2.3808	0.0145	2.3953	0.6314	0.0134	0.6448		2,269.847 9	2,269.847 9	0.0935		2,271.811 4
Total	0.7311	0.8647	10.8482	0.0286	2.3808	0.0145	2.3953	0.6314	0.0134	0.6448		2,269.847 9	2,269.847 9	0.0935		2,271.811 4

3.26 Misc. Finishes 3 - 2016**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	0.8663	11.6890	6.8307	0.0143		0.4225	0.4225		0.3887	0.3887		1,484.337 1	1,484.337 1	0.4477		1,493.739 4
Total	0.8663	11.6890	6.8307	0.0143		0.4225	0.4225		0.3887	0.3887		1,484.337 1	1,484.337 1	0.4477		1,493.739 4

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	3.2352	34.9089	36.5550	0.0875	2.6173	0.6776	3.2949	0.7476	0.6231	1.3707		8,789.255 4	8,789.255 4	0.0572		8,790.456 3
Worker	0.1533	0.1810	2.2684	5.3700e-003	0.4471	2.8000e-003	0.4499	0.1186	2.5700e-003	0.1211		443.8327	443.8327	0.0191		444.2347
Total	3.3884	35.0899	38.8235	0.0929	3.0644	0.6804	3.7448	0.8662	0.6257	1.4918		9,233.088 1	9,233.088 1	0.0763		9,234.691 0

3.26 Misc. Finishes 3 - 2016**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	0.2171	1.6464	6.6081	0.0143		0.0484	0.0484		0.0462	0.0462	0.0000	1,484.337 1	1,484.337 1	0.4477		1,493.739 4
Total	0.2171	1.6464	6.6081	0.0143		0.0484	0.0484		0.0462	0.0462	0.0000	1,484.337 1	1,484.337 1	0.4477		1,493.739 4

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	3.2352	34.9089	36.5550	0.0875	2.6173	0.6776	3.2949	0.7476	0.6231	1.3707		8,789.255 4	8,789.255 4	0.0572		8,790.456 3
Worker	0.1533	0.1810	2.2684	5.3700e-003	0.4471	2.8000e-003	0.4499	0.1186	2.5700e-003	0.1211		443.8327	443.8327	0.0191		444.2347
Total	3.3884	35.0899	38.8235	0.0929	3.0644	0.6804	3.7448	0.8662	0.6257	1.4918		9,233.088 1	9,233.088 1	0.0763		9,234.691 0

3.26 Misc. Finishes 3 - 2017**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	0.8148	10.8150	6.3939	0.0143		0.3832	0.3832		0.3525	0.3525		1,459.550 1	1,459.550 1	0.4472		1,468.941 4
Total	0.8148	10.8150	6.3939	0.0143		0.3832	0.3832		0.3525	0.3525		1,459.550 1	1,459.550 1	0.4472		1,468.941 4

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	2.9192	31.6630	34.1196	0.0874	2.6174	0.6072	3.2246	0.7476	0.5585	1.3061		8,640.847 0	8,640.847 0	0.0551		8,642.004 3
Worker	0.1373	0.1624	2.0372	5.3600e-003	0.4471	2.7200e-003	0.4498	0.1186	2.5100e-003	0.1211		426.2625	426.2625	0.0176		426.6312
Total	3.0565	31.8253	36.1568	0.0927	3.0645	0.6100	3.6744	0.8662	0.5610	1.4272		9,067.109 5	9,067.109 5	0.0727		9,068.635 5

3.26 Misc. Finishes 3 - 2017**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	0.2122	1.5923	6.6007	0.0143		0.0417	0.0417		0.0400	0.0400	0.0000	1,459.550 1	1,459.550 1	0.4472		1,468.941 4
Total	0.2122	1.5923	6.6007	0.0143		0.0417	0.0417		0.0400	0.0400	0.0000	1,459.550 1	1,459.550 1	0.4472		1,468.941 4

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	2.9192	31.6630	34.1196	0.0874	2.6174	0.6072	3.2246	0.7476	0.5585	1.3061		8,640.847 0	8,640.847 0	0.0551		8,642.004 3
Worker	0.1373	0.1624	2.0372	5.3600e-003	0.4471	2.7200e-003	0.4498	0.1186	2.5100e-003	0.1211		426.2625	426.2625	0.0176		426.6312
Total	3.0565	31.8253	36.1568	0.0927	3.0645	0.6100	3.6744	0.8662	0.5610	1.4272		9,067.109 5	9,067.109 5	0.0727		9,068.635 5

3.27 Architectural Coating 3 - 2016**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	11.2646					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Off-Road	0.8065	10.7243	5.9916	0.0129		0.3951	0.3951		0.3635	0.3635		1,336.5853	1,336.5853	0.4032		1,345.0517
Total	12.0711	10.7243	5.9916	0.0129		0.3951	0.3951		0.3635	0.3635		1,336.5853	1,336.5853	0.4032		1,345.0517

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	0.8161	0.9637	12.0794	0.0286	2.3808	0.0149	2.3957	0.6314	0.0137	0.6451		2,363.4089	2,363.4089	0.1019		2,365.5495
Total	0.8161	0.9637	12.0794	0.0286	2.3808	0.0149	2.3957	0.6314	0.0137	0.6451		2,363.4089	2,363.4089	0.1019		2,365.5495

3.27 Architectural Coating 3 - 2016**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	11.2646					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Off-Road	0.1573	0.6818	5.7690	0.0129		0.0210	0.0210		0.0210	0.0210	0.0000	1,336.5853	1,336.5853	0.4032		1,345.0517
Total	11.4219	0.6818	5.7690	0.0129		0.0210	0.0210		0.0210	0.0210	0.0000	1,336.5853	1,336.5853	0.4032		1,345.0517

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	0.8161	0.9637	12.0794	0.0286	2.3808	0.0149	2.3957	0.6314	0.0137	0.6451		2,363.4089	2,363.4089	0.1019		2,365.5495
Total	0.8161	0.9637	12.0794	0.0286	2.3808	0.0149	2.3957	0.6314	0.0137	0.6451		2,363.4089	2,363.4089	0.1019		2,365.5495

3.27 Architectural Coating 3 - 2017**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	11.2646					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Off-Road	0.7600	9.9045	5.5622	0.0129		0.3625	0.3625		0.3335	0.3335		1,314.0950	1,314.0950	0.4026		1,322.5504
Total	12.0246	9.9045	5.5622	0.0129		0.3625	0.3625		0.3335	0.3335		1,314.0950	1,314.0950	0.4026		1,322.5504

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	0.7311	0.8647	10.8482	0.0286	2.3808	0.0145	2.3953	0.6314	0.0134	0.6448		2,269.8479	2,269.8479	0.0935		2,271.8114
Total	0.7311	0.8647	10.8482	0.0286	2.3808	0.0145	2.3953	0.6314	0.0134	0.6448		2,269.8479	2,269.8479	0.0935		2,271.8114

3.27 Architectural Coating 3 - 2017**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	11.2646					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Off-Road	0.1573	0.6818	5.7690	0.0129		0.0210	0.0210		0.0210	0.0210	0.0000	1,314.0950	1,314.0950	0.4026		1,322.5504
Total	11.4219	0.6818	5.7690	0.0129		0.0210	0.0210		0.0210	0.0210	0.0000	1,314.0950	1,314.0950	0.4026		1,322.5504

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	0.7311	0.8647	10.8482	0.0286	2.3808	0.0145	2.3953	0.6314	0.0134	0.6448		2,269.8479	2,269.8479	0.0935		2,271.8114
Total	0.7311	0.8647	10.8482	0.0286	2.3808	0.0145	2.3953	0.6314	0.0134	0.6448		2,269.8479	2,269.8479	0.0935		2,271.8114

3.28 Paving 1 - 2016**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	3.1077	36.2213	18.4186	0.0378		1.5543	1.5543		1.4299	1.4299		3,924.9846	3,924.9846	1.1839		3,949.8468
Paving	0.5293					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Total	3.6370	36.2213	18.4186	0.0378		1.5543	1.5543		1.4299	1.4299		3,924.9846	3,924.9846	1.1839		3,949.8468

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	0.6986	12.3619	7.8918	0.0332	9.3460	0.2262	9.5723	2.3172	0.2081	2.5253		3,350.1890	3,350.1890	0.0212		3,350.6335
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	0.0383	0.0453	0.5671	1.3400e-003	0.1118	7.0000e-004	0.1125	0.0296	6.4000e-004	0.0303		110.9582	110.9582	4.7900e-003		111.0587
Total	0.7370	12.4072	8.4589	0.0346	9.4578	0.2269	9.6847	2.3468	0.2088	2.5556		3,461.1472	3,461.1472	0.0260		3,461.6921

3.28 Paving 1 - 2016**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	0.7764	12.9503	19.9676	0.0378		0.5492	0.5492		0.5492	0.5492	0.0000	3,924.9845	3,924.9845	1.1839		3,949.8468
Paving	0.5293					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Total	1.3057	12.9503	19.9676	0.0378		0.5492	0.5492		0.5492	0.5492	0.0000	3,924.9845	3,924.9845	1.1839		3,949.8468

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	0.6986	12.3619	7.8918	0.0332	9.3460	0.2262	9.5723	2.3172	0.2081	2.5253		3,350.1890	3,350.1890	0.0212		3,350.6335
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	0.0383	0.0453	0.5671	1.3400e-003	0.1118	7.0000e-004	0.1125	0.0296	6.4000e-004	0.0303		110.9582	110.9582	4.7900e-003		111.0587
Total	0.7370	12.4072	8.4589	0.0346	9.4578	0.2269	9.6847	2.3468	0.2088	2.5556		3,461.1472	3,461.1472	0.0260		3,461.6921

3.28 Paving 1 - 2017**Unmitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	2.9451	33.5783	17.5545	0.0378		1.4486	1.4486		1.3327	1.3327		3,860.5983	3,860.5983	1.1829		3,885.4388
Paving	0.5293					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Total	3.4744	33.5783	17.5545	0.0378		1.4486	1.4486		1.3327	1.3327		3,860.5983	3,860.5983	1.1829		3,885.4388

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	0.6490	11.3110	7.5189	0.0332	0.8584	0.2081	1.0665	0.2339	0.1914	0.4253		3,293.4105	3,293.4105	0.0207		3,293.8445
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	0.0343	0.0406	0.5093	1.3400e-003	0.1118	6.8000e-004	0.1125	0.0296	6.3000e-004	0.0303		106.5656	106.5656	4.3900e-003		106.6578
Total	0.6834	11.3516	8.0282	0.0345	0.9702	0.2088	1.1790	0.2635	0.1921	0.4556		3,399.9762	3,399.9762	0.0251		3,400.5023

3.28 Paving 1 - 2017**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	0.7764	12.9503	19.9676	0.0378		0.5492	0.5492		0.5492	0.5492	0.0000	3,860.5983	3,860.5983	1.1829		3,885.4388
Paving	0.5293					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Total	1.3057	12.9503	19.9676	0.0378		0.5492	0.5492		0.5492	0.5492	0.0000	3,860.5983	3,860.5983	1.1829		3,885.4388

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	0.6490	11.3110	7.5189	0.0332	0.8584	0.2081	1.0665	0.2339	0.1914	0.4253		3,293.4105	3,293.4105	0.0207		3,293.8445
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	0.0343	0.0406	0.5093	1.3400e-003	0.1118	6.8000e-004	0.1125	0.0296	6.3000e-004	0.0303		106.5656	106.5656	4.3900e-003		106.6578
Total	0.6834	11.3516	8.0282	0.0345	0.9702	0.2088	1.1790	0.2635	0.1921	0.4556		3,399.9762	3,399.9762	0.0251		3,400.5023

3.29 Roofing & Overhead Work 4 - 2016**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	1.9532	24.8275	14.3833	0.0291		1.0194	1.0194		0.9379	0.9379		3,017.0957	3,017.0957	0.9101		3,036.2070
Total	1.9532	24.8275	14.3833	0.0291		1.0194	1.0194		0.9379	0.9379		3,017.0957	3,017.0957	0.9101		3,036.2070

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	3.2352	34.9089	36.5550	0.0875	2.6173	0.6776	3.2949	0.7476	0.6231	1.3707		8,789.2554	8,789.2554	0.0572		8,790.4563
Worker	0.1533	0.1810	2.2684	5.3700e-003	0.4471	2.8000e-003	0.4499	0.1186	2.5700e-003	0.1211		443.8327	443.8327	0.0191		444.2347
Total	3.3884	35.0899	38.8235	0.0929	3.0644	0.6804	3.7448	0.8662	0.6257	1.4918		9,233.0881	9,233.0881	0.0763		9,234.6910

3.29 Roofing & Overhead Work 4 - 2016**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	0.6549	4.7424	13.9381	0.0291		0.2713	0.2713		0.2529	0.2529	0.0000	3,017.0957	3,017.0957	0.9101		3,036.2070
Total	0.6549	4.7424	13.9381	0.0291		0.2713	0.2713		0.2529	0.2529	0.0000	3,017.0957	3,017.0957	0.9101		3,036.2070

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	3.2352	34.9089	36.5550	0.0875	2.6173	0.6776	3.2949	0.7476	0.6231	1.3707		8,789.2554	8,789.2554	0.0572		8,790.4563
Worker	0.1533	0.1810	2.2684	5.3700e-003	0.4471	2.8000e-003	0.4499	0.1186	2.5700e-003	0.1211		443.8327	443.8327	0.0191		444.2347
Total	3.3884	35.0899	38.8235	0.0929	3.0644	0.6804	3.7448	0.8662	0.6257	1.4918		9,233.0881	9,233.0881	0.0763		9,234.6910

3.29 Roofing & Overhead Work 4 - 2017**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	1.8355	22.9768	13.4999	0.0290		0.9319	0.9319		0.8573	0.8573		2,966.7690	2,966.7690	0.9090		2,985.8582
Total	1.8355	22.9768	13.4999	0.0290		0.9319	0.9319		0.8573	0.8573		2,966.7690	2,966.7690	0.9090		2,985.8582

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	2.9192	31.6630	34.1196	0.0874	2.6174	0.6072	3.2246	0.7476	0.5585	1.3061		8,640.8470	8,640.8470	0.0551		8,642.0043
Worker	0.1373	0.1624	2.0372	5.3600e-003	0.4471	2.7200e-003	0.4498	0.1186	2.5100e-003	0.1211		426.2625	426.2625	0.0176		426.6312
Total	3.0565	31.8253	36.1568	0.0927	3.0645	0.6100	3.6744	0.8662	0.5610	1.4272		9,067.1095	9,067.1095	0.0727		9,068.6355

3.29 Roofing & Overhead Work 4 - 2017**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	0.6303	4.5315	13.9135	0.0290		0.2489	0.2489		0.2324	0.2324	0.0000	2,966.7690	2,966.7690	0.9090		2,985,8582
Total	0.6303	4.5315	13.9135	0.0290		0.2489	0.2489		0.2324	0.2324	0.0000	2,966.7690	2,966.7690	0.9090		2,985,8582

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	2.9192	31.6630	34.1196	0.0874	2.6174	0.6072	3.2246	0.7476	0.5585	1.3061		8,640.8470	8,640.8470	0.0551		8,642.0043
Worker	0.1373	0.1624	2.0372	5.3600e-003	0.4471	2.7200e-003	0.4498	0.1186	2.5100e-003	0.1211		426.2625	426.2625	0.0176		426.6312
Total	3.0565	31.8253	36.1568	0.0927	3.0645	0.6100	3.6744	0.8662	0.5610	1.4272		9,067.1095	9,067.1095	0.0727		9,068.6355

3.30 Architectural Coating 4 - 2017**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	14.0735					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Off-Road	0.7600	9.9045	5.5622	0.0129		0.3625	0.3625		0.3335	0.3335		1,314.0950	1,314.0950	0.4026		1,322.5504
Total	14.8334	9.9045	5.5622	0.0129		0.3625	0.3625		0.3335	0.3335		1,314.0950	1,314.0950	0.4026		1,322.5504

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	0.7311	0.8647	10.8482	0.0286	2.3808	0.0145	2.3953	0.6314	0.0134	0.6448		2,269.8479	2,269.8479	0.0935		2,271.8114
Total	0.7311	0.8647	10.8482	0.0286	2.3808	0.0145	2.3953	0.6314	0.0134	0.6448		2,269.8479	2,269.8479	0.0935		2,271.8114

3.30 Architectural Coating 4 - 2017**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	14.0735					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Off-Road	0.1573	0.6818	5.7690	0.0129		0.0210	0.0210		0.0210	0.0210	0.0000	1,314.0950	1,314.0950	0.4026		1,322.5504
Total	14.2308	0.6818	5.7690	0.0129		0.0210	0.0210		0.0210	0.0210	0.0000	1,314.0950	1,314.0950	0.4026		1,322.5504

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	0.7311	0.8647	10.8482	0.0286	2.3808	0.0145	2.3953	0.6314	0.0134	0.6448		2,269.8479	2,269.8479	0.0935		2,271.8114
Total	0.7311	0.8647	10.8482	0.0286	2.3808	0.0145	2.3953	0.6314	0.0134	0.6448		2,269.8479	2,269.8479	0.0935		2,271.8114

3.31 Paving 4 - 2017**Unmitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	2.1245	24.1267	12.9756	0.0271		1.0924	1.0924		1.0050	1.0050		2,766.6324	2,766.6324	0.8477		2,784.4339
Paving	1.3085					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Total	3.4330	24.1267	12.9756	0.0271		1.0924	1.0924		1.0050	1.0050		2,766.6324	2,766.6324	0.8477		2,784.4339

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	0.3239	5.6438	3.7517	0.0166	0.4061	0.1038	0.5099	0.1112	0.0955	0.2067		1,643.3121	1,643.3121	0.0103		1,643.5286
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	0.0275	0.0325	0.4075	1.0700e-003	0.0894	5.4000e-004	0.0900	0.0237	5.0000e-004	0.0242		85.2525	85.2525	3.5100e-003		85.3263
Total	0.3513	5.6763	4.1592	0.0176	0.4955	0.1044	0.5999	0.1349	0.0960	0.2310		1,728.5646	1,728.5646	0.0138		1,728.8549

3.31 Paving 4 - 2017**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	0.5097	7.7946	14.1898	0.0271		0.3537	0.3537		0.3537	0.3537	0.0000	2,766.6324	2,766.6324	0.8477		2,784.4339
Paving	1.3085					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Total	1.8183	7.7946	14.1898	0.0271		0.3537	0.3537		0.3537	0.3537	0.0000	2,766.6324	2,766.6324	0.8477		2,784.4339

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	0.3239	5.6438	3.7517	0.0166	0.4061	0.1038	0.5099	0.1112	0.0955	0.2067		1,643.3121	1,643.3121	0.0103		1,643.5286
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	0.0275	0.0325	0.4075	1.0700e-003	0.0894	5.4000e-004	0.0900	0.0237	5.0000e-004	0.0242		85.2525	85.2525	3.5100e-003		85.3263
Total	0.3513	5.6763	4.1592	0.0176	0.4955	0.1044	0.5999	0.1349	0.0960	0.2310		1,728.5646	1,728.5646	0.0138		1,728.8549

3.32 Misc. Finishes 4 - 2017**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	0.8148	10.8150	6.3939	0.0143		0.3832	0.3832		0.3525	0.3525		1,459.550 1	1,459.550 1	0.4472		1,468.941 4
Total	0.8148	10.8150	6.3939	0.0143		0.3832	0.3832		0.3525	0.3525		1,459.550 1	1,459.550 1	0.4472		1,468.941 4

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	2.9192	31.6630	34.1196	0.0874	2.6174	0.6072	3.2246	0.7476	0.5585	1.3061		8,640.847 0	8,640.847 0	0.0551		8,642.004 3
Worker	0.1373	0.1624	2.0372	5.3600e-003	0.4471	2.7200e-003	0.4498	0.1186	2.5100e-003	0.1211		426.2625	426.2625	0.0176		426.6312
Total	3.0565	31.8253	36.1568	0.0927	3.0645	0.6100	3.6744	0.8662	0.5610	1.4272		9,067.109 5	9,067.109 5	0.0727		9,068.635 5

3.32 Misc. Finishes 4 - 2017**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	0.2122	1.5923	6.6007	0.0143		0.0417	0.0417		0.0400	0.0400	0.0000	1,459.550 1	1,459.550 1	0.4472		1,468.941 4
Total	0.2122	1.5923	6.6007	0.0143		0.0417	0.0417		0.0400	0.0400	0.0000	1,459.550 1	1,459.550 1	0.4472		1,468.941 4

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	2.9192	31.6630	34.1196	0.0874	2.6174	0.6072	3.2246	0.7476	0.5585	1.3061		8,640.847 0	8,640.847 0	0.0551		8,642.004 3
Worker	0.1373	0.1624	2.0372	5.3600e-003	0.4471	2.7200e-003	0.4498	0.1186	2.5100e-003	0.1211		426.2625	426.2625	0.0176		426.6312
Total	3.0565	31.8253	36.1568	0.0927	3.0645	0.6100	3.6744	0.8662	0.5610	1.4272		9,067.109 5	9,067.109 5	0.0727		9,068.635 5

3.33 Misc. Finishes 1 - 2017**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	1.6297	21.6300	12.7878	0.0286		0.7663	0.7663		0.7050	0.7050		2,919.1003	2,919.1003	0.8944		2,937.8828
Total	1.6297	21.6300	12.7878	0.0286		0.7663	0.7663		0.7050	0.7050		2,919.1003	2,919.1003	0.8944		2,937.8828

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	2.9192	31.6630	34.1196	0.0874	2.6174	0.6072	3.2246	0.7476	0.5585	1.3061		8,640.8470	8,640.8470	0.0551		8,642.0043
Worker	0.4290	0.5075	6.3663	0.0168	1.3972	8.4900e-003	1.4057	0.3706	7.8400e-003	0.3784		1,332.0704	1,332.0704	0.0549		1,333.2226
Total	3.3482	32.1704	40.4859	0.1041	4.0146	0.6157	4.6303	1.1182	0.5663	1.6845		9,972.9174	9,972.9174	0.1100		9,975.2269

3.33 Misc. Finishes 1 - 2017**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	0.4244	3.1847	13.2014	0.0286		0.0834	0.0834		0.0801	0.0801	0.0000	2,919.1003	2,919.1003	0.8944		2,937.8828
Total	0.4244	3.1847	13.2014	0.0286		0.0834	0.0834		0.0801	0.0801	0.0000	2,919.1003	2,919.1003	0.8944		2,937.8828

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	2.9192	31.6630	34.1196	0.0874	2.6174	0.6072	3.2246	0.7476	0.5585	1.3061		8,640.8470	8,640.8470	0.0551		8,642.0043
Worker	0.4290	0.5075	6.3663	0.0168	1.3972	8.4900e-003	1.4057	0.3706	7.8400e-003	0.3784		1,332.0704	1,332.0704	0.0549		1,333.2226
Total	3.3482	32.1704	40.4859	0.1041	4.0146	0.6157	4.6303	1.1182	0.5663	1.6845		9,972.9174	9,972.9174	0.1100		9,975.2269

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	0.0000	0.0000	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	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000

4.2 Trip Summary Information

Land Use	Average Daily Trip Rate			Unmitigated	Mitigated
	Weekday	Saturday	Sunday	Annual VMT	Annual VMT
General Light Industry	0.00	0.00	0.00		
Parking Lot	0.00	0.00	0.00		
Unrefrigerated Warehouse-No Rail	0.00	0.00	0.00		
Total	0.00	0.00	0.00		

4.3 Trip Type Information

Land Use	Miles			Trip %			Trip Purpose %		
	H-W or C-W	H-S or C-C	H-O or C-NW	H-W or C-W	H-S or C-C	H-O or C-NW	Primary	Diverted	Pass-by
General Light Industry	16.60	8.40	6.90	59.00	28.00	13.00	92	5	3
Parking Lot	16.60	8.40	6.90	0.00	0.00	0.00	0	0	0
Unrefrigerated Warehouse-No Rail	16.60	8.40	6.90	59.00	0.00	41.00	92	5	3

LDA	LDT1	LDT2	MDV	LHD1	LHD2	MHD	HHD	OBUS	UBUS	MCY	SBUS	MH
0.000000	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000

5.0 Energy Detail

5.1 Fleet Mix

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					
Parking Lot	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Unrefrigerated Warehouse-No Pail	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
General Light Industry	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					
Parking Lot	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Unrefrigerated Warehouse-No Pail	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
General Light Industry	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	50.2645	3.6800e-003	0.3886	3.0000e-005		1.4000e-003	1.4000e-003		1.4000e-003	1.4000e-003		0.8175	0.8175	2.2800e-003		0.8653
Unmitigated	50.2645	3.6800e-003	0.3886	3.0000e-005		1.4000e-003	1.4000e-003		1.4000e-003	1.4000e-003		0.8175	0.8175	2.2800e-003		0.8653

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	0.0000					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Consumer Products	50.2270					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Landscaping	0.0375	3.6800e-003	0.3886	3.0000e-005		1.4000e-003	1.4000e-003		1.4000e-003	1.4000e-003		0.8175	0.8175	2.2800e-003		0.8653
Total	50.2645	3.6800e-003	0.3886	3.0000e-005		1.4000e-003	1.4000e-003		1.4000e-003	1.4000e-003		0.8175	0.8175	2.2800e-003		0.8653

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	0.0000					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Consumer Products	50.2270					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Landscaping	0.0375	3.6800e-003	0.3886	3.0000e-005		1.4000e-003	1.4000e-003		1.4000e-003	1.4000e-003		0.8175	0.8175	2.2800e-003		0.8653
Total	50.2645	3.6800e-003	0.3886	3.0000e-005		1.4000e-003	1.4000e-003		1.4000e-003	1.4000e-003		0.8175	0.8175	2.2800e-003		0.8653

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 Vegetation

MoVal Logistics Center- Construction
Riverside-South Coast County, Winter

1.0 Project Characteristics

1.1 Land Usage

Land Uses	Size	Metric	Lot Acreage	Floor Surface Area	Population
General Light Industry	385.75	1000sqft	16.70	385,748.00	0
Unrefrigerated Warehouse-No Rail	1,351.77	1000sqft	50.14	1,351,770.00	0
Parking Lot	1,998.00	Space	17.98	799,200.00	0

1.2 Other Project Characteristics

Urbanization	Urban	Wind Speed (m/s)	2.4	Precipitation Freq (Days)	28
Climate Zone	10			Operational Year	2017
Utility Company	Southern California Edison				
CO2 Intensity (lb/MWhr)	515.47	CH4 Intensity (lb/MWhr)	0.029	N2O Intensity (lb/MWhr)	0.006

1.3 User Entered Comments & Non-Default Data

Project Characteristics - CPUC GHG Calculator version 3c, worksheet tab "CO2 Allocations," cells AH/AQ 35-44.

Land Use - Total Lot Acreage:84.82; A trailer parking space requires significantly more space than one regular parking space. Therefore, for analysis purposes, 1 trailer parking=3.27 parking spaces.

Construction Phase - Based on client specifications

Off-road Equipment - Based on client specifications

Off-road Equipment - Based on client specifications

Off-road Equipment - Based on client specifications

Off-road Equipment - Based on client specifications

Off-road Equipment - Based on client specifications

Off-road Equipment - Based on client specifications

Off-road Equipment - Based on client specifications

Off-road Equipment - Based on client specifications

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Off-road Equipment - Based on client specifications

Off-road Equipment - Based on client specifications

Off-road Equipment - Based on client specifications

Off-road Equipment - Based on client specifications

Off-road Equipment - Based on client specifications

Off-road Equipment - Based on client specifications

Off-road Equipment - Based on client specifications

Trips and VMT - Based on client specifications

Grading -

Architectural Coating - Based on client specifications; Use 50g/L Low VOC Paint

Vehicle Trips - Construction run only

Vehicle Emission Factors - Construction run only

Vehicle Emission Factors - Construction run only

Vehicle Emission Factors - Construction run only

Road Dust - Construction run only

Consumer Products - Construction run only

Area Coating - Construction run only

Landscape Equipment - Construction run only

Energy Use - Construction run only

Water And Wastewater - Construction run only

Solid Waste - Construction run only

Construction Off-road Equipment Mitigation - Based on client specifications

Table Name	Column Name	Default Value	New Value
tblArchitecturalCoating	ConstArea_Nonresidential_Exterior	880,747.00	243,073.00
tblArchitecturalCoating	ConstArea_Nonresidential_Exterior	880,747.00	43,746.00
tblArchitecturalCoating	ConstArea_Nonresidential_Exterior	880,747.00	60,727.00
tblArchitecturalCoating	ConstArea_Nonresidential_Exterior	880,747.00	51,832.00
tblArchitecturalCoating	ConstArea_Nonresidential_Interior	2,642,241.00	243,073.00
tblArchitecturalCoating	ConstArea_Nonresidential_Interior	2,642,241.00	43,746.00
tblArchitecturalCoating	ConstArea_Nonresidential_Interior	2,642,241.00	60,727.00
tblArchitecturalCoating	ConstArea_Nonresidential_Interior	2,642,241.00	51,832.00
tblArchitecturalCoating	EF_Nonresidential_Exterior	250.00	50.00
tblArchitecturalCoating	EF_Nonresidential_Exterior	250.00	50.00
tblArchitecturalCoating	EF_Nonresidential_Exterior	250.00	50.00
tblArchitecturalCoating	EF_Nonresidential_Exterior	250.00	50.00
tblArchitecturalCoating	EF_Nonresidential_Interior	250.00	50.00
tblArchitecturalCoating	EF_Nonresidential_Interior	250.00	50.00
tblArchitecturalCoating	EF_Nonresidential_Interior	250.00	50.00

tblArchitecturalCoating	EF_Nonresidential_Interior	250.00	50.00
tblAreaCoating	ReapplicationRatePercent	10	0
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	4.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	5.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	4.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	2.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	61.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	6.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	5.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	14.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	17.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	15.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	4.00
tblConstEquipMitigation	Tier	No Change	Tier 3
tblConstEquipMitigation	Tier	No Change	Tier 3
tblConstEquipMitigation	Tier	No Change	Tier 2
tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstEquipMitigation	Tier	No Change	Tier 1
tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstEquipMitigation	Tier	No Change	Tier 3
tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstEquipMitigation	Tier	No Change	Tier 3
tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstEquipMitigation	Tier	No Change	Tier 3
tblConstEquipMitigation	Tier	No Change	Tier 3
tblConstructionPhase	NumDays	110.00	18.00
tblConstructionPhase	NumDays	110.00	39.00
tblConstructionPhase	NumDays	110.00	18.00

tblConstructionPhase	NumDays	110.00	20.00
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tblConstructionPhase	NumDays	110.00	36.00
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tblConstructionPhase	PhaseEndDate	2/24/2017	2/7/2017
tblConstructionPhase	PhaseEndDate	11/18/2016	10/25/2016
tblConstructionPhase	PhaseEndDate	1/4/2017	11/23/2016
tblConstructionPhase	PhaseEndDate	1/27/2017	12/5/2016
tblConstructionPhase	PhaseEndDate	1/4/2017	10/31/2016
tblConstructionPhase	PhaseEndDate	11/28/2016	11/22/2016
tblConstructionPhase	PhaseEndDate	12/23/2016	11/29/2016
tblConstructionPhase	PhaseEndDate	2/3/2017	1/5/2017
tblConstructionPhase	PhaseEndDate	1/18/2017	12/29/2016
tblConstructionPhase	PhaseEndDate	1/30/2017	12/22/2016
tblConstructionPhase	PhaseEndDate	1/24/2017	12/26/2016
tblConstructionPhase	PhaseEndDate	3/10/2017	1/17/2017
tblConstructionPhase	PhaseEndDate	5/30/2017	1/27/2017
tblConstructionPhase	PhaseEndDate	4/14/2017	2/28/2017
tblConstructionPhase	PhaseEndDate	5/30/2017	4/20/2017
tblConstructionPhase	PhaseEndDate	3/9/2017	10/24/2016
tblConstructionPhase	PhaseEndDate	11/9/2016	9/29/2016
tblConstructionPhase	PhaseEndDate	10/17/2016	8/19/2016
tblConstructionPhase	PhaseEndDate	10/24/2016	9/14/2016
tblConstructionPhase	PhaseEndDate	2/14/2017	12/15/2016
tblConstructionPhase	PhaseEndDate	2/2/2017	1/10/2017
tblConstructionPhase	PhaseEndDate	5/5/2017	4/26/2017
tblConstructionPhase	PhaseEndDate	3/29/2017	3/2/2017
tblConstructionPhase	PhaseEndDate	12/13/2016	10/26/2016
tblConstructionPhase	PhaseEndDate	12/5/2016	11/15/2016
tblConstructionPhase	PhaseEndDate	12/9/2016	8/31/2016
tblConstructionPhase	PhaseEndDate	10/5/2016	9/28/2016
tblConstructionPhase	PhaseStartDate	12/16/2016	11/14/2016

tblConstructionPhase	PhaseStartDate	1/11/2017	12/7/2016
tblConstructionPhase	PhaseStartDate	1/18/2017	12/8/2016
tblConstructionPhase	PhaseStartDate	1/28/2017	1/11/2017
tblConstructionPhase	PhaseStartDate	9/15/2016	8/22/2016
tblConstructionPhase	PhaseStartDate	10/27/2016	9/15/2016
tblConstructionPhase	PhaseStartDate	11/24/2016	9/30/2016
tblConstructionPhase	PhaseStartDate	12/6/2016	9/30/2016
tblConstructionPhase	PhaseStartDate	11/1/2016	10/26/2016
tblConstructionPhase	PhaseStartDate	11/23/2016	10/28/2016
tblConstructionPhase	PhaseStartDate	11/30/2016	11/1/2016
tblConstructionPhase	PhaseStartDate	12/8/2016	11/18/2016
tblConstructionPhase	PhaseStartDate	12/30/2016	11/23/2016
tblConstructionPhase	PhaseStartDate	12/23/2016	11/24/2016
tblConstructionPhase	PhaseStartDate	1/31/2017	12/8/2016
tblConstructionPhase	PhaseStartDate	4/27/2017	12/27/2016
tblConstructionPhase	PhaseStartDate	3/3/2017	1/17/2017
tblConstructionPhase	PhaseStartDate	3/1/2017	1/20/2017
tblConstructionPhase	PhaseStartDate	11/16/2016	7/1/2016
tblConstructionPhase	PhaseStartDate	9/1/2016	7/22/2016
tblConstructionPhase	PhaseStartDate	9/30/2016	8/4/2016
tblConstructionPhase	PhaseStartDate	9/29/2016	8/22/2016
tblConstructionPhase	PhaseStartDate	1/6/2017	11/8/2016
tblConstructionPhase	PhaseStartDate	12/27/2016	12/2/2016
tblConstructionPhase	PhaseStartDate	1/3/2017	12/23/2016
tblConstructionPhase	PhaseStartDate	2/8/2017	1/12/2017
tblConstructionPhase	PhaseStartDate	10/26/2016	9/8/2016
tblConstructionPhase	PhaseStartDate	7/21/2016	7/1/2016
tblConstructionPhase	PhaseStartDate	10/25/2016	7/15/2016

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[illegible]

[illegible]

[illegible]

[illegible]

[illegible]

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[illegible]

[illegible]

[illegible]

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tblOffRoadEquipment	UsageHours	7.00	8.00
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tblOffRoadEquipment	UsageHours	7.00	8.00
tblOffRoadEquipment	UsageHours	7.00	8.00
tblProjectCharacteristics	CO2IntensityFactor	630.89	515.47
tblProjectCharacteristics	OperationalYear	2014	2017
tblRoadDust	RoadPercentPave	100	0
tblSolidWaste	SolidWasteGenerationRate	478.33	0.00
tblSolidWaste	SolidWasteGenerationRate	1,270.66	0.00
tblTripsAndVMT	HaulingTripNumber	0.00	1,078.00
tblTripsAndVMT	HaulingTripNumber	0.00	1,758.00
tblTripsAndVMT	HaulingTripNumber	0.00	728.00
tblTripsAndVMT	HaulingTripNumber	0.00	778.00
tblTripsAndVMT	HaulingTripNumber	0.00	4,152.00
tblTripsAndVMT	HaulingTripNumber	0.00	838.00
tblTripsAndVMT	HaulingTripNumber	0.00	10,384.00
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tblTripsAndVMT	WorkerTripNumber	1,065.00	125.00
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tblTripsAndVMT	WorkerTripNumber	1,065.00	125.00
tblTripsAndVMT	WorkerTripNumber	1,065.00	40.00
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tblVehicleEF	HHD	0.04	0.00
tblVehicleEF	LDA	0.46	0.00
tblVehicleEF	LDA	0.46	0.00
tblVehicleEF	LDA	0.46	0.00
tblVehicleEF	LDT1	0.07	0.00
tblVehicleEF	LDT1	0.07	0.00
tblVehicleEF	LDT1	0.07	0.00
tblVehicleEF	LDT2	0.18	0.00
tblVehicleEF	LDT2	0.18	0.00
tblVehicleEF	LDT2	0.18	0.00
tblVehicleEF	LHD1	0.05	0.00
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tblVehicleEF	LHD2	7.3830e-003	0.00
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tblVehicleEF	MDV	0.17	0.00
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tblVehicleEF	MH	3.2420e-003	0.00
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tblVehicleEF	MHD	0.01	0.00
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tblVehicleEF	OBUS	9.5400e-004	0.00
tblVehicleEF	OBUS	9.5400e-004	0.00
tblVehicleEF	OBUS	9.5400e-004	0.00
tblVehicleEF	SBUS	8.8400e-004	0.00
tblVehicleEF	SBUS	8.8400e-004	0.00
tblVehicleEF	SBUS	8.8400e-004	0.00
tblVehicleEF	UBUS	1.0560e-003	0.00
tblVehicleEF	UBUS	1.0560e-003	0.00
tblVehicleEF	UBUS	1.0560e-003	0.00
tblVehicleTrips	ST_TR	1.32	0.00
tblVehicleTrips	ST_TR	2.59	0.00
tblVehicleTrips	SU_TR	0.68	0.00
tblVehicleTrips	SU_TR	2.59	0.00
tblVehicleTrips	WD_TR	6.97	0.00
tblVehicleTrips	WD_TR	2.59	0.00
tblWater	IndoorWaterUseRate	89,204,687.50	0.00

tblWater	IndoorWaterUseRate	312,596,812.50	0.00

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					
2016	81.9065	603.0119	456.2343	1.0246	28.1237	21.3405	40.3836	7.5128	19.6323	23.9972	0.0000	103,433.1289	103,433.1289	15.7265	0.0000	103,763.3862
2017	70.4017	296.8200	259.9947	0.6113	17.5516	9.4041	26.9557	4.8039	8.6513	13.4552	0.0000	59,647.9438	59,647.9438	7.3495	0.0000	59,802.2838
Total	152.3082	899.8319	716.2290	1.6359	45.6753	30.7446	67.3393	12.3167	28.2836	37.4524	0.0000	163,081.0727	163,081.0727	23.0761	0.0000	163,565.6701

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					
2016	69.3611	321.3498	463.9466	1.0246	28.1237	8.5089	33.3321	7.5128	8.0714	13.9015	0.0000	103,433.1288	103,433.1288	15.7265	0.0000	103,763.3862
2017	60.5920	158.4106	265.8967	0.6113	17.5516	4.0099	21.5615	4.8039	3.7794	8.5832	0.0000	59,647.9438	59,647.9438	7.3495	0.0000	59,802.2838
Total	129.9530	479.7604	729.8433	1.6359	45.6753	12.5188	54.8936	12.3167	11.8508	22.4847	0.0000	163,081.0726	163,081.0726	23.0761	0.0000	163,565.6700

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N2O	CO2e
Percent Reduction	14.68	46.68	-1.90	0.00	0.00	59.28	18.48	0.00	58.10	39.96	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	50.2645	3.6800e-003	0.3886	3.0000e-005		1.4000e-003	1.4000e-003		1.4000e-003	1.4000e-003		0.8175	0.8175	2.2800e-003		0.8653
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	0.0000	0.0000	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	50.2645	3.6800e-003	0.3886	3.0000e-005	0.0000	1.4000e-003	1.4000e-003	0.0000	1.4000e-003	1.4000e-003		0.8175	0.8175	2.2800e-003	0.0000	0.8653

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	50.2645	3.6800e-003	0.3886	3.0000e-005		1.4000e-003	1.4000e-003		1.4000e-003	1.4000e-003		0.8175	0.8175	2.2800e-003		0.8653
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	0.0000	0.0000	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	50.2645	3.6800e-003	0.3886	3.0000e-005	0.0000	1.4000e-003	1.4000e-003	0.0000	1.4000e-003	1.4000e-003		0.8175	0.8175	2.2800e-003	0.0000	0.8653

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N2O	CO2e
Percent Reduction	0.00	0.00	0.00	0.00	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	Grading 1	Grading	4/29/2016	6/30/2016	5	45	
2	Grading 2	Grading	7/1/2016	7/20/2016	5	14	
3	Trenching 1	Trenching	7/1/2016	11/15/2016	5	98	
4	Concrete Shell 1	Building Construction	7/1/2016	10/24/2016	5	82	
5	Trenching 2	Trenching	7/15/2016	8/31/2016	5	34	
6	Concrete Shell 2	Building Construction	7/22/2016	9/29/2016	5	50	
7	Grading 3	Grading	8/4/2016	8/19/2016	5	12	
8	Trenching 3	Trenching	8/15/2016	9/28/2016	5	33	
9	Grading 4	Grading	8/22/2016	9/14/2016	5	18	
10	Concrete Shell 3	Building Construction	8/22/2016	10/25/2016	5	47	
11	Trenching 4	Trenching	9/8/2016	10/26/2016	5	35	
12	Concrete Shell 4	Building Construction	9/15/2016	11/23/2016	5	50	
13	Steel & Roof 1	Building Construction	9/30/2016	12/5/2016	5	47	
14	Steel & Roof 2	Building Construction	9/30/2016	10/31/2016	5	22	
15	Steel & Roof 3	Building Construction	10/26/2016	11/22/2016	5	20	
16	Roofing & Overhead Work 2	Building Construction	10/28/2016	11/29/2016	5	23	
17	Roofing & Overhead Work 1	Building Construction	11/1/2016	1/5/2017	5	48	
18	Paving 2	Paving	11/8/2016	12/15/2016	5	28	
19	Architectural Coating 2	Architectural Coating	11/14/2016	12/7/2016	5	18	

20	Misc. Finishes 2	Building Construction	11/18/2016	12/29/2016	5	30
21	Roofing & Overhead Work 3	Building Construction	11/23/2016	12/22/2016	5	22
22	Steel & Roof 4	Building Construction	11/24/2016	12/26/2016	5	23
23	Paving 3	Paving	12/2/2016	1/10/2017	5	28
24	Architectural Coating 1	Architectural Coating	12/7/2016	1/30/2017	5	39
25	Misc. Finishes 3	Building Construction	12/8/2016	1/17/2017	5	29
26	Architectural Coating 3	Architectural Coating	12/8/2016	1/2/2017	5	18
27	Paving 1	Paving	12/23/2016	4/26/2017	5	89
28	Roofing & Overhead Work 4	Building Construction	12/27/2016	1/27/2017	5	24
29	Architectural Coating 4	Architectural Coating	1/11/2017	2/7/2017	5	20
30	Paving 4	Paving	1/12/2017	3/2/2017	5	36
31	Misc. Finishes 4	Building Construction	1/17/2017	2/28/2017	5	31
32	Misc. Finishes 1	Building Construction	1/20/2017	4/20/2017	5	65

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: 51,832; Non-Residential Outdoor: 51,832 (Architectural Coating – sqft)

OffRoad Equipment

Phase Name	Offroad Equipment Type	Amount	Usage Hours	Horse Power	Load Factor
Grading 1	Crawler Tractors	1	8.00	410	0.43
Grading 1	Excavators	0	8.00	162	0.38
Grading 1	Graders	1	8.00	302	0.41
Grading 1	Off-Highway Tractors	2	8.00	485	0.44
Grading 1	Other Construction Equipment	2	8.00	354	0.44
Grading 1	Other General Industrial Equipment	3	8.00	330	0.37

Grading 1	Rubber Tired Dozers	1	8.00	451	0.40
Grading 1	Rubber Tired Loaders	1	8.00	350	0.36
Grading 1	Scrapers	8	8.00	452	0.48
Grading 1	Tractors/Loaders/Backhoes	0	8.00	97	0.37
Grading 2	Cranes	0	7.00	226	0.29
Grading 2	Crawler Tractors	1	8.00	410	0.43
Grading 2	Excavators	0	8.00	162	0.38
Grading 2	Forklifts	0	8.00	89	0.20
Grading 2	Generator Sets	0	8.00	84	0.74
Grading 2	Graders	1	8.00	302	0.41
Grading 2	Other Construction Equipment	1	8.00	354	0.42
Grading 2	Other General Industrial Equipment	1	8.00	330	0.37
Grading 2	Pavers	0	8.00	125	0.42
Grading 2	Paving Equipment	0	8.00	49	0.36
Grading 2	Rollers	0	8.00	80	0.38
Grading 2	Rubber Tired Dozers	0	8.00	255	0.40
Grading 2	Rubber Tired Loaders	1	8.00	350	0.36
Grading 2	Scrapers	3	8.00	452	0.48
Grading 2	Tractors/Loaders/Backhoes	0	8.00	110	0.37
Grading 2	Welders	0	8.00	46	0.45
Trenching 1	Excavators	2	8.00	268	0.38
Trenching 1	Other Construction Equipment	2	8.00	354	0.42
Trenching 1	Other Material Handling Equipment	2	8.00	249	0.40
Trenching 1	Rubber Tired Loaders	2	8.00	350	0.36
Trenching 1	Tractors/Loaders/Backhoes	2	8.00	110	0.37
Concrete Shell 1	Cranes	0	7.00	226	0.29
Concrete Shell 1	Excavators	0	8.00	268	0.38
Concrete Shell 1	Forklifts	0	8.00	89	0.20

Concrete Shell 1	Generator Sets	0	8.00	84	0.74
Concrete Shell 1	Other Construction Equipment	5	8.00	354	0.42
Concrete Shell 1	Other Material Handling Equipment	0	8.00	249	0.43
Concrete Shell 1	Pavers	0	8.00	125	0.42
Concrete Shell 1	Paving Equipment	0	8.00	49	0.36
Concrete Shell 1	Rollers	0	8.00	80	0.38
Concrete Shell 1	Rubber Tired Loaders	0	8.00	350	0.36
Concrete Shell 1	Surfacing Equipment	0	8.00	350	0.30
Concrete Shell 1	Tractors/Loaders/Backhoes	4	8.00	110	0.37
Concrete Shell 1	Welders	0	8.00	46	0.45
Trenching 2	Excavators	1	8.00	268	0.38
Trenching 2	Other Construction Equipment	1	8.00	354	0.42
Trenching 2	Other Material Handling Equipment	1	8.00	249	0.43
Trenching 2	Rubber Tired Loaders	1	8.00	350	0.36
Trenching 2	Tractors/Loaders/Backhoes	1	8.00	110	0.37
Concrete Shell 2	Air Compressors	0	6.00	78	0.48
Concrete Shell 2	Cranes	0	7.00	226	0.29
Concrete Shell 2	Forklifts	0	8.00	89	0.20
Concrete Shell 2	Generator Sets	0	8.00	84	0.74
Concrete Shell 2	Other Construction Equipment	4	8.00	354	0.42
Concrete Shell 2	Tractors/Loaders/Backhoes	2	8.00	110	0.37
Concrete Shell 2	Welders	0	8.00	46	0.45
Grading 3	Air Compressors	0	6.00	78	0.48
Grading 3	Cranes	0	8.00	215	0.29
Grading 3	Crawler Tractors	1	8.00	410	0.43
Grading 3	Excavators	0	8.00	162	0.38
Grading 3	Forklifts	0	8.00	89	0.20
Grading 3	Generator Sets	0	8.00	84	0.74

Grading 3	Graders	1	8.00	302	0.41
Grading 3	Off-Highway Tractors	0	8.00	485	0.44
Grading 3	Other Construction Equipment	1	8.00	354	0.42
Grading 3	Other General Industrial Equipment	1	8.00	330	0.34
Grading 3	Rubber Tired Dozers	0	8.00	255	0.40
Grading 3	Rubber Tired Loaders	1	8.00	350	0.36
Grading 3	Scrapers	3	8.00	452	0.48
Grading 3	Surfacing Equipment	0	8.00	350	0.30
Grading 3	Tractors/Loaders/Backhoes	0	8.00	97	0.37
Grading 3	Welders	0	8.00	46	0.45
Trenching 3	Excavators	1	8.00	268	0.38
Trenching 3	Other Construction Equipment	1	8.00	354	0.42
Trenching 3	Other Material Handling Equipment	1	8.00	249	0.43
Trenching 3	Rubber Tired Loaders	1	8.00	350	0.36
Trenching 3	Tractors/Loaders/Backhoes	1	8.00	110	0.37
Grading 4	Aerial Lifts	0	8.00	48	0.31
Grading 4	Cranes	0	8.00	215	0.29
Grading 4	Crawler Tractors	1	8.00	410	0.43
Grading 4	Excavators	0	8.00	162	0.38
Grading 4	Forklifts	0	8.00	110	0.20
Grading 4	Generator Sets	0	8.00	84	0.74
Grading 4	Graders	1	8.00	302	0.41
Grading 4	Other Construction Equipment	1	8.00	354	0.42
Grading 4	Other General Industrial Equipment	1	8.00	330	0.34
Grading 4	Rubber Tired Dozers	0	8.00	255	0.40
Grading 4	Rubber Tired Loaders	1	8.00	350	0.36
Grading 4	Scrapers	3	8.00	452	0.48
Grading 4	Tractors/Loaders/Backhoes	0	8.00	110	0.37

Grading 4	Welders	0	8.00	46	0.45
Concrete Shell 3	Cranes	0	7.00	226	0.29
Concrete Shell 3	Forklifts	0	8.00	89	0.20
Concrete Shell 3	Generator Sets	0	8.00	84	0.74
Concrete Shell 3	Other Construction Equipment	4	8.00	354	0.42
Concrete Shell 3	Tractors/Loaders/Backhoes	2	8.00	110	0.37
Concrete Shell 3	Welders	0	8.00	46	0.45
Trenching 4	Excavators	1	8.00	268	0.38
Trenching 4	Other Construction Equipment	1	8.00	354	0.42
Trenching 4	Other Material Handling Equipment	1	8.00	249	0.40
Trenching 4	Rubber Tired Loaders	1	8.00	350	0.36
Trenching 4	Tractors/Loaders/Backhoes	1	8.00	110	0.37
Concrete Shell 4	Air Compressors	0	6.00	78	0.48
Concrete Shell 4	Cranes	0	7.00	226	0.29
Concrete Shell 4	Excavators	0	8.00	268	0.38
Concrete Shell 4	Forklifts	0	8.00	89	0.20
Concrete Shell 4	Generator Sets	0	8.00	84	0.74
Concrete Shell 4	Other Construction Equipment	4	8.00	354	0.42
Concrete Shell 4	Other Material Handling Equipment	0	8.00	249	0.40
Concrete Shell 4	Rubber Tired Loaders	0	8.00	350	0.36
Concrete Shell 4	Tractors/Loaders/Backhoes	2	8.00	110	0.37
Concrete Shell 4	Welders	0	8.00	46	0.45
Steel & Roof 1	Aerial Lifts	0	8.00	48	0.31
Steel & Roof 1	Air Compressors	0	6.00	78	0.48
Steel & Roof 1	Cranes	2	8.00	215	0.29
Steel & Roof 1	Forklifts	0	8.00	89	0.20
Steel & Roof 1	Forklifts	0	8.00	89	0.20
Steel & Roof 1	Generator Sets	0	8.00	84	0.74

Steel & Roof 1	Other Construction Equipment	3	8.00	354	0.42
Steel & Roof 1	Pavers	0	8.00	125	0.42
Steel & Roof 1	Paving Equipment	0	8.00	130	0.36
Steel & Roof 1	Rollers	0	8.00	80	0.38
Steel & Roof 1	Rubber Tired Loaders	0	8.00	350	0.36
Steel & Roof 1	Tractors/Loaders/Backhoes	0	7.00	97	0.37
Steel & Roof 1	Trenchers	0	8.00	81	0.50
Steel & Roof 1	Welders	0	8.00	46	0.45
Steel & Roof 2	Aerial Lifts	0	8.00	48	0.31
Steel & Roof 2	Air Compressors	0	6.00	78	0.48
Steel & Roof 2	Cranes	1	8.00	215	0.29
Steel & Roof 2	Crawler Tractors	0	8.00	410	0.43
Steel & Roof 2	Excavators	0	8.00	162	0.38
Steel & Roof 2	Forklifts	0	8.00	89	0.20
Steel & Roof 2	Forklifts	0	8.00	89	0.20
Steel & Roof 2	Generator Sets	0	8.00	84	0.74
Steel & Roof 2	Graders	0	8.00	302	0.41
Steel & Roof 2	Off-Highway Tractors	0	8.00	485	0.44
Steel & Roof 2	Other Construction Equipment	2	8.00	354	0.42
Steel & Roof 2	Rubber Tired Dozers	0	8.00	255	0.40
Steel & Roof 2	Scrapers	0	8.00	452	0.48
Steel & Roof 2	Surfacing Equipment	0	8.00	350	0.30
Steel & Roof 2	Tractors/Loaders/Backhoes	0	7.00	97	0.37
Steel & Roof 2	Welders	0	8.00	46	0.45
Steel & Roof 3	Aerial Lifts	0	8.00	48	0.31
Steel & Roof 3	Cranes	1	8.00	215	0.29
Steel & Roof 3	Forklifts	0	8.00	110	0.20
Steel & Roof 3	Generator Sets	0	8.00	84	0.74

Steel & Roof 3	Other Construction Equipment	2	8.00	354	0.42
Steel & Roof 3	Tractors/Loaders/Backhoes	0	8.00	110	0.37
Steel & Roof 3	Welders	0	8.00	46	0.45
Roofing & Overhead Work 2	Aerial Lifts	1	8.00	48	0.31
Roofing & Overhead Work 2	Air Compressors	0	6.00	78	0.48
Roofing & Overhead Work 2	Cranes	0	8.00	215	0.29
Roofing & Overhead Work 2	Crawler Tractors	0	8.00	249	0.43
Roofing & Overhead Work 2	Excavators	0	8.00	268	0.38
Roofing & Overhead Work 2	Forklifts	1	8.00	110	0.20
Roofing & Overhead Work 2	Generator Sets	0	8.00	84	0.74
Roofing & Overhead Work 2	Graders	0	8.00	302	0.41
Roofing & Overhead Work 2	Graders	0	8.00	302	0.41
Roofing & Overhead Work 2	Off-Highway Tractors	0	8.00	451	0.44
Roofing & Overhead Work 2	Other Construction Equipment	2	8.00	354	0.42
Roofing & Overhead Work 2	Other General Industrial Equipment	0	8.00	330	0.34
Roofing & Overhead Work 2	Pavers	0	8.00	125	0.42
Roofing & Overhead Work 2	Paving Equipment	0	8.00	130	0.36
Roofing & Overhead Work 2	Rollers	0	8.00	80	0.38
Roofing & Overhead Work 2	Rubber Tired Dozers	0	8.00	255	0.40
Roofing & Overhead Work 2	Rubber Tired Loaders	0	8.00	350	0.36
Roofing & Overhead Work 2	Scrapers	0	8.00	330	0.48
Roofing & Overhead Work 2	Tractors/Loaders/Backhoes	0	8.00	110	0.37
Roofing & Overhead Work 2	Welders	0	8.00	46	0.45
Roofing & Overhead Work 1	Aerial Lifts	3	8.00	48	0.31
Roofing & Overhead Work 1	Air Compressors	0	6.00	78	0.48
Roofing & Overhead Work 1	Cranes	0	8.00	215	0.29
Roofing & Overhead Work 1	Excavators	0	8.00	268	0.38
Roofing & Overhead Work 1	Forklifts	2	8.00	110	0.20

Roofing & Overhead Work 1	Generator Sets	0	8.00	84	0.74
Roofing & Overhead Work 1	Other Construction Equipment	3	8.00	354	0.42
Roofing & Overhead Work 1	Other Material Handling Equipment	0	8.00	249	0.43
Roofing & Overhead Work 1	Rubber Tired Loaders	0	8.00	350	0.36
Roofing & Overhead Work 1	Tractors/Loaders/Backhoes	0	8.00	110	0.37
Roofing & Overhead Work 1	Welders	0	8.00	46	0.45
Paving 2	Aerial Lifts	0	8.00	48	0.31
Paving 2	Cranes	0	7.00	226	0.29
Paving 2	Crawler Tractors	0	8.00	249	0.43
Paving 2	Excavators	0	8.00	268	0.38
Paving 2	Forklifts	0	8.00	110	0.20
Paving 2	Generator Sets	0	8.00	84	0.74
Paving 2	Graders	0	8.00	174	0.41
Paving 2	Other Construction Equipment	1	8.00	354	0.42
Paving 2	Pavers	0	8.00	125	0.42
Paving 2	Paving Equipment	0	8.00	130	0.36
Paving 2	Rollers	0	8.00	80	0.38
Paving 2	Rubber Tired Dozers	0	8.00	255	0.40
Paving 2	Rubber Tired Loaders	1	8.00	350	0.36
Paving 2	Scrapers	0	8.00	361	0.48
Paving 2	Surfacing Equipment	0	8.00	350	0.30
Paving 2	Tractors/Loaders/Backhoes	0	8.00	110	0.37
Paving 2	Trenchers	1	8.00	81	0.50
Paving 2	Welders	0	8.00	46	0.45
Architectural Coating 2	Air Compressors	0	6.00	78	0.48
Architectural Coating 2	Other Construction Equipment	1	8.00	354	0.42
Misc. Finishes 2	Aerial Lifts	1	8.00	48	0.31
Misc. Finishes 2	Cranes	0	7.00	226	0.29

Misc. Finishes 2	Forklifts	0	8.00	89	0.20
Misc. Finishes 2	Generator Sets	0	8.00	84	0.74
Misc. Finishes 2	Other Construction Equipment	1	8.00	354	0.42
Misc. Finishes 2	Tractors/Loaders/Backhoes	0	7.00	97	0.37
Misc. Finishes 2	Welders	0	8.00	46	0.45
Roofing & Overhead Work 3	Aerial Lifts	1	8.00	48	0.31
Roofing & Overhead Work 3	Air Compressors	0	6.00	78	0.48
Roofing & Overhead Work 3	Cranes	0	7.00	226	0.29
Roofing & Overhead Work 3	Crawler Tractors	0	8.00	249	0.43
Roofing & Overhead Work 3	Excavators	0	8.00	268	0.38
Roofing & Overhead Work 3	Forklifts	1	8.00	110	0.20
Roofing & Overhead Work 3	Generator Sets	0	8.00	84	0.74
Roofing & Overhead Work 3	Other Construction Equipment	2	8.00	354	0.42
Roofing & Overhead Work 3	Rubber Tired Dozers	0	8.00	255	0.40
Roofing & Overhead Work 3	Surfacing Equipment	0	8.00	350	0.30
Roofing & Overhead Work 3	Tractors/Loaders/Backhoes	0	8.00	110	0.37
Roofing & Overhead Work 3	Welders	0	8.00	46	0.45
Steel & Roof 4	Cranes	1	8.00	215	0.29
Steel & Roof 4	Forklifts	0	8.00	89	0.20
Steel & Roof 4	Generator Sets	0	8.00	84	0.74
Steel & Roof 4	Other Construction Equipment	2	8.00	354	0.42
Steel & Roof 4	Tractors/Loaders/Backhoes	0	7.00	97	0.37
Steel & Roof 4	Welders	0	8.00	46	0.45
Paving 3	Other Construction Equipment	1	8.00	354	0.42
Paving 3	Pavers	0	8.00	125	0.42
Paving 3	Paving Equipment	0	8.00	130	0.36
Paving 3	Rollers	0	8.00	80	0.38
Paving 3	Rubber Tired Loaders	1	8.00	350	0.36

Paving 3	Trenchers	1	8.00	81	0.50
Architectural Coating 1	Air Compressors	0	6.00	78	0.48
Architectural Coating 1	Other Construction Equipment	4	8.00	354	0.42
Misc. Finishes 3	Aerial Lifts	1	8.00	48	0.31
Misc. Finishes 3	Cranes	0	7.00	226	0.29
Misc. Finishes 3	Forklifts	0	8.00	89	0.20
Misc. Finishes 3	Generator Sets	0	8.00	84	0.74
Misc. Finishes 3	Other Construction Equipment	1	8.00	354	0.42
Misc. Finishes 3	Tractors/Loaders/Backhoes	0	7.00	97	0.37
Misc. Finishes 3	Welders	0	8.00	46	0.45
Architectural Coating 3	Air Compressors	0	6.00	78	0.48
Architectural Coating 3	Other Construction Equipment	1	8.00	354	0.42
Paving 1	Other Construction Equipment	1	8.00	354	0.42
Paving 1	Pavers	0	8.00	125	0.42
Paving 1	Paving Equipment	0	8.00	130	0.36
Paving 1	Rollers	0	8.00	80	0.38
Paving 1	Rubber Tired Loaders	2	8.00	350	0.36
Paving 1	Trenchers	1	8.00	81	0.50
Roofing & Overhead Work 4	Aerial Lifts	1	8.00	48	0.31
Roofing & Overhead Work 4	Air Compressors	0	6.00	78	0.48
Roofing & Overhead Work 4	Concrete/Industrial Saws	0	8.00	81	0.73
Roofing & Overhead Work 4	Cranes	0	7.00	226	0.29
Roofing & Overhead Work 4	Crawler Tractors	0	8.00	410	0.43
Roofing & Overhead Work 4	Crawler Tractors	0	8.00	249	0.43
Roofing & Overhead Work 4	Excavators	0	8.00	162	0.38
Roofing & Overhead Work 4	Excavators	0	8.00	268	0.38
Roofing & Overhead Work 4	Forklifts	1	8.00	110	0.20
Roofing & Overhead Work 4	Generator Sets	0	8.00	84	0.74

Roofing & Overhead Work 4	Graders	0	8.00	302	0.41
Roofing & Overhead Work 4	Off-Highway Tractors	0	8.00	451	0.44
Roofing & Overhead Work 4	Off-Highway Tractors	0	8.00	485	0.44
Roofing & Overhead Work 4	Other Construction Equipment	2	8.00	354	0.42
Roofing & Overhead Work 4	Other General Industrial Equipment	0	8.00	330	0.37
Roofing & Overhead Work 4	Pavers	0	8.00	125	0.42
Roofing & Overhead Work 4	Paving Equipment	0	8.00	130	0.36
Roofing & Overhead Work 4	Rollers	0	8.00	80	0.38
Roofing & Overhead Work 4	Rubber Tired Dozers	0	8.00	451	0.40
Roofing & Overhead Work 4	Rubber Tired Loaders	0	8.00	350	0.37
Roofing & Overhead Work 4	Scrapers	0	8.00	452	0.48
Roofing & Overhead Work 4	Surfacing Equipment	0	8.00	350	0.30
Roofing & Overhead Work 4	Tractors/Loaders/Backhoes	0	8.00	97	0.37
Roofing & Overhead Work 4	Tractors/Loaders/Backhoes	0	8.00	110	0.37
Roofing & Overhead Work 4	Tractors/Loaders/Backhoes	0	7.00	97	0.37
Roofing & Overhead Work 4	Welders	0	8.00	46	0.45
Architectural Coating 4	Air Compressors	0	6.00	78	0.48
Architectural Coating 4	Other Construction Equipment	1	8.00	354	0.42
Paving 4	Other Construction Equipment	1	8.00	354	0.42
Paving 4	Pavers	0	8.00	125	0.42
Paving 4	Paving Equipment	0	8.00	130	0.36
Paving 4	Rollers	0	8.00	80	0.38
Paving 4	Rubber Tired Loaders	1	8.00	350	0.36
Paving 4	Trenchers	1	8.00	81	0.50
Misc. Finishes 4	Aerial Lifts	1	8.00	48	0.31
Misc. Finishes 4	Cranes	0	7.00	226	0.29
Misc. Finishes 4	Forklifts	0	8.00	89	0.20
Misc. Finishes 4	Generator Sets	0	8.00	84	0.74

Misc. Finishes 4	Other Construction Equipment	1	8.00	354	0.42
Misc. Finishes 4	Tractors/Loaders/Backhoes	0	7.00	97	0.37
Misc. Finishes 4	Welders	0	8.00	46	0.45
Misc. Finishes 1	Aerial Lifts	2	8.00	48	0.31
Misc. Finishes 1	Cranes	0	7.00	226	0.29
Misc. Finishes 1	Forklifts	0	8.00	89	0.20
Misc. Finishes 1	Generator Sets	0	8.00	84	0.74
Misc. Finishes 1	Other Construction Equipment	2	8.00	354	0.42
Misc. Finishes 1	Tractors/Loaders/Backhoes	0	7.00	97	0.37
Misc. Finishes 1	Welders	0	8.00	46	0.45

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
Grading 1	19	48.00	0.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Grading 2	8	20.00	0.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Trenching 1	10	25.00	0.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Concrete Shell 1	9	125.00	416.00	10,384.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Trenching 2	5	13.00	0.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Concrete Shell 2	6	40.00	416.00	1,374.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Grading 3	8	20.00	0.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Trenching 3	5	13.00	0.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Grading 4	8	20.00	0.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Concrete Shell 3	6	40.00	416.00	1,078.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Trenching 4	5	13.00	0.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Concrete Shell 4	6	40.00	416.00	1,758.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Steel & Roof 1	5	125.00	416.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Steel & Roof 2	3	40.00	416.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT

Steel & Roof 3	3	40.00	416.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Roofing & Overhead Work 2	4	40.00	416.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Roofing & Overhead Work 1	8	125.00	416.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Paving 2	3	8.00	0.00	728.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Architectural Coating 2	1	213.00	0.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Misc. Finishes 2	2	40.00	416.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Roofing & Overhead Work 3	4	40.00	416.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Steel & Roof 4	3	40.00	416.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Paving 3	3	8.00	0.00	778.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Architectural Coating 1	4	213.00	0.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Misc. Finishes 3	2	40.00	416.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Architectural Coating 3	1	213.00	0.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Paving 1	4	10.00	0.00	4,152.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Roofing & Overhead Work 4	4	40.00	416.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Architectural Coating 4	1	213.00	0.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Paving 4	3	8.00	0.00	838.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Misc. Finishes 4	2	40.00	416.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Misc. Finishes 1	4	125.00	416.00	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

3.2 Grading 1 - 2016**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					15.5666	0.0000	15.5666	4.3408	0.0000	4.3408			0.0000			0.0000
Off-Road	22.7740	284.8071	173.9787	0.2600		11.4365	11.4365		10.5216	10.5216		27,015.1809	27,015.1809	8.1487		27,186.3044
Total	22.7740	284.8071	173.9787	0.2600	15.5666	11.4365	27.0031	4.3408	10.5216	14.8624		27,015.1809	27,015.1809	8.1487		27,186.3044

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	0.1755	0.2314	2.3455	5.8800e-003	0.5365	3.3500e-003	0.5399	0.1423	3.0800e-003	0.1454		486.7137	486.7137	0.0230		487.1961
Total	0.1755	0.2314	2.3455	5.8800e-003	0.5365	3.3500e-003	0.5399	0.1423	3.0800e-003	0.1454		486.7137	486.7137	0.0230		487.1961

3.2 Grading 1 - 2016**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					6.0710	0.0000	6.0710	1.6929	0.0000	1.6929			0.0000			0.0000
Off-Road	5.9025	61.8452	133.4419	0.2600		2.4855	2.4855		2.3942	2.3942	0.0000	27,015.1809	27,015.1809	8.1487		27,186.3044
Total	5.9025	61.8452	133.4419	0.2600	6.0710	2.4855	8.5565	1.6929	2.3942	4.0871	0.0000	27,015.1809	27,015.1809	8.1487		27,186.3044

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	0.1755	0.2314	2.3455	5.8800e-003	0.5365	3.3500e-003	0.5399	0.1423	3.0800e-003	0.1454		486.7137	486.7137	0.0230		487.1961
Total	0.1755	0.2314	2.3455	5.8800e-003	0.5365	3.3500e-003	0.5399	0.1423	3.0800e-003	0.1454		486.7137	486.7137	0.0230		487.1961

3.3 Grading 2 - 2016**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					4.2420	0.0000	4.2420	0.4580	0.0000	0.4580			0.0000			0.0000
Off-Road	9.5729	120.5012	69.6816	0.1160		4.7379	4.7379		4.3589	4.3589		12,046.3077	12,046.3077	3.6336		12,122.6131
Total	9.5729	120.5012	69.6816	0.1160	4.2420	4.7379	8.9799	0.4580	4.3589	4.8169		12,046.3077	12,046.3077	3.6336		12,122.6131

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	0.0731	0.0964	0.9773	2.4500e-003	0.2236	1.4000e-003	0.2250	0.0593	1.2800e-003	0.0606		202.7974	202.7974	9.5700e-003		202.9984
Total	0.0731	0.0964	0.9773	2.4500e-003	0.2236	1.4000e-003	0.2250	0.0593	1.2800e-003	0.0606		202.7974	202.7974	9.5700e-003		202.9984

3.3 Grading 2 - 2016**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					1.6544	0.0000	1.6544	0.1786	0.0000	0.1786			0.0000			0.0000
Off-Road	1.8754	21.5998	55.2898	0.1160		0.7890	0.7890		0.7890	0.7890	0.0000	12,046.3077	12,046.3077	3.6336		12,122.6131
Total	1.8754	21.5998	55.2898	0.1160	1.6544	0.7890	2.4434	0.1786	0.7890	0.9676	0.0000	12,046.3077	12,046.3077	3.6336		12,122.6131

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	0.0731	0.0964	0.9773	2.4500e-003	0.2236	1.4000e-003	0.2250	0.0593	1.2800e-003	0.0606		202.7974	202.7974	9.5700e-003		202.9984
Total	0.0731	0.0964	0.9773	2.4500e-003	0.2236	1.4000e-003	0.2250	0.0593	1.2800e-003	0.0606		202.7974	202.7974	9.5700e-003		202.9984

3.4 Trenching 1 - 2016**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	6.2895	77.7646	37.2357	0.0888		3.1203	3.1203		2.8707	2.8707		9,219.1057	9,219.1057	2.7808		9,277.5027
Total	6.2895	77.7646	37.2357	0.0888		3.1203	3.1203		2.8707	2.8707		9,219.1057	9,219.1057	2.7808		9,277.5027

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	0.0914	0.1205	1.2216	3.0600e-003	0.2794	1.7500e-003	0.2812	0.0741	1.6100e-003	0.0757		253.4967	253.4967	0.0120		253.7480
Total	0.0914	0.1205	1.2216	3.0600e-003	0.2794	1.7500e-003	0.2812	0.0741	1.6100e-003	0.0757		253.4967	253.4967	0.0120		253.7480

3.4 Trenching 1 - 2016**Mitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	1.6622	24.8561	45.4748	0.0888		1.0530	1.0530		1.0530	1.0530	0.0000	9,219.1057	9,219.1057	2.7808		9,277.5027
Total	1.6622	24.8561	45.4748	0.0888		1.0530	1.0530		1.0530	1.0530	0.0000	9,219.1057	9,219.1057	2.7808		9,277.5027

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	0.0914	0.1205	1.2216	3.0600e-003	0.2794	1.7500e-003	0.2812	0.0741	1.6100e-003	0.0757		253.4967	253.4967	0.0120		253.7480
Total	0.0914	0.1205	1.2216	3.0600e-003	0.2794	1.7500e-003	0.2812	0.0741	1.6100e-003	0.0757		253.4967	253.4967	0.0120		253.7480

3.5 Concrete Shell 1 - 2016**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	5.5772	68.3870	40.9017	0.0785		3.1121	3.1121		2.8631	2.8631		8,151.1535	8,151.1535	2.4587		8,202.7857
Total	5.5772	68.3870	40.9017	0.0785		3.1121	3.1121		2.8631	2.8631		8,151.1535	8,151.1535	2.4587		8,202.7857

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	1.9736	34.8345	23.5634	0.0900	2.2090	0.6154	2.8244	0.6051	0.5661	1.1711		9,071.5785	9,071.5785	0.0584		9,072.8037
Vendor	3.4481	35.7856	41.5632	0.0869	2.6173	0.6836	3.3009	0.7476	0.6287	1.3763		8,713.1896	8,713.1896	0.0591		8,714.4311
Worker	0.4569	0.6025	6.1081	0.0153	1.3972	8.7300e-003	1.4059	0.3706	8.0300e-003	0.3786		1,267.4836	1,267.4836	0.0598		1,268.7399
Total	5.8786	71.2225	71.2347	0.1921	6.2235	1.3078	7.5313	1.7232	1.2028	2.9260		19,052.2517	19,052.2517	0.1773		19,055.9747

3.5 Concrete Shell 1 - 2016**Mitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	1.1312	11.2763	39.4687	0.0785		0.6562	0.6562		0.6562	0.6562	0.0000	8,151.1535	8,151.1535	2.4587		8,202.7857
Total	1.1312	11.2763	39.4687	0.0785		0.6562	0.6562		0.6562	0.6562	0.0000	8,151.1535	8,151.1535	2.4587		8,202.7857

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	1.9736	34.8345	23.5634	0.0900	2.2090	0.6154	2.8244	0.6051	0.5661	1.1711		9,071.5785	9,071.5785	0.0584		9,072.8037
Vendor	3.4481	35.7856	41.5632	0.0869	2.6173	0.6836	3.3009	0.7476	0.6287	1.3763		8,713.1896	8,713.1896	0.0591		8,714.4311
Worker	0.4569	0.6025	6.1081	0.0153	1.3972	8.7300e-003	1.4059	0.3706	8.0300e-003	0.3786		1,267.4836	1,267.4836	0.0598		1,268.7399
Total	5.8786	71.2225	71.2347	0.1921	6.2235	1.3078	7.5313	1.7232	1.2028	2.9260		19,052.2517	19,052.2517	0.1773		19,055.9747

3.6 Trenching 2 - 2016**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	3.1973	39.5669	18.8343	0.0450		1.5850	1.5850		1.4582	1.4582		4,676.1560	4,676.1560	1.4105		4,705.7764
Total	3.1973	39.5669	18.8343	0.0450		1.5850	1.5850		1.4582	1.4582		4,676.1560	4,676.1560	1.4105		4,705.7764

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	0.0475	0.0627	0.6352	1.5900e-003	0.1453	9.1000e-004	0.1462	0.0385	8.4000e-004	0.0394		131.8183	131.8183	6.2200e-003		131.9490
Total	0.0475	0.0627	0.6352	1.5900e-003	0.1453	9.1000e-004	0.1462	0.0385	8.4000e-004	0.0394		131.8183	131.8183	6.2200e-003		131.9490

3.6 Trenching 2 - 2016**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	0.8390	12.4623	23.0273	0.0450		0.5275	0.5275		0.5275	0.5275	0.0000	4,676.1560	4,676.1560	1.4105		4,705.7764
Total	0.8390	12.4623	23.0273	0.0450		0.5275	0.5275		0.5275	0.5275	0.0000	4,676.1560	4,676.1560	1.4105		4,705.7764

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	0.0475	0.0627	0.6352	1.5900e-003	0.1453	9.1000e-004	0.1462	0.0385	8.4000e-004	0.0394		131.8183	131.8183	6.2200e-003		131.9490
Total	0.0475	0.0627	0.6352	1.5900e-003	0.1453	9.1000e-004	0.1462	0.0385	8.4000e-004	0.0394		131.8183	131.8183	6.2200e-003		131.9490

3.7 Concrete Shell 2 - 2016**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	3.9983	50.2800	29.4382	0.0586		2.1486	2.1486		1.9767	1.9767		6,080.4547	6,080.4547	1.8341		6,118.9704
Total	3.9983	50.2800	29.4382	0.0586		2.1486	2.1486		1.9767	1.9767		6,080.4547	6,080.4547	1.8341		6,118.9704

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	0.4283	7.5592	5.1133	0.0195	0.4794	0.1336	0.6129	0.1313	0.1228	0.2541		1,968.5605	1,968.5605	0.0127		1,968.8264
Vendor	3.4481	35.7856	41.5632	0.0869	2.6173	0.6836	3.3009	0.7476	0.6287	1.3763		8,713.1896	8,713.1896	0.0591		8,714.4311
Worker	0.1462	0.1928	1.9546	4.9000e-003	0.4471	2.8000e-003	0.4499	0.1186	2.5700e-003	0.1211		405.5948	405.5948	0.0191		405.9968
Total	4.0226	43.5375	48.6311	0.1113	3.5437	0.8200	4.3637	0.9975	0.7541	1.7515		11,087.3449	11,087.3449	0.0909		11,089.2542

3.7 Concrete Shell 2 - 2016**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	0.8016	6.6608	28.3879	0.0586		0.3596	0.3596		0.3596	0.3596	0.0000	6,080.4547	6,080.4547	1.8341		6,118.9704
Total	0.8016	6.6608	28.3879	0.0586		0.3596	0.3596		0.3596	0.3596	0.0000	6,080.4547	6,080.4547	1.8341		6,118.9704

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	0.4283	7.5592	5.1133	0.0195	0.4794	0.1336	0.6129	0.1313	0.1228	0.2541		1,968.5605	1,968.5605	0.0127		1,968.8264
Vendor	3.4481	35.7856	41.5632	0.0869	2.6173	0.6836	3.3009	0.7476	0.6287	1.3763		8,713.1896	8,713.1896	0.0591		8,714.4311
Worker	0.1462	0.1928	1.9546	4.9000e-003	0.4471	2.8000e-003	0.4499	0.1186	2.5700e-003	0.1211		405.5948	405.5948	0.0191		405.9968
Total	4.0226	43.5375	48.6311	0.1113	3.5437	0.8200	4.3637	0.9975	0.7541	1.7515		11,087.3449	11,087.3449	0.0909		11,089.2542

3.8 Grading 3 - 2016**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					4.2420	0.0000	4.2420	0.4580	0.0000	0.4580			0.0000			0.0000
Off-Road	9.5131	119.7766	69.2684	0.1151		4.7102	4.7102		4.3334	4.3334		11,957.7675	11,957.7675	3.6069		12,033.5122
Total	9.5131	119.7766	69.2684	0.1151	4.2420	4.7102	8.9522	0.4580	4.3334	4.7914		11,957.7675	11,957.7675	3.6069		12,033.5122

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	0.0731	0.0964	0.9773	2.4500e-003	0.2236	1.4000e-003	0.2250	0.0593	1.2800e-003	0.0606		202.7974	202.7974	9.5700e-003		202.9984
Total	0.0731	0.0964	0.9773	2.4500e-003	0.2236	1.4000e-003	0.2250	0.0593	1.2800e-003	0.0606		202.7974	202.7974	9.5700e-003		202.9984

3.8 Grading 3 - 2016**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					1.6544	0.0000	1.6544	0.1786	0.0000	0.1786			0.0000			0.0000
Off-Road	1.8544	21.1947	54.8358	0.1151		0.7736	0.7736		0.7736	0.7736	0.0000	11,957.7675	11,957.7675	3.6069		12,033.5122
Total	1.8544	21.1947	54.8358	0.1151	1.6544	0.7736	2.4280	0.1786	0.7736	0.9522	0.0000	11,957.7675	11,957.7675	3.6069		12,033.5122

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	0.0731	0.0964	0.9773	2.4500e-003	0.2236	1.4000e-003	0.2250	0.0593	1.2800e-003	0.0606		202.7974	202.7974	9.5700e-003		202.9984
Total	0.0731	0.0964	0.9773	2.4500e-003	0.2236	1.4000e-003	0.2250	0.0593	1.2800e-003	0.0606		202.7974	202.7974	9.5700e-003		202.9984

3.9 Trenching 3 - 2016**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	3.1973	39.5669	18.8343	0.0450		1.5850	1.5850		1.4582	1.4582		4,676.1560	4,676.1560	1.4105		4,705.7764
Total	3.1973	39.5669	18.8343	0.0450		1.5850	1.5850		1.4582	1.4582		4,676.1560	4,676.1560	1.4105		4,705.7764

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	0.0475	0.0627	0.6352	1.5900e-003	0.1453	9.1000e-004	0.1462	0.0385	8.4000e-004	0.0394		131.8183	131.8183	6.2200e-003		131.9490
Total	0.0475	0.0627	0.6352	1.5900e-003	0.1453	9.1000e-004	0.1462	0.0385	8.4000e-004	0.0394		131.8183	131.8183	6.2200e-003		131.9490

3.9 Trenching 3 - 2016**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	0.8390	12.4623	23.0273	0.0450		0.5275	0.5275		0.5275	0.5275	0.0000	4,676.1560	4,676.1560	1.4105		4,705.7764
Total	0.8390	12.4623	23.0273	0.0450		0.5275	0.5275		0.5275	0.5275	0.0000	4,676.1560	4,676.1560	1.4105		4,705.7764

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	0.0475	0.0627	0.6352	1.5900e-003	0.1453	9.1000e-004	0.1462	0.0385	8.4000e-004	0.0394		131.8183	131.8183	6.2200e-003		131.9490
Total	0.0475	0.0627	0.6352	1.5900e-003	0.1453	9.1000e-004	0.1462	0.0385	8.4000e-004	0.0394		131.8183	131.8183	6.2200e-003		131.9490

3.10 Grading 4 - 2016**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					4.2420	0.0000	4.2420	0.4580	0.0000	0.4580			0.0000			0.0000
Off-Road	9.5131	119.7766	69.2684	0.1151		4.7102	4.7102		4.3334	4.3334		11,957.7675	11,957.7675	3.6069		12,033.5122
Total	9.5131	119.7766	69.2684	0.1151	4.2420	4.7102	8.9522	0.4580	4.3334	4.7914		11,957.7675	11,957.7675	3.6069		12,033.5122

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	0.0731	0.0964	0.9773	2.4500e-003	0.2236	1.4000e-003	0.2250	0.0593	1.2800e-003	0.0606		202.7974	202.7974	9.5700e-003		202.9984
Total	0.0731	0.0964	0.9773	2.4500e-003	0.2236	1.4000e-003	0.2250	0.0593	1.2800e-003	0.0606		202.7974	202.7974	9.5700e-003		202.9984

3.10 Grading 4 - 2016**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					1.6544	0.0000	1.6544	0.1786	0.0000	0.1786			0.0000			0.0000
Off-Road	1.8544	21.1947	54.8358	0.1151		0.7736	0.7736		0.7736	0.7736	0.0000	11,957.7675	11,957.7675	3.6069		12,033.5122
Total	1.8544	21.1947	54.8358	0.1151	1.6544	0.7736	2.4280	0.1786	0.7736	0.9522	0.0000	11,957.7675	11,957.7675	3.6069		12,033.5122

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	0.0731	0.0964	0.9773	2.4500e-003	0.2236	1.4000e-003	0.2250	0.0593	1.2800e-003	0.0606		202.7974	202.7974	9.5700e-003		202.9984
Total	0.0731	0.0964	0.9773	2.4500e-003	0.2236	1.4000e-003	0.2250	0.0593	1.2800e-003	0.0606		202.7974	202.7974	9.5700e-003		202.9984

3.11 Concrete Shell 3 - 2016**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	3.9983	50.2800	29.4382	0.0586		2.1486	2.1486		1.9767	1.9767		6,080.4547	6,080.4547	1.8341		6,118.9704
Total	3.9983	50.2800	29.4382	0.0586		2.1486	2.1486		1.9767	1.9767		6,080.4547	6,080.4547	1.8341		6,118.9704

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	0.3575	6.3093	4.2678	0.0163	0.4001	0.1115	0.5116	0.1096	0.1025	0.2121		1,643.0582	1,643.0582	0.0106		1,643.2801
Vendor	3.4481	35.7856	41.5632	0.0869	2.6173	0.6836	3.3009	0.7476	0.6287	1.3763		8,713.1896	8,713.1896	0.0591		8,714.4311
Worker	0.1462	0.1928	1.9546	4.9000e-003	0.4471	2.8000e-003	0.4499	0.1186	2.5700e-003	0.1211		405.5948	405.5948	0.0191		405.9968
Total	3.9518	42.2876	47.7856	0.1081	3.4645	0.7979	4.2624	0.9758	0.7338	1.7095		10,761.8425	10,761.8425	0.0888		10,763.7079

3.11 Concrete Shell 3 - 2016**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	0.8016	6.6608	28.3879	0.0586		0.3596	0.3596		0.3596	0.3596	0.0000	6,080.4547	6,080.4547	1.8341		6,118.9704
Total	0.8016	6.6608	28.3879	0.0586		0.3596	0.3596		0.3596	0.3596	0.0000	6,080.4547	6,080.4547	1.8341		6,118.9704

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	0.3575	6.3093	4.2678	0.0163	0.4001	0.1115	0.5116	0.1096	0.1025	0.2121		1,643.0582	1,643.0582	0.0106		1,643.2801
Vendor	3.4481	35.7856	41.5632	0.0869	2.6173	0.6836	3.3009	0.7476	0.6287	1.3763		8,713.1896	8,713.1896	0.0591		8,714.4311
Worker	0.1462	0.1928	1.9546	4.9000e-003	0.4471	2.8000e-003	0.4499	0.1186	2.5700e-003	0.1211		405.5948	405.5948	0.0191		405.9968
Total	3.9518	42.2876	47.7856	0.1081	3.4645	0.7979	4.2624	0.9758	0.7338	1.7095		10,761.8425	10,761.8425	0.0888		10,763.7079

3.12 Trenching 4 - 2016**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	3.1448	38.8823	18.6179	0.0444		1.5602	1.5602		1.4353	1.4353		4,609.5529	4,609.5529	1.3904		4,638.7514
Total	3.1448	38.8823	18.6179	0.0444		1.5602	1.5602		1.4353	1.4353		4,609.5529	4,609.5529	1.3904		4,638.7514

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	0.0475	0.0627	0.6352	1.5900e-003	0.1453	9.1000e-004	0.1462	0.0385	8.4000e-004	0.0394		131.8183	131.8183	6.2200e-003		131.9490
Total	0.0475	0.0627	0.6352	1.5900e-003	0.1453	9.1000e-004	0.1462	0.0385	8.4000e-004	0.0394		131.8183	131.8183	6.2200e-003		131.9490

3.12 Trenching 4 - 2016**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	0.8311	12.4281	22.7374	0.0444		0.5265	0.5265		0.5265	0.5265	0.0000	4,609.5529	4,609.5529	1.3904		4,638.7513
Total	0.8311	12.4281	22.7374	0.0444		0.5265	0.5265		0.5265	0.5265	0.0000	4,609.5529	4,609.5529	1.3904		4,638.7513

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	0.0475	0.0627	0.6352	1.5900e-003	0.1453	9.1000e-004	0.1462	0.0385	8.4000e-004	0.0394		131.8183	131.8183	6.2200e-003		131.9490
Total	0.0475	0.0627	0.6352	1.5900e-003	0.1453	9.1000e-004	0.1462	0.0385	8.4000e-004	0.0394		131.8183	131.8183	6.2200e-003		131.9490

3.13 Concrete Shell 4 - 2016**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	3.9983	50.2800	29.4382	0.0586		2.1486	2.1486		1.9767	1.9767		6,080.4547	6,080.4547	1.8341		6,118.9704
Total	3.9983	50.2800	29.4382	0.0586		2.1486	2.1486		1.9767	1.9767		6,080.4547	6,080.4547	1.8341		6,118.9704

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	0.5480	9.6718	6.5424	0.0250	0.6133	0.1709	0.7842	0.1680	0.1572	0.3252		2,518.7259	2,518.7259	0.0162		2,519.0661
Vendor	3.4481	35.7856	41.5632	0.0869	2.6173	0.6836	3.3009	0.7476	0.6287	1.3763		8,713.1896	8,713.1896	0.0591		8,714.4311
Worker	0.1462	0.1928	1.9546	4.9000e-003	0.4471	2.8000e-003	0.4499	0.1186	2.5700e-003	0.1211		405.5948	405.5948	0.0191		405.9968
Total	4.1423	45.6502	50.0601	0.1167	3.6777	0.8573	4.5350	1.0342	0.7884	1.8226		11,637.5102	11,637.5102	0.0945		11,639.4939

3.13 Concrete Shell 4 - 2016**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	0.8016	6.6608	28.3879	0.0586		0.3596	0.3596		0.3596	0.3596	0.0000	6,080.4547	6,080.4547	1.8341		6,118.9704
Total	0.8016	6.6608	28.3879	0.0586		0.3596	0.3596		0.3596	0.3596	0.0000	6,080.4547	6,080.4547	1.8341		6,118.9704

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	0.5480	9.6718	6.5424	0.0250	0.6133	0.1709	0.7842	0.1680	0.1572	0.3252		2,518.7259	2,518.7259	0.0162		2,519.0661
Vendor	3.4481	35.7856	41.5632	0.0869	2.6173	0.6836	3.3009	0.7476	0.6287	1.3763		8,713.1896	8,713.1896	0.0591		8,714.4311
Worker	0.1462	0.1928	1.9546	4.9000e-003	0.4471	2.8000e-003	0.4499	0.1186	2.5700e-003	0.1211		405.5948	405.5948	0.0191		405.9968
Total	4.1423	45.6502	50.0601	0.1167	3.6777	0.8573	4.5350	1.0342	0.7884	1.8226		11,637.5102	11,637.5102	0.0945		11,639.4939

3.14 Steel & Roof 1 - 2016**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	3.7894	48.4056	23.6538	0.0493		1.9217	1.9217		1.7680	1.7680		5,125.1584	5,125.1584	1.5459		5,157.6229
Total	3.7894	48.4056	23.6538	0.0493		1.9217	1.9217		1.7680	1.7680		5,125.1584	5,125.1584	1.5459		5,157.6229

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	3.4481	35.7856	41.5632	0.0869	2.6173	0.6836	3.3009	0.7476	0.6287	1.3763		8,713.1896	8,713.1896	0.0591		8,714.4311
Worker	0.4569	0.6025	6.1081	0.0153	1.3972	8.7300e-003	1.4059	0.3706	8.0300e-003	0.3786		1,267.4836	1,267.4836	0.0598		1,268.7399
Total	3.9050	36.3880	47.6713	0.1022	4.0145	0.6924	4.7069	1.1181	0.6367	1.7548		9,980.6733	9,980.6733	0.1189		9,983.1710

3.14 Steel & Roof 1 - 2016**Mitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	1.8420	18.2779	22.9861	0.0493		0.7995	0.7995		0.7406	0.7406	0.0000	5,125.1584	5,125.1584	1.5459		5,157.6229
Total	1.8420	18.2779	22.9861	0.0493		0.7995	0.7995		0.7406	0.7406	0.0000	5,125.1584	5,125.1584	1.5459		5,157.6229

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	3.4481	35.7856	41.5632	0.0869	2.6173	0.6836	3.3009	0.7476	0.6287	1.3763		8,713.1896	8,713.1896	0.0591		8,714.4311
Worker	0.4569	0.6025	6.1081	0.0153	1.3972	8.7300e-003	1.4059	0.3706	8.0300e-003	0.3786		1,267.4836	1,267.4836	0.0598		1,268.7399
Total	3.9050	36.3880	47.6713	0.1022	4.0145	0.6924	4.7069	1.1181	0.6367	1.7548		9,980.6733	9,980.6733	0.1189		9,983.1710

3.15 Steel & Roof 2 - 2016**Unmitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	2.2979	29.5650	14.8227	0.0311		1.1584	1.1584		1.0657	1.0657		3,230.8719	3,230.8719	0.9746		3,251.3373
Total	2.2979	29.5650	14.8227	0.0311		1.1584	1.1584		1.0657	1.0657		3,230.8719	3,230.8719	0.9746		3,251.3373

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	3.4481	35.7856	41.5632	0.0869	2.6173	0.6836	3.3009	0.7476	0.6287	1.3763		8,713.1896	8,713.1896	0.0591		8,714.4311
Worker	0.1462	0.1928	1.9546	4.9000e-003	0.4471	2.8000e-003	0.4499	0.1186	2.5700e-003	0.1211		405.5948	405.5948	0.0191		405.9968
Total	3.5943	35.9783	43.5177	0.0918	3.0644	0.6864	3.7508	0.8662	0.6312	1.4974		9,118.7844	9,118.7844	0.0783		9,120.4278

3.15 Steel & Roof 2 - 2016**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	0.9997	9.4799	14.3775	0.0311		0.4102	0.4102		0.3808	0.3808	0.0000	3,230.8719	3,230.8719	0.9746		3,251.3373
Total	0.9997	9.4799	14.3775	0.0311		0.4102	0.4102		0.3808	0.3808	0.0000	3,230.8719	3,230.8719	0.9746		3,251.3373

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	3.4481	35.7856	41.5632	0.0869	2.6173	0.6836	3.3009	0.7476	0.6287	1.3763		8,713.1896	8,713.1896	0.0591		8,714.4311
Worker	0.1462	0.1928	1.9546	4.9000e-003	0.4471	2.8000e-003	0.4499	0.1186	2.5700e-003	0.1211		405.5948	405.5948	0.0191		405.9968
Total	3.5943	35.9783	43.5177	0.0918	3.0644	0.6864	3.7508	0.8662	0.6312	1.4974		9,118.7844	9,118.7844	0.0783		9,120.4278

3.16 Steel & Roof 3 - 2016**Unmitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	2.2979	29.5650	14.8227	0.0311		1.1584	1.1584		1.0657	1.0657		3,230.8719	3,230.8719	0.9746		3,251.3373
Total	2.2979	29.5650	14.8227	0.0311		1.1584	1.1584		1.0657	1.0657		3,230.8719	3,230.8719	0.9746		3,251.3373

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	3.4481	35.7856	41.5632	0.0869	2.6173	0.6836	3.3009	0.7476	0.6287	1.3763		8,713.1896	8,713.1896	0.0591		8,714.4311
Worker	0.1462	0.1928	1.9546	4.9000e-003	0.4471	2.8000e-003	0.4499	0.1186	2.5700e-003	0.1211		405.5948	405.5948	0.0191		405.9968
Total	3.5943	35.9783	43.5177	0.0918	3.0644	0.6864	3.7508	0.8662	0.6312	1.4974		9,118.7844	9,118.7844	0.0783		9,120.4278

3.16 Steel & Roof 3 - 2016**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	0.9997	9.4799	14.3775	0.0311		0.4102	0.4102		0.3808	0.3808	0.0000	3,230.8719	3,230.8719	0.9746		3,251.3373
Total	0.9997	9.4799	14.3775	0.0311		0.4102	0.4102		0.3808	0.3808	0.0000	3,230.8719	3,230.8719	0.9746		3,251.3373

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	3.4481	35.7856	41.5632	0.0869	2.6173	0.6836	3.3009	0.7476	0.6287	1.3763		8,713.1896	8,713.1896	0.0591		8,714.4311
Worker	0.1462	0.1928	1.9546	4.9000e-003	0.4471	2.8000e-003	0.4499	0.1186	2.5700e-003	0.1211		405.5948	405.5948	0.0191		405.9968
Total	3.5943	35.9783	43.5177	0.0918	3.0644	0.6864	3.7508	0.8662	0.6312	1.4974		9,118.7844	9,118.7844	0.0783		9,120.4278

3.17 Roofing & Overhead Work 2 - 2016**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	1.9532	24.8275	14.3833	0.0291		1.0194	1.0194		0.9379	0.9379		3,017.0957	3,017.0957	0.9101		3,036.2070
Total	1.9532	24.8275	14.3833	0.0291		1.0194	1.0194		0.9379	0.9379		3,017.0957	3,017.0957	0.9101		3,036.2070

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	3.4481	35.7856	41.5632	0.0869	2.6173	0.6836	3.3009	0.7476	0.6287	1.3763		8,713.1896	8,713.1896	0.0591		8,714.4311
Worker	0.1462	0.1928	1.9546	4.9000e-003	0.4471	2.8000e-003	0.4499	0.1186	2.5700e-003	0.1211		405.5948	405.5948	0.0191		405.9968
Total	3.5943	35.9783	43.5177	0.0918	3.0644	0.6864	3.7508	0.8662	0.6312	1.4974		9,118.7844	9,118.7844	0.0783		9,120.4278

3.17 Roofing & Overhead Work 2 - 2016**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	0.6549	4.7424	13.9381	0.0291		0.2713	0.2713		0.2529	0.2529	0.0000	3,017.0957	3,017.0957	0.9101		3,036.2070
Total	0.6549	4.7424	13.9381	0.0291		0.2713	0.2713		0.2529	0.2529	0.0000	3,017.0957	3,017.0957	0.9101		3,036.2070

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	3.4481	35.7856	41.5632	0.0869	2.6173	0.6836	3.3009	0.7476	0.6287	1.3763		8,713.1896	8,713.1896	0.0591		8,714.4311
Worker	0.1462	0.1928	1.9546	4.9000e-003	0.4471	2.8000e-003	0.4499	0.1186	2.5700e-003	0.1211		405.5948	405.5948	0.0191		405.9968
Total	3.5943	35.9783	43.5177	0.0918	3.0644	0.6864	3.7508	0.8662	0.6312	1.4974		9,118.7844	9,118.7844	0.0783		9,120.4278

3.18 Roofing & Overhead Work 1 - 2016**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	3.1597	39.8954	23.6141	0.0467		1.6713	1.6713		1.5376	1.5376		4,845.3578	4,845.3578	1.4615		4,876.0499
Total	3.1597	39.8954	23.6141	0.0467		1.6713	1.6713		1.5376	1.5376		4,845.3578	4,845.3578	1.4615		4,876.0499

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	3.4481	35.7856	41.5632	0.0869	2.6173	0.6836	3.3009	0.7476	0.6287	1.3763		8,713.1896	8,713.1896	0.0591		8,714.4311
Worker	0.4569	0.6025	6.1081	0.0153	1.3972	8.7300e-003	1.4059	0.3706	8.0300e-003	0.3786		1,267.4836	1,267.4836	0.0598		1,268.7399
Total	3.9050	36.3880	47.6713	0.1022	4.0145	0.6924	4.7069	1.1181	0.6367	1.7548		9,980.6733	9,980.6733	0.1189		9,983.1710

3.18 Roofing & Overhead Work 1 - 2016**Mitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	1.2123	9.7677	22.9463	0.0467		0.5491	0.5491		0.5102	0.5102	0.0000	4,845.3578	4,845.3578	1.4615		4,876.0499
Total	1.2123	9.7677	22.9463	0.0467		0.5491	0.5491		0.5102	0.5102	0.0000	4,845.3578	4,845.3578	1.4615		4,876.0499

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	3.4481	35.7856	41.5632	0.0869	2.6173	0.6836	3.3009	0.7476	0.6287	1.3763		8,713.1896	8,713.1896	0.0591		8,714.4311
Worker	0.4569	0.6025	6.1081	0.0153	1.3972	8.7300e-003	1.4059	0.3706	8.0300e-003	0.3786		1,267.4836	1,267.4836	0.0598		1,268.7399
Total	3.9050	36.3880	47.6713	0.1022	4.0145	0.6924	4.7069	1.1181	0.6367	1.7548		9,980.6733	9,980.6733	0.1189		9,983.1710

3.18 Roofing & Overhead Work 1 - 2017**Unmitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	2.9659	36.9597	22.2694	0.0466		1.5220	1.5220		1.4002	1.4002		4,764.898 1	4,764.898 1	1.4600		4,795.557 2
Total	2.9659	36.9597	22.2694	0.0466		1.5220	1.5220		1.4002	1.4002		4,764.898 1	4,764.898 1	1.4600		4,795.557 2

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	3.1077	32.4347	39.2591	0.0867	2.6174	0.6124	3.2297	0.7476	0.5632	1.3109		8,565.830 2	8,565.830 2	0.0571		8,567.028 6
Worker	0.4082	0.5401	5.4695	0.0153	1.3972	8.4900e-003	1.4057	0.3706	7.8400e-003	0.3784		1,217.163 9	1,217.163 9	0.0549		1,218.316 2
Total	3.5159	32.9748	44.7286	0.1020	4.0146	0.6209	4.6354	1.1182	0.5711	1.6892		9,782.994 1	9,782.994 1	0.1119		9,785.344 8

3.18 Roofing & Overhead Work 1 - 2017**Mitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	1.1581	9.2917	22.8897	0.0466		0.4976	0.4976		0.4628	0.4628	0.0000	4,764.898 1	4,764.898 1	1.4600		4,795.557 2
Total	1.1581	9.2917	22.8897	0.0466		0.4976	0.4976		0.4628	0.4628	0.0000	4,764.898 1	4,764.898 1	1.4600		4,795.557 2

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	3.1077	32.4347	39.2591	0.0867	2.6174	0.6124	3.2297	0.7476	0.5632	1.3109		8,565.830 2	8,565.830 2	0.0571		8,567.028 6
Worker	0.4082	0.5401	5.4695	0.0153	1.3972	8.4900e-003	1.4057	0.3706	7.8400e-003	0.3784		1,217.163 9	1,217.163 9	0.0549		1,218.316 2
Total	3.5159	32.9748	44.7286	0.1020	4.0146	0.6209	4.6354	1.1182	0.5711	1.6892		9,782.994 1	9,782.994 1	0.1119		9,785.344 8

3.19 Paving 2 - 2016**Unmitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	2.2385	25.9379	13.6295	0.0271		1.1680	1.1680		1.0746	1.0746		2,812.896 1	2,812.896 1	0.8485		2,830.714 0
Paving	1.6824					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Total	3.9209	25.9379	13.6295	0.0271		1.1680	1.1680		1.0746	1.0746		2,812.896 1	2,812.896 1	0.8485		2,830.714 0

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	0.4052	7.1521	4.8380	0.0185	0.4536	0.1264	0.5799	0.1242	0.1162	0.2405		1,862.539 0	1,862.539 0	0.0120		1,862.790 6
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	0.0292	0.0386	0.3909	9.8000e-004	0.0894	5.6000e-004	0.0900	0.0237	5.1000e-004	0.0242		81.1190	81.1190	3.8300e-003		81.1994
Total	0.4345	7.1906	5.2289	0.0195	0.5430	0.1269	0.6699	0.1479	0.1167	0.2647		1,943.658 0	1,943.658 0	0.0158		1,943.990 0

3.19 Paving 2 - 2016**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	0.5097	7.7946	14.1898	0.0271		0.3537	0.3537		0.3537	0.3537	0.0000	2,812.896 1	2,812.896 1	0.8485		2,830.714 0
Paving	1.6824					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Total	2.1921	7.7946	14.1898	0.0271		0.3537	0.3537		0.3537	0.3537	0.0000	2,812.896 1	2,812.896 1	0.8485		2,830.714 0

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	0.4052	7.1521	4.8380	0.0185	0.4536	0.1264	0.5799	0.1242	0.1162	0.2405		1,862.539 0	1,862.539 0	0.0120		1,862.790 6
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	0.0292	0.0386	0.3909	9.8000e-004	0.0894	5.6000e-004	0.0900	0.0237	5.1000e-004	0.0242		81.1190	81.1190	3.8300e-003		81.1994
Total	0.4345	7.1906	5.2289	0.0195	0.5430	0.1269	0.6699	0.1479	0.1167	0.2647		1,943.658 0	1,943.658 0	0.0158		1,943.990 0

3.20 Architectural Coating 2 - 2016**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	13.3467					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Off-Road	0.8065	10.7243	5.9916	0.0129		0.3951	0.3951		0.3635	0.3635		1,336.5853	1,336.5853	0.4032		1,345.0517
Total	14.1532	10.7243	5.9916	0.0129		0.3951	0.3951		0.3635	0.3635		1,336.5853	1,336.5853	0.4032		1,345.0517

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	0.7786	1.0266	10.4082	0.0261	2.3808	0.0149	2.3957	0.6314	0.0137	0.6451		2,159.7921	2,159.7921	0.1019		2,161.9328
Total	0.7786	1.0266	10.4082	0.0261	2.3808	0.0149	2.3957	0.6314	0.0137	0.6451		2,159.7921	2,159.7921	0.1019		2,161.9328

3.20 Architectural Coating 2 - 2016**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	13.3467					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Off-Road	0.1573	0.6818	5.7690	0.0129		0.0210	0.0210		0.0210	0.0210	0.0000	1,336.5853	1,336.5853	0.4032		1,345.0517
Total	13.5041	0.6818	5.7690	0.0129		0.0210	0.0210		0.0210	0.0210	0.0000	1,336.5853	1,336.5853	0.4032		1,345.0517

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	0.7786	1.0266	10.4082	0.0261	2.3808	0.0149	2.3957	0.6314	0.0137	0.6451		2,159.7921	2,159.7921	0.1019		2,161.9328
Total	0.7786	1.0266	10.4082	0.0261	2.3808	0.0149	2.3957	0.6314	0.0137	0.6451		2,159.7921	2,159.7921	0.1019		2,161.9328

3.21 Misc. Finishes 2 - 2016**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	0.8663	11.6890	6.8307	0.0143		0.4225	0.4225		0.3887	0.3887		1,484.337 1	1,484.337 1	0.4477		1,493.739 4
Total	0.8663	11.6890	6.8307	0.0143		0.4225	0.4225		0.3887	0.3887		1,484.337 1	1,484.337 1	0.4477		1,493.739 4

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	3.4481	35.7856	41.5632	0.0869	2.6173	0.6836	3.3009	0.7476	0.6287	1.3763		8,713.189 6	8,713.189 6	0.0591		8,714.431 1
Worker	0.1462	0.1928	1.9546	4.9000e-003	0.4471	2.8000e-003	0.4499	0.1186	2.5700e-003	0.1211		405.5948	405.5948	0.0191		405.9968
Total	3.5943	35.9783	43.5177	0.0918	3.0644	0.6864	3.7508	0.8662	0.6312	1.4974		9,118.784 4	9,118.784 4	0.0783		9,120.427 8

3.21 Misc. Finishes 2 - 2016**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	0.2171	1.6464	6.6081	0.0143		0.0484	0.0484		0.0462	0.0462	0.0000	1,484.337 1	1,484.337 1	0.4477		1,493.739 4
Total	0.2171	1.6464	6.6081	0.0143		0.0484	0.0484		0.0462	0.0462	0.0000	1,484.337 1	1,484.337 1	0.4477		1,493.739 4

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	3.4481	35.7856	41.5632	0.0869	2.6173	0.6836	3.3009	0.7476	0.6287	1.3763		8,713.189 6	8,713.189 6	0.0591		8,714.431 1
Worker	0.1462	0.1928	1.9546	4.9000e-003	0.4471	2.8000e-003	0.4499	0.1186	2.5700e-003	0.1211		405.5948	405.5948	0.0191		405.9968
Total	3.5943	35.9783	43.5177	0.0918	3.0644	0.6864	3.7508	0.8662	0.6312	1.4974		9,118.784 4	9,118.784 4	0.0783		9,120.427 8

3.22 Roofing & Overhead Work 3 - 2016**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	1.9532	24.8275	14.3833	0.0291		1.0194	1.0194		0.9379	0.9379		3,017.0957	3,017.0957	0.9101		3,036.2070
Total	1.9532	24.8275	14.3833	0.0291		1.0194	1.0194		0.9379	0.9379		3,017.0957	3,017.0957	0.9101		3,036.2070

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	3.4481	35.7856	41.5632	0.0869	2.6173	0.6836	3.3009	0.7476	0.6287	1.3763		8,713.1896	8,713.1896	0.0591		8,714.4311
Worker	0.1462	0.1928	1.9546	4.9000e-003	0.4471	2.8000e-003	0.4499	0.1186	2.5700e-003	0.1211		405.5948	405.5948	0.0191		405.9968
Total	3.5943	35.9783	43.5177	0.0918	3.0644	0.6864	3.7508	0.8662	0.6312	1.4974		9,118.7844	9,118.7844	0.0783		9,120.4278

3.22 Roofing & Overhead Work 3 - 2016**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	0.6549	4.7424	13.9381	0.0291		0.2713	0.2713		0.2529	0.2529	0.0000	3,017.0957	3,017.0957	0.9101		3,036.2070
Total	0.6549	4.7424	13.9381	0.0291		0.2713	0.2713		0.2529	0.2529	0.0000	3,017.0957	3,017.0957	0.9101		3,036.2070

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	3.4481	35.7856	41.5632	0.0869	2.6173	0.6836	3.3009	0.7476	0.6287	1.3763		8,713.1896	8,713.1896	0.0591		8,714.4311
Worker	0.1462	0.1928	1.9546	4.9000e-003	0.4471	2.8000e-003	0.4499	0.1186	2.5700e-003	0.1211		405.5948	405.5948	0.0191		405.9968
Total	3.5943	35.9783	43.5177	0.0918	3.0644	0.6864	3.7508	0.8662	0.6312	1.4974		9,118.7844	9,118.7844	0.0783		9,120.4278

3.23 Steel & Roof 4 - 2016**Unmitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	2.2979	29.5650	14.8227	0.0311		1.1584	1.1584		1.0657	1.0657		3,230.8719	3,230.8719	0.9746		3,251.3373
Total	2.2979	29.5650	14.8227	0.0311		1.1584	1.1584		1.0657	1.0657		3,230.8719	3,230.8719	0.9746		3,251.3373

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	3.4481	35.7856	41.5632	0.0869	2.6173	0.6836	3.3009	0.7476	0.6287	1.3763		8,713.1896	8,713.1896	0.0591		8,714.4311
Worker	0.1462	0.1928	1.9546	4.9000e-003	0.4471	2.8000e-003	0.4499	0.1186	2.5700e-003	0.1211		405.5948	405.5948	0.0191		405.9968
Total	3.5943	35.9783	43.5177	0.0918	3.0644	0.6864	3.7508	0.8662	0.6312	1.4974		9,118.7844	9,118.7844	0.0783		9,120.4278

3.23 Steel & Roof 4 - 2016**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	0.9997	9.4799	14.3775	0.0311		0.4102	0.4102		0.3808	0.3808	0.0000	3,230.8719	3,230.8719	0.9746		3,251.3373
Total	0.9997	9.4799	14.3775	0.0311		0.4102	0.4102		0.3808	0.3808	0.0000	3,230.8719	3,230.8719	0.9746		3,251.3373

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	3.4481	35.7856	41.5632	0.0869	2.6173	0.6836	3.3009	0.7476	0.6287	1.3763		8,713.1896	8,713.1896	0.0591		8,714.4311
Worker	0.1462	0.1928	1.9546	4.9000e-003	0.4471	2.8000e-003	0.4499	0.1186	2.5700e-003	0.1211		405.5948	405.5948	0.0191		405.9968
Total	3.5943	35.9783	43.5177	0.0918	3.0644	0.6864	3.7508	0.8662	0.6312	1.4974		9,118.7844	9,118.7844	0.0783		9,120.4278

3.24 Paving 3 - 2016**Unmitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	2.2385	25.9379	13.6295	0.0271		1.1680	1.1680		1.0746	1.0746		2,812.896 1	2,812.896 1	0.8485		2,830.714 0
Paving	1.6824					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Total	3.9209	25.9379	13.6295	0.0271		1.1680	1.1680		1.0746	1.0746		2,812.896 1	2,812.896 1	0.8485		2,830.714 0

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	0.4330	7.6433	5.1702	0.0197	0.6072	0.1350	0.7422	0.1628	0.1242	0.2870		1,990.460 7	1,990.460 7	0.0128		1,990.729 5
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	0.0292	0.0386	0.3909	9.8000e-004	0.0894	5.6000e-004	0.0900	0.0237	5.1000e-004	0.0242		81.1190	81.1190	3.8300e-003		81.1994
Total	0.4623	7.6819	5.5611	0.0207	0.6966	0.1356	0.8322	0.1865	0.1247	0.3113		2,071.579 6	2,071.579 6	0.0166		2,071.928 9

3.24 Paving 3 - 2016**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	0.5097	7.7946	14.1898	0.0271		0.3537	0.3537		0.3537	0.3537	0.0000	2,812.896 1	2,812.896 1	0.8485		2,830.714 0
Paving	1.6824					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Total	2.1921	7.7946	14.1898	0.0271		0.3537	0.3537		0.3537	0.3537	0.0000	2,812.896 1	2,812.896 1	0.8485		2,830.714 0

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	0.4330	7.6433	5.1702	0.0197	0.6072	0.1350	0.7422	0.1628	0.1242	0.2870		1,990.460 7	1,990.460 7	0.0128		1,990.729 5
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	0.0292	0.0386	0.3909	9.8000e-004	0.0894	5.6000e-004	0.0900	0.0237	5.1000e-004	0.0242		81.1190	81.1190	3.8300e-003		81.1994
Total	0.4623	7.6819	5.5611	0.0207	0.6966	0.1356	0.8322	0.1865	0.1247	0.3113		2,071.579 6	2,071.579 6	0.0166		2,071.928 9

3.24 Paving 3 - 2017**Unmitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	2.1245	24.1267	12.9756	0.0271		1.0924	1.0924		1.0050	1.0050		2,766.6324	2,766.6324	0.8477		2,784.4339
Paving	1.6824					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Total	3.8069	24.1267	12.9756	0.0271		1.0924	1.0924		1.0050	1.0050		2,766.6324	2,766.6324	0.8477		2,784.4339

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	0.4014	6.9926	4.9704	0.0197	1.5868	0.1242	1.7110	0.4033	0.1142	0.5175		1,956.7200	1,956.7200	0.0125		1,956.9827
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	0.0261	0.0346	0.3501	9.8000e-004	0.0894	5.4000e-004	0.0900	0.0237	5.0000e-004	0.0242		77.8985	77.8985	3.5100e-003		77.9722
Total	0.4275	7.0272	5.3204	0.0207	1.6762	0.1247	1.8009	0.4270	0.1147	0.5417		2,034.6185	2,034.6185	0.0160		2,034.9549

3.24 Paving 3 - 2017**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	0.5097	7.7946	14.1898	0.0271		0.3537	0.3537		0.3537	0.3537	0.0000	2,766.632 4	2,766.632 4	0.8477		2,784.433 9
Paving	1.6824					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Total	2.1921	7.7946	14.1898	0.0271		0.3537	0.3537		0.3537	0.3537	0.0000	2,766.632 4	2,766.632 4	0.8477		2,784.433 9

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	0.4014	6.9926	4.9704	0.0197	1.5868	0.1242	1.7110	0.4033	0.1142	0.5175		1,956.720 0	1,956.720 0	0.0125		1,956.982 7
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	0.0261	0.0346	0.3501	9.8000e-004	0.0894	5.4000e-004	0.0900	0.0237	5.0000e-004	0.0242		77.8985	77.8985	3.5100e-003		77.9722
Total	0.4275	7.0272	5.3204	0.0207	1.6762	0.1247	1.8009	0.4270	0.1147	0.5417		2,034.618 5	2,034.618 5	0.0160		2,034.954 9

3.25 Architectural Coating 1 - 2016**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	28.8883					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Off-Road	3.2259	42.8974	23.9663	0.0515		1.5802	1.5802		1.4538	1.4538		5,346.3413	5,346.3413	1.6127		5,380.2069
Total	32.1142	42.8974	23.9663	0.0515		1.5802	1.5802		1.4538	1.4538		5,346.3413	5,346.3413	1.6127		5,380.2069

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	0.7786	1.0266	10.4082	0.0261	2.3808	0.0149	2.3957	0.6314	0.0137	0.6451		2,159.7921	2,159.7921	0.1019		2,161.9328
Total	0.7786	1.0266	10.4082	0.0261	2.3808	0.0149	2.3957	0.6314	0.0137	0.6451		2,159.7921	2,159.7921	0.1019		2,161.9328

3.25 Architectural Coating 1 - 2016**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	28.8883					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Off-Road	0.6293	2.7272	23.0759	0.0515		0.0839	0.0839		0.0839	0.0839	0.0000	5,346.3413	5,346.3413	1.6127		5,380.2069
Total	29.5176	2.7272	23.0759	0.0515		0.0839	0.0839		0.0839	0.0839	0.0000	5,346.3413	5,346.3413	1.6127		5,380.2069

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	0.7786	1.0266	10.4082	0.0261	2.3808	0.0149	2.3957	0.6314	0.0137	0.6451		2,159.7921	2,159.7921	0.1019		2,161.9328
Total	0.7786	1.0266	10.4082	0.0261	2.3808	0.0149	2.3957	0.6314	0.0137	0.6451		2,159.7921	2,159.7921	0.1019		2,161.9328

3.25 Architectural Coating 1 - 2017**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	28.8883					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Off-Road	3.0399	39.6179	22.2488	0.0514		1.4498	1.4498		1.3338	1.3338		5,256.379 9	5,256.379 9	1.6106		5,290.201 4
Total	31.9282	39.6179	22.2488	0.0514		1.4498	1.4498		1.3338	1.3338		5,256.379 9	5,256.379 9	1.6106		5,290.201 4

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	0.6955	0.9203	9.3201	0.0261	2.3808	0.0145	2.3953	0.6314	0.0134	0.6448		2,074.047 3	2,074.047 3	0.0935		2,076.010 7
Total	0.6955	0.9203	9.3201	0.0261	2.3808	0.0145	2.3953	0.6314	0.0134	0.6448		2,074.047 3	2,074.047 3	0.0935		2,076.010 7

3.25 Architectural Coating 1 - 2017**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	28.8883					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Off-Road	0.6293	2.7272	23.0759	0.0514		0.0839	0.0839		0.0839	0.0839	0.0000	5,256.379 9	5,256.379 9	1.6106		5,290.201 4
Total	29.5176	2.7272	23.0759	0.0514		0.0839	0.0839		0.0839	0.0839	0.0000	5,256.379 9	5,256.379 9	1.6106		5,290.201 4

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	0.6955	0.9203	9.3201	0.0261	2.3808	0.0145	2.3953	0.6314	0.0134	0.6448		2,074.047 3	2,074.047 3	0.0935		2,076.010 7
Total	0.6955	0.9203	9.3201	0.0261	2.3808	0.0145	2.3953	0.6314	0.0134	0.6448		2,074.047 3	2,074.047 3	0.0935		2,076.010 7

3.26 Misc. Finishes 3 - 2016**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	0.8663	11.6890	6.8307	0.0143		0.4225	0.4225		0.3887	0.3887		1,484.337 1	1,484.337 1	0.4477		1,493.739 4
Total	0.8663	11.6890	6.8307	0.0143		0.4225	0.4225		0.3887	0.3887		1,484.337 1	1,484.337 1	0.4477		1,493.739 4

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	3.4481	35.7856	41.5632	0.0869	2.6173	0.6836	3.3009	0.7476	0.6287	1.3763		8,713.189 6	8,713.189 6	0.0591		8,714.431 1
Worker	0.1462	0.1928	1.9546	4.9000e-003	0.4471	2.8000e-003	0.4499	0.1186	2.5700e-003	0.1211		405.5948	405.5948	0.0191		405.9968
Total	3.5943	35.9783	43.5177	0.0918	3.0644	0.6864	3.7508	0.8662	0.6312	1.4974		9,118.784 4	9,118.784 4	0.0783		9,120.427 8

3.26 Misc. Finishes 3 - 2016**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	0.2171	1.6464	6.6081	0.0143		0.0484	0.0484		0.0462	0.0462	0.0000	1,484.337 1	1,484.337 1	0.4477		1,493.739 4
Total	0.2171	1.6464	6.6081	0.0143		0.0484	0.0484		0.0462	0.0462	0.0000	1,484.337 1	1,484.337 1	0.4477		1,493.739 4

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	3.4481	35.7856	41.5632	0.0869	2.6173	0.6836	3.3009	0.7476	0.6287	1.3763		8,713.189 6	8,713.189 6	0.0591		8,714.431 1
Worker	0.1462	0.1928	1.9546	4.9000e-003	0.4471	2.8000e-003	0.4499	0.1186	2.5700e-003	0.1211		405.5948	405.5948	0.0191		405.9968
Total	3.5943	35.9783	43.5177	0.0918	3.0644	0.6864	3.7508	0.8662	0.6312	1.4974		9,118.784 4	9,118.784 4	0.0783		9,120.427 8

3.26 Misc. Finishes 3 - 2017**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	0.8148	10.8150	6.3939	0.0143		0.3832	0.3832		0.3525	0.3525		1,459.550 1	1,459.550 1	0.4472		1,468.941 4
Total	0.8148	10.8150	6.3939	0.0143		0.3832	0.3832		0.3525	0.3525		1,459.550 1	1,459.550 1	0.4472		1,468.941 4

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	3.1077	32.4347	39.2591	0.0867	2.6174	0.6124	3.2297	0.7476	0.5632	1.3109		8,565.830 2	8,565.830 2	0.0571		8,567.028 6
Worker	0.1306	0.1728	1.7503	4.9000e-003	0.4471	2.7200e-003	0.4498	0.1186	2.5100e-003	0.1211		389.4924	389.4924	0.0176		389.8612
Total	3.2383	32.6075	41.0093	0.0916	3.0645	0.6151	3.6796	0.8662	0.5657	1.4319		8,955.322 6	8,955.322 6	0.0746		8,956.889 8

3.26 Misc. Finishes 3 - 2017**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	0.2122	1.5923	6.6007	0.0143		0.0417	0.0417		0.0400	0.0400	0.0000	1,459.550 1	1,459.550 1	0.4472		1,468.941 4
Total	0.2122	1.5923	6.6007	0.0143		0.0417	0.0417		0.0400	0.0400	0.0000	1,459.550 1	1,459.550 1	0.4472		1,468.941 4

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	3.1077	32.4347	39.2591	0.0867	2.6174	0.6124	3.2297	0.7476	0.5632	1.3109		8,565.830 2	8,565.830 2	0.0571		8,567.028 6
Worker	0.1306	0.1728	1.7503	4.9000e-003	0.4471	2.7200e-003	0.4498	0.1186	2.5100e-003	0.1211		389.4924	389.4924	0.0176		389.8612
Total	3.2383	32.6075	41.0093	0.0916	3.0645	0.6151	3.6796	0.8662	0.5657	1.4319		8,955.322 6	8,955.322 6	0.0746		8,956.889 8

3.27 Architectural Coating 3 - 2016**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	11.2646					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Off-Road	0.8065	10.7243	5.9916	0.0129		0.3951	0.3951		0.3635	0.3635		1,336.5853	1,336.5853	0.4032		1,345.0517
Total	12.0711	10.7243	5.9916	0.0129		0.3951	0.3951		0.3635	0.3635		1,336.5853	1,336.5853	0.4032		1,345.0517

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	0.7786	1.0266	10.4082	0.0261	2.3808	0.0149	2.3957	0.6314	0.0137	0.6451		2,159.7921	2,159.7921	0.1019		2,161.9328
Total	0.7786	1.0266	10.4082	0.0261	2.3808	0.0149	2.3957	0.6314	0.0137	0.6451		2,159.7921	2,159.7921	0.1019		2,161.9328

3.27 Architectural Coating 3 - 2016**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	11.2646					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Off-Road	0.1573	0.6818	5.7690	0.0129		0.0210	0.0210		0.0210	0.0210	0.0000	1,336.5853	1,336.5853	0.4032		1,345.0517
Total	11.4219	0.6818	5.7690	0.0129		0.0210	0.0210		0.0210	0.0210	0.0000	1,336.5853	1,336.5853	0.4032		1,345.0517

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	0.7786	1.0266	10.4082	0.0261	2.3808	0.0149	2.3957	0.6314	0.0137	0.6451		2,159.7921	2,159.7921	0.1019		2,161.9328
Total	0.7786	1.0266	10.4082	0.0261	2.3808	0.0149	2.3957	0.6314	0.0137	0.6451		2,159.7921	2,159.7921	0.1019		2,161.9328

3.27 Architectural Coating 3 - 2017**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	11.2646					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Off-Road	0.7600	9.9045	5.5622	0.0129		0.3625	0.3625		0.3335	0.3335		1,314.0950	1,314.0950	0.4026		1,322.5504
Total	12.0246	9.9045	5.5622	0.0129		0.3625	0.3625		0.3335	0.3335		1,314.0950	1,314.0950	0.4026		1,322.5504

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	0.6955	0.9203	9.3201	0.0261	2.3808	0.0145	2.3953	0.6314	0.0134	0.6448		2,074.0473	2,074.0473	0.0935		2,076.0107
Total	0.6955	0.9203	9.3201	0.0261	2.3808	0.0145	2.3953	0.6314	0.0134	0.6448		2,074.0473	2,074.0473	0.0935		2,076.0107

3.27 Architectural Coating 3 - 2017**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	11.2646					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Off-Road	0.1573	0.6818	5.7690	0.0129		0.0210	0.0210		0.0210	0.0210	0.0000	1,314.0950	1,314.0950	0.4026		1,322.5504
Total	11.4219	0.6818	5.7690	0.0129		0.0210	0.0210		0.0210	0.0210	0.0000	1,314.0950	1,314.0950	0.4026		1,322.5504

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	0.6955	0.9203	9.3201	0.0261	2.3808	0.0145	2.3953	0.6314	0.0134	0.6448		2,074.0473	2,074.0473	0.0935		2,076.0107
Total	0.6955	0.9203	9.3201	0.0261	2.3808	0.0145	2.3953	0.6314	0.0134	0.6448		2,074.0473	2,074.0473	0.0935		2,076.0107

3.28 Paving 1 - 2016**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	3.1077	36.2213	18.4186	0.0378		1.5543	1.5543		1.4299	1.4299		3,924.9846	3,924.9846	1.1839		3,949.8468
Paving	0.5293					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Total	3.6370	36.2213	18.4186	0.0378		1.5543	1.5543		1.4299	1.4299		3,924.9846	3,924.9846	1.1839		3,949.8468

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	12.8330	8.6807	0.0331	9.3460	0.2267	9.5727	2.3172	0.2085	2.5257		3,341.9456	3,341.9456	0.0215		3,342.3970
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	0.0366	0.0482	0.4887	1.2200e-003	0.1118	7.0000e-004	0.1125	0.0296	6.4000e-004	0.0303		101.3987	101.3987	4.7900e-003		101.4992
Total	0.7636	12.8812	9.1694	0.0344	9.4578	0.2274	9.6852	2.3468	0.2092	2.5560		3,443.3443	3,443.3443	0.0263		3,443.8962

3.28 Paving 1 - 2016**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	0.7764	12.9503	19.9676	0.0378		0.5492	0.5492		0.5492	0.5492	0.0000	3,924.9845	3,924.9845	1.1839		3,949.8468
Paving	0.5293					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Total	1.3057	12.9503	19.9676	0.0378		0.5492	0.5492		0.5492	0.5492	0.0000	3,924.9845	3,924.9845	1.1839		3,949.8468

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	12.8330	8.6807	0.0331	9.3460	0.2267	9.5727	2.3172	0.2085	2.5257		3,341.9456	3,341.9456	0.0215		3,342.3970
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	0.0366	0.0482	0.4887	1.2200e-003	0.1118	7.0000e-004	0.1125	0.0296	6.4000e-004	0.0303		101.3987	101.3987	4.7900e-003		101.4992
Total	0.7636	12.8812	9.1694	0.0344	9.4578	0.2274	9.6852	2.3468	0.2092	2.5560		3,443.3443	3,443.3443	0.0263		3,443.8962

3.28 Paving 1 - 2017**Unmitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	2.9451	33.5783	17.5545	0.0378		1.4486	1.4486		1.3327	1.3327		3,860.5983	3,860.5983	1.1829		3,885.4388
Paving	0.5293					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Total	3.4744	33.5783	17.5545	0.0378		1.4486	1.4486		1.3327	1.3327		3,860.5983	3,860.5983	1.1829		3,885.4388

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	0.6740	11.7404	8.3451	0.0331	0.8584	0.2085	1.0669	0.2339	0.1918	0.4257		3,285.2956	3,285.2956	0.0210		3,285.7366
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	0.0327	0.0432	0.4376	1.2200e-003	0.1118	6.8000e-004	0.1125	0.0296	6.3000e-004	0.0303		97.3731	97.3731	4.3900e-003		97.4653
Total	0.7066	11.7837	8.7827	0.0343	0.9702	0.2092	1.1794	0.2635	0.1924	0.4559		3,382.6687	3,382.6687	0.0254		3,383.2019

3.28 Paving 1 - 2017**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	0.7764	12.9503	19.9676	0.0378		0.5492	0.5492		0.5492	0.5492	0.0000	3,860.598 3	3,860.598 3	1.1829		3,885.438 8
Paving	0.5293					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Total	1.3057	12.9503	19.9676	0.0378		0.5492	0.5492		0.5492	0.5492	0.0000	3,860.598 3	3,860.598 3	1.1829		3,885.438 8

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	0.6740	11.7404	8.3451	0.0331	0.8584	0.2085	1.0669	0.2339	0.1918	0.4257		3,285.295 6	3,285.295 6	0.0210		3,285.736 6
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	0.0327	0.0432	0.4376	1.2200e-003	0.1118	6.8000e-004	0.1125	0.0296	6.3000e-004	0.0303		97.3731	97.3731	4.3900e-003		97.4653
Total	0.7066	11.7837	8.7827	0.0343	0.9702	0.2092	1.1794	0.2635	0.1924	0.4559		3,382.668 7	3,382.668 7	0.0254		3,383.201 9

3.29 Roofing & Overhead Work 4 - 2016**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	1.9532	24.8275	14.3833	0.0291		1.0194	1.0194		0.9379	0.9379		3,017.0957	3,017.0957	0.9101		3,036.2070
Total	1.9532	24.8275	14.3833	0.0291		1.0194	1.0194		0.9379	0.9379		3,017.0957	3,017.0957	0.9101		3,036.2070

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	3.4481	35.7856	41.5632	0.0869	2.6173	0.6836	3.3009	0.7476	0.6287	1.3763		8,713.1896	8,713.1896	0.0591		8,714.4311
Worker	0.1462	0.1928	1.9546	4.9000e-003	0.4471	2.8000e-003	0.4499	0.1186	2.5700e-003	0.1211		405.5948	405.5948	0.0191		405.9968
Total	3.5943	35.9783	43.5177	0.0918	3.0644	0.6864	3.7508	0.8662	0.6312	1.4974		9,118.7844	9,118.7844	0.0783		9,120.4278

3.29 Roofing & Overhead Work 4 - 2016**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	0.6549	4.7424	13.9381	0.0291		0.2713	0.2713		0.2529	0.2529	0.0000	3,017.0957	3,017.0957	0.9101		3,036.2070
Total	0.6549	4.7424	13.9381	0.0291		0.2713	0.2713		0.2529	0.2529	0.0000	3,017.0957	3,017.0957	0.9101		3,036.2070

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	3.4481	35.7856	41.5632	0.0869	2.6173	0.6836	3.3009	0.7476	0.6287	1.3763		8,713.1896	8,713.1896	0.0591		8,714.4311
Worker	0.1462	0.1928	1.9546	4.9000e-003	0.4471	2.8000e-003	0.4499	0.1186	2.5700e-003	0.1211		405.5948	405.5948	0.0191		405.9968
Total	3.5943	35.9783	43.5177	0.0918	3.0644	0.6864	3.7508	0.8662	0.6312	1.4974		9,118.7844	9,118.7844	0.0783		9,120.4278

3.29 Roofing & Overhead Work 4 - 2017**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	1.8355	22.9768	13.4999	0.0290		0.9319	0.9319		0.8573	0.8573		2,966.7690	2,966.7690	0.9090		2,985,8582
Total	1.8355	22.9768	13.4999	0.0290		0.9319	0.9319		0.8573	0.8573		2,966.7690	2,966.7690	0.9090		2,985,8582

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	3.1077	32.4347	39.2591	0.0867	2.6174	0.6124	3.2297	0.7476	0.5632	1.3109		8,565.8302	8,565.8302	0.0571		8,567.0286
Worker	0.1306	0.1728	1.7503	4.9000e-003	0.4471	2.7200e-003	0.4498	0.1186	2.5100e-003	0.1211		389.4924	389.4924	0.0176		389.8612
Total	3.2383	32.6075	41.0093	0.0916	3.0645	0.6151	3.6796	0.8662	0.5657	1.4319		8,955.3226	8,955.3226	0.0746		8,956.8898

3.29 Roofing & Overhead Work 4 - 2017**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	0.6303	4.5315	13.9135	0.0290		0.2489	0.2489		0.2324	0.2324	0.0000	2,966.7690	2,966.7690	0.9090		2,985,8582
Total	0.6303	4.5315	13.9135	0.0290		0.2489	0.2489		0.2324	0.2324	0.0000	2,966.7690	2,966.7690	0.9090		2,985,8582

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	3.1077	32.4347	39.2591	0.0867	2.6174	0.6124	3.2297	0.7476	0.5632	1.3109		8,565.8302	8,565.8302	0.0571		8,567.0286
Worker	0.1306	0.1728	1.7503	4.9000e-003	0.4471	2.7200e-003	0.4498	0.1186	2.5100e-003	0.1211		389.4924	389.4924	0.0176		389.8612
Total	3.2383	32.6075	41.0093	0.0916	3.0645	0.6151	3.6796	0.8662	0.5657	1.4319		8,955.3226	8,955.3226	0.0746		8,956.8898

3.30 Architectural Coating 4 - 2017**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	14.0735					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Off-Road	0.7600	9.9045	5.5622	0.0129		0.3625	0.3625		0.3335	0.3335		1,314.0950	1,314.0950	0.4026		1,322.5504
Total	14.8334	9.9045	5.5622	0.0129		0.3625	0.3625		0.3335	0.3335		1,314.0950	1,314.0950	0.4026		1,322.5504

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	0.6955	0.9203	9.3201	0.0261	2.3808	0.0145	2.3953	0.6314	0.0134	0.6448		2,074.0473	2,074.0473	0.0935		2,076.0107
Total	0.6955	0.9203	9.3201	0.0261	2.3808	0.0145	2.3953	0.6314	0.0134	0.6448		2,074.0473	2,074.0473	0.0935		2,076.0107

3.30 Architectural Coating 4 - 2017**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	14.0735					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Off-Road	0.1573	0.6818	5.7690	0.0129		0.0210	0.0210		0.0210	0.0210	0.0000	1,314.0950	1,314.0950	0.4026		1,322.5504
Total	14.2308	0.6818	5.7690	0.0129		0.0210	0.0210		0.0210	0.0210	0.0000	1,314.0950	1,314.0950	0.4026		1,322.5504

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	0.6955	0.9203	9.3201	0.0261	2.3808	0.0145	2.3953	0.6314	0.0134	0.6448		2,074.0473	2,074.0473	0.0935		2,076.0107
Total	0.6955	0.9203	9.3201	0.0261	2.3808	0.0145	2.3953	0.6314	0.0134	0.6448		2,074.0473	2,074.0473	0.0935		2,076.0107

3.31 Paving 4 - 2017**Unmitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	2.1245	24.1267	12.9756	0.0271		1.0924	1.0924		1.0050	1.0050		2,766.6324	2,766.6324	0.8477		2,784.4339
Paving	1.3085					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Total	3.4330	24.1267	12.9756	0.0271		1.0924	1.0924		1.0050	1.0050		2,766.6324	2,766.6324	0.8477		2,784.4339

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	0.3363	5.8581	4.1640	0.0165	0.4061	0.1040	0.5101	0.1112	0.0957	0.2069		1,639.2630	1,639.2630	0.0105		1,639.4830
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	0.0261	0.0346	0.3501	9.8000e-004	0.0894	5.4000e-004	0.0900	0.0237	5.0000e-004	0.0242		77.8985	77.8985	3.5100e-003		77.9722
Total	0.3624	5.8927	4.5140	0.0175	0.4955	0.1046	0.6001	0.1349	0.0962	0.2312		1,717.1615	1,717.1615	0.0140		1,717.4553

3.31 Paving 4 - 2017**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	0.5097	7.7946	14.1898	0.0271		0.3537	0.3537		0.3537	0.3537	0.0000	2,766.6324	2,766.6324	0.8477		2,784.4339
Paving	1.3085					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Total	1.8183	7.7946	14.1898	0.0271		0.3537	0.3537		0.3537	0.3537	0.0000	2,766.6324	2,766.6324	0.8477		2,784.4339

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	0.3363	5.8581	4.1640	0.0165	0.4061	0.1040	0.5101	0.1112	0.0957	0.2069		1,639.2630	1,639.2630	0.0105		1,639.4830
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	0.0261	0.0346	0.3501	9.8000e-004	0.0894	5.4000e-004	0.0900	0.0237	5.0000e-004	0.0242		77.8985	77.8985	3.5100e-003		77.9722
Total	0.3624	5.8927	4.5140	0.0175	0.4955	0.1046	0.6001	0.1349	0.0962	0.2312		1,717.1615	1,717.1615	0.0140		1,717.4553

3.32 Misc. Finishes 4 - 2017**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	0.8148	10.8150	6.3939	0.0143		0.3832	0.3832		0.3525	0.3525		1,459.550 1	1,459.550 1	0.4472		1,468.941 4
Total	0.8148	10.8150	6.3939	0.0143		0.3832	0.3832		0.3525	0.3525		1,459.550 1	1,459.550 1	0.4472		1,468.941 4

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	3.1077	32.4347	39.2591	0.0867	2.6174	0.6124	3.2297	0.7476	0.5632	1.3109		8,565.830 2	8,565.830 2	0.0571		8,567.028 6
Worker	0.1306	0.1728	1.7503	4.9000e-003	0.4471	2.7200e-003	0.4498	0.1186	2.5100e-003	0.1211		389.4924	389.4924	0.0176		389.8612
Total	3.2383	32.6075	41.0093	0.0916	3.0645	0.6151	3.6796	0.8662	0.5657	1.4319		8,955.322 6	8,955.322 6	0.0746		8,956.889 8

3.32 Misc. Finishes 4 - 2017**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	0.2122	1.5923	6.6007	0.0143		0.0417	0.0417		0.0400	0.0400	0.0000	1,459.550 1	1,459.550 1	0.4472		1,468.941 4
Total	0.2122	1.5923	6.6007	0.0143		0.0417	0.0417		0.0400	0.0400	0.0000	1,459.550 1	1,459.550 1	0.4472		1,468.941 4

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	3.1077	32.4347	39.2591	0.0867	2.6174	0.6124	3.2297	0.7476	0.5632	1.3109		8,565.830 2	8,565.830 2	0.0571		8,567.028 6
Worker	0.1306	0.1728	1.7503	4.9000e-003	0.4471	2.7200e-003	0.4498	0.1186	2.5100e-003	0.1211		389.4924	389.4924	0.0176		389.8612
Total	3.2383	32.6075	41.0093	0.0916	3.0645	0.6151	3.6796	0.8662	0.5657	1.4319		8,955.322 6	8,955.322 6	0.0746		8,956.889 8

3.33 Misc. Finishes 1 - 2017**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	1.6297	21.6300	12.7878	0.0286		0.7663	0.7663		0.7050	0.7050		2,919.1003	2,919.1003	0.8944		2,937.8828
Total	1.6297	21.6300	12.7878	0.0286		0.7663	0.7663		0.7050	0.7050		2,919.1003	2,919.1003	0.8944		2,937.8828

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	3.1077	32.4347	39.2591	0.0867	2.6174	0.6124	3.2297	0.7476	0.5632	1.3109		8,565.8302	8,565.8302	0.0571		8,567.0286
Worker	0.4082	0.5401	5.4695	0.0153	1.3972	8.4900e-003	1.4057	0.3706	7.8400e-003	0.3784		1,217.1639	1,217.1639	0.0549		1,218.3162
Total	3.5159	32.9748	44.7286	0.1020	4.0146	0.6209	4.6354	1.1182	0.5711	1.6892		9,782.9941	9,782.9941	0.1119		9,785.3448

3.33 Misc. Finishes 1 - 2017**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	0.4244	3.1847	13.2014	0.0286		0.0834	0.0834		0.0801	0.0801	0.0000	2,919.1003	2,919.1003	0.8944		2,937.8828
Total	0.4244	3.1847	13.2014	0.0286		0.0834	0.0834		0.0801	0.0801	0.0000	2,919.1003	2,919.1003	0.8944		2,937.8828

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	3.1077	32.4347	39.2591	0.0867	2.6174	0.6124	3.2297	0.7476	0.5632	1.3109		8,565.8302	8,565.8302	0.0571		8,567.0286
Worker	0.4082	0.5401	5.4695	0.0153	1.3972	8.4900e-003	1.4057	0.3706	7.8400e-003	0.3784		1,217.1639	1,217.1639	0.0549		1,218.3162
Total	3.5159	32.9748	44.7286	0.1020	4.0146	0.6209	4.6354	1.1182	0.5711	1.6892		9,782.9941	9,782.9941	0.1119		9,785.3448

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	0.0000	0.0000	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	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000

4.2 Trip Summary Information

Land Use	Average Daily Trip Rate			Unmitigated	Mitigated
	Weekday	Saturday	Sunday	Annual VMT	Annual VMT
General Light Industry	0.00	0.00	0.00		
Parking Lot	0.00	0.00	0.00		
Unrefrigerated Warehouse-No Rail	0.00	0.00	0.00		
Total	0.00	0.00	0.00		

4.3 Trip Type Information

Land Use	Miles			Trip %			Trip Purpose %		
	H-W or C-W	H-S or C-C	H-O or C-NW	H-W or C-W	H-S or C-C	H-O or C-NW	Primary	Diverted	Pass-by
General Light Industry	16.60	8.40	6.90	59.00	28.00	13.00	92	5	3
Parking Lot	16.60	8.40	6.90	0.00	0.00	0.00	0	0	0
Unrefrigerated Warehouse-No Rail	16.60	8.40	6.90	59.00	0.00	41.00	92	5	3

LDA	LDT1	LDT2	MDV	LHD1	LHD2	MHD	HHD	OBUS	UBUS	MCY	SBUS	MH
0.000000	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000

5.0 Energy Detail

5.1 Fleet Mix

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					
Parking Lot	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Unrefrigerated Warehouse-No Pail	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
General Light Industry	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					
Parking Lot	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Unrefrigerated Warehouse-No Pail	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
General Light Industry	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	50.2645	3.6800e-003	0.3886	3.0000e-005		1.4000e-003	1.4000e-003		1.4000e-003	1.4000e-003		0.8175	0.8175	2.2800e-003		0.8653
Unmitigated	50.2645	3.6800e-003	0.3886	3.0000e-005		1.4000e-003	1.4000e-003		1.4000e-003	1.4000e-003		0.8175	0.8175	2.2800e-003		0.8653

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	0.0000					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Consumer Products	50.2270					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Landscaping	0.0375	3.6800e-003	0.3886	3.0000e-005		1.4000e-003	1.4000e-003		1.4000e-003	1.4000e-003		0.8175	0.8175	2.2800e-003		0.8653
Total	50.2645	3.6800e-003	0.3886	3.0000e-005		1.4000e-003	1.4000e-003		1.4000e-003	1.4000e-003		0.8175	0.8175	2.2800e-003		0.8653

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	0.0000					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Consumer Products	50.2270					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Landscaping	0.0375	3.6800e-003	0.3886	3.0000e-005		1.4000e-003	1.4000e-003		1.4000e-003	1.4000e-003		0.8175	0.8175	2.2800e-003		0.8653
Total	50.2645	3.6800e-003	0.3886	3.0000e-005		1.4000e-003	1.4000e-003		1.4000e-003	1.4000e-003		0.8175	0.8175	2.2800e-003		0.8653

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 Vegetation

MoVal Logistics Center- Operational High Cube (Trucks)
Riverside-South Coast County, Summer

1.0 Project Characteristics

1.1 Land Usage

Land Uses	Size	Metric	Lot Acreage	Floor Surface Area	Population
Unrefrigerated Warehouse-No Rail	1,178.02	1000sqft	41.61	1,178,020.00	0
Parking Lot	1,386.00	Space	12.47	554,400.00	0
Refrigerated Warehouse-No Rail	173.75	1000sqft	4.62	173,750.00	0

1.2 Other Project Characteristics

Urbanization	Urban	Wind Speed (m/s)	2.4	Precipitation Freq (Days)	28
Climate Zone	10			Operational Year	2017
Utility Company	Southern California Edison				
CO2 Intensity (lb/MW hr)	515.47	CH4 Intensity (lb/MW hr)	0.029	N2O Intensity (lb/MW hr)	0.006

1.3 User Entered Comments & Non-Default Data

Project Characteristics - CPUC GHG Calculator version 3c, worksheet tab "CO2 Allocations," cells AH/AQ 35-44.

Land Use - Lot Acreage:58.7; Cold Storage takes into account 10% of total Project land uses (High Cube and Light Industrial)

Construction Phase - Operation run only

Off-road Equipment - Operational run only

Trips and VMT - Operational Run Only.

Vehicle Trips - ITE Truck Trip Rate for High-Cube Warehouse.

Vehicle Emission Factors - Trucks Only.

Vehicle Emission Factors - Trucks Only.

Vehicle Emission Factors - Trucks Only.

Area Coating -

Energy Use - Title-24 Electricity Energy Intensity and Title-24 Natural Gas Energy Intensity were adjusted by 21.8% and 16.8% respectively, to reflect 2013 Title 24 requirements. Source: Impact Analysis California's 2013 Building Energy Efficiency Standards (CEC 2013)

Water And Wastewater - Water usage based on 0.75 AFY per acre which is based on EMWD data for similar projects.

Operational Off-Road Equipment - based on CARB Cargo Handling Equipment Yard Truck Emission Testing Report. hours per day based on the Port of Long Beach Air Emissions Inventory (June 2008)

Table Name	Column Name	Default Value	New Value
tblConstructionPhase	NumDays	70.00	1.00
tblEnergyUse	T24E	0.45	0.35
tblEnergyUse	T24E	1.30	1.02
tblEnergyUse	T24NG	2.11	1.76
tblEnergyUse	T24NG	3.42	2.85
tblLandUse	LotAcreage	27.04	41.61
tblLandUse	LotAcreage	3.99	4.62
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	3.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	2.00	0.00
tblOperationalOffRoadEquipment	OperDaysPerYear	260.00	365.00
tblOperationalOffRoadEquipment	OperHorsePower	97.00	200.00

tblOperationalOffRoadEquipment	OperHoursPerDay	8.00	4.00
tblOperationalOffRoadEquipment	OperOffRoadEquipmentNumber	0.00	5.00
tblProjectCharacteristics	CO2IntensityFactor	630.89	515.47
tblProjectCharacteristics	OperationalYear	2014	2017
tblTripsAndVMT	VendorTripLength	6.90	0.00
tblTripsAndVMT	WorkerTripLength	14.70	0.00
tblVehicleEF	HHD	0.04	0.60
tblVehicleEF	HHD	0.04	0.60
tblVehicleEF	HHD	0.04	0.60
tblVehicleEF	LDA	0.46	0.00
tblVehicleEF	LDA	0.46	0.00
tblVehicleEF	LDA	0.46	0.00
tblVehicleEF	LDT1	0.07	0.00
tblVehicleEF	LDT1	0.07	0.00
tblVehicleEF	LDT1	0.07	0.00
tblVehicleEF	LDT2	0.18	0.00
tblVehicleEF	LDT2	0.18	0.00
tblVehicleEF	LDT2	0.18	0.00
tblVehicleEF	LHD1	0.05	0.22
tblVehicleEF	LHD1	0.05	0.22
tblVehicleEF	LHD1	0.05	0.22
tblVehicleEF	LHD2	7.3830e-003	0.00
tblVehicleEF	LHD2	7.3830e-003	0.00
tblVehicleEF	LHD2	7.3830e-003	0.00
tblVehicleEF	MCY	6.4540e-003	0.00
tblVehicleEF	MCY	6.4540e-003	0.00
tblVehicleEF	MCY	6.4540e-003	0.00
tblVehicleEF	MDV	0.17	0.00

tblVehicleEF	MDV	0.17	0.00
tblVehicleEF	MDV	0.17	0.00
tblVehicleEF	MH	3.2420e-003	0.00
tblVehicleEF	MH	3.2420e-003	0.00
tblVehicleEF	MH	3.2420e-003	0.00
tblVehicleEF	MHD	0.01	0.18
tblVehicleEF	MHD	0.01	0.18
tblVehicleEF	MHD	0.01	0.18
tblVehicleEF	OBUS	9.5400e-004	0.00
tblVehicleEF	OBUS	9.5400e-004	0.00
tblVehicleEF	OBUS	9.5400e-004	0.00
tblVehicleEF	SBUS	8.8400e-004	0.00
tblVehicleEF	SBUS	8.8400e-004	0.00
tblVehicleEF	SBUS	8.8400e-004	0.00
tblVehicleEF	UBUS	1.0560e-003	0.00
tblVehicleEF	UBUS	1.0560e-003	0.00
tblVehicleEF	UBUS	1.0560e-003	0.00
tblVehicleTrips	CNW_TTP	41.00	0.00
tblVehicleTrips	CNW_TTP	41.00	0.00
tblVehicleTrips	CW_TL	16.60	61.00
tblVehicleTrips	CW_TL	16.60	61.00
tblVehicleTrips	CW_TTP	59.00	100.00
tblVehicleTrips	CW_TTP	59.00	100.00
tblVehicleTrips	ST_TR	2.59	0.64
tblVehicleTrips	ST_TR	2.59	0.64
tblVehicleTrips	SU_TR	2.59	0.64
tblVehicleTrips	SU_TR	2.59	0.64
tblVehicleTrips	WD_TR	2.59	0.64

tblVehicleTrips	WD_TR	2.59	0.64
tblWater	IndoorWaterUseRate	272,417,125.00	12,501,696.00
tblWater	IndoorWaterUseRate	40,179,687.50	1,843,913.00

2.0 Emissions Summary

2.1 Overall Construction (Maximum Daily Emission)

Unmitigated Construction

[illegible]

Mitigated Construction

[illegible][illegible]

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	46.4581	2.7000e-003	0.2848	2.0000e-005		1.0300e-003	1.0300e-003		1.0300e-003	1.0300e-003		0.5992	0.5992	1.6700e-003		0.6342
Energy	0.3258	2.9617	2.4878	0.0178		0.2251	0.2251		0.2251	0.2251		3,554.0325	3,554.0325	0.0681	0.0652	3,575.6618
Mobile	19.7722	429.9794	184.4630	1.3460	42.6974	8.3941	51.0915	11.8526	7.7224	19.5750		133,430.7588	133,430.7588	0.8864		133,449.3730
Offroad	0.9503	13.1839	4.2537	0.0159		0.4302	0.4302		0.3958	0.3958		1,621.1261	1,621.1261	0.4967		1,631.5570
Total	67.5063	446.1277	191.4893	1.3797	42.6974	9.0504	51.7478	11.8526	8.3442	20.1969		138,606.5167	138,606.5167	1.4529	0.0652	138,657.2260

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	lb/day										lb/day					
Area	46.4581	2.7000e-003	0.2848	2.0000e-005		1.0300e-003	1.0300e-003		1.0300e-003	1.0300e-003		0.5992	0.5992	1.6700e-003		0.6342
Energy	0.3258	2.9617	2.4878	0.0178		0.2251	0.2251		0.2251	0.2251		3,554.0325	3,554.0325	0.0681	0.0652	3,575.6618
Mobile	19.7722	429.9794	184.4630	1.3460	42.6974	8.3941	51.0915	11.8526	7.7224	19.5750		133,430.7588	133,430.7588	0.8864		133,449.3730
Offroad	0.9503	13.1839	4.2537	0.0159		0.4302	0.4302		0.3958	0.3958		1,621.1261	1,621.1261	0.4967		1,631.5570
Total	67.5063	446.1277	191.4893	1.3797	42.6974	9.0504	51.7478	11.8526	8.3442	20.1969		138,606.5167	138,606.5167	1.4529	0.0652	138,657.2260

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N2O	CO2e
Percent Reduction	1.41	2.96	2.22	1.15	0.00	4.75	0.83	0.00	4.74	1.96	0.00	1.17	1.17	34.19	0.00	1.18

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	1/1/2016	1/1/2016	5	1	

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 (Architectural Coating – sqft)

OffRoad Equipment

Phase Name	Offroad Equipment Type	Amount	Usage Hours	Horse Power	Load Factor
Demolition	Concrete/Industrial Saws	0	8.00	81	0.73
Demolition	Excavators	0	8.00	162	0.38
Demolition	Rubber Tired Dozers	0	8.00	255	0.40

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	0	0.00	0.00	0.00	0.00	0.00	20.00	LD_Mix	HDT_Mix	HHDT

3.1 Mitigation Measures Construction

3.2 Demolition - 2016

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

3.2 Demolition - 2016

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	0.0000	0.0000	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 Construction On-Site

[illegible]

3.2 Demolition - 2016

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	0.0000	0.0000	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

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					
Unmitigated	19.7722	429.9794	184.4630	1.3460	42.6974	8.3941	51.0915	11.8526	7.7224	19.5750		133,430.7588	133,430.7588	0.8864		133,449.3730
Mitigated	19.7722	429.9794	184.4630	1.3460	42.6974	8.3941	51.0915	11.8526	7.7224	19.5750		133,430.7588	133,430.7588	0.8864		133,449.3730

4.2 Trip Summary Information

Land Use	Average Daily Trip Rate			Unmitigated	Mitigated
	Weekday	Saturday	Sunday	Annual VMT	Annual VMT
Parking Lot	0.00	0.00	0.00		
Unrefrigerated Warehouse-No Rail	753.93	753.93	753.93	15,611,175	15,611,175
Refrigerated Warehouse-No Rail	111.20	111.20	111.20	2,302,543	2,302,543
Total	865.13	865.13	865.13	17,913,718	17,913,718

4.3 Trip Type Information

Land Use	Miles			Trip %			Trip Purpose %		
	H-W or C-W	H-S or C-C	H-O or C-NW	H-W or C-W	H-S or C-C	H-O or C-NW	Primary	Diverted	Pass-by
Parking Lot	16.60	8.40	6.90	0.00	0.00	0.00	0	0	0
Unrefrigerated Warehouse-No	61.00	8.40	6.90	100.00	0.00	0.00	92	5	3
Refrigerated Warehouse-No	61.00	8.40	6.90	100.00	0.00	0.00	92	5	3

LDA	LDT1	LDT2	MDV	LHD1	LHD2	MHD	HHD	OBUS	UBUS	MCY	SBUS	MH
0.000000	0.000000	0.000000	0.000000	0.220300	0.000000	0.176600	0.603100	0.000000	0.000000	0.000000	0.000000	0.000000

5.0 Energy Detail

2.4 Fleet Mix

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 Unmitigated	0.3258	2.9617	2.4878	0.0178		0.2251	0.2251		0.2251	0.2251		3,554.0325	3,554.0325	0.0681	0.0652	3,575.6618
NaturalGas Mitigated	0.3258	2.9617	2.4878	0.0178		0.2251	0.2251		0.2251	0.2251		3,554.0325	3,554.0325	0.0681	0.0652	3,575.6618

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					
Refrigerated Warehouse-No Pail	24446.6	0.2636	2.3967	2.0133	0.0144		0.1822	0.1822		0.1822	0.1822		2,876.0702	2,876.0702	0.0551	0.0527	2,893.5735
Unrefrigerated Warehouse-No Pail	5762.68	0.0622	0.5650	0.4746	3.3900e-003		0.0429	0.0429		0.0429	0.0429		677.9624	677.9624	0.0130	0.0124	682.0883
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		0.3258	2.9617	2.4878	0.0178		0.2251	0.2251		0.2251	0.2251		3,554.0326	3,554.0326	0.0681	0.0652	3,575.6618

5.2 Energy by Land Use - NaturalGas

Mitigated

	NaturalGas Use	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Land Use	kBTU/yr	lb/day										lb/day					
Unrefrigerated Warehouse-No Pail	5.76268	0.0622	0.5650	0.4746	3.3900e-003		0.0429	0.0429		0.0429	0.0429		677.9624	677.9624	0.0130	0.0124	682.0883
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
Refrigerated Warehouse-No Pail	24.4466	0.2636	2.3967	2.0133	0.0144		0.1822	0.1822		0.1822	0.1822		2,876.0702	2,876.0702	0.0551	0.0527	2,893.5735
Total		0.3258	2.9617	2.4878	0.0178		0.2251	0.2251		0.2251	0.2251		3,554.0326	3,554.0326	0.0681	0.0652	3,575.6618

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					
Unmitigated	46.4581	2.7000e-003	0.2848	2.0000e-005		1.0300e-003	1.0300e-003		1.0300e-003	1.0300e-003		0.5992	0.5992	1.6700e-003		0.6342
Mitigated	46.4581	2.7000e-003	0.2848	2.0000e-005		1.0300e-003	1.0300e-003		1.0300e-003	1.0300e-003		0.5992	0.5992	1.6700e-003		0.6342

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	8.6884					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Consumer Products	37.7422					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Landscaping	0.0275	2.7000e-003	0.2848	2.0000e-005		1.0300e-003	1.0300e-003		1.0300e-003	1.0300e-003		0.5992	0.5992	1.6700e-003		0.6342
Total	46.4581	2.7000e-003	0.2848	2.0000e-005		1.0300e-003	1.0300e-003		1.0300e-003	1.0300e-003		0.5992	0.5992	1.6700e-003		0.6342

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	8.6884					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Consumer Products	37.7422					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Landscaping	0.0275	2.7000e-003	0.2848	2.0000e-005		1.0300e-003	1.0300e-003		1.0300e-003	1.0300e-003		0.5992	0.5992	1.6700e-003		0.6342
Total	46.4581	2.7000e-003	0.2848	2.0000e-005		1.0300e-003	1.0300e-003		1.0300e-003	1.0300e-003		0.5992	0.5992	1.6700e-003		0.6342

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
Tractors/Loaders/Backhoes	5	4.00	365	200	0.37	Diesel

UnMitigated/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
Equipment Type	lb/day										lb/day					
Tractors/Loaders/Backhoes	0.9503	13.1839	4.2537	0.0159		0.4302	0.4302		0.3958	0.3958		1,621.1261	1,621.1261	0.4967		1,631.5570
Total	0.9503	13.1839	4.2537	0.0159		0.4302	0.4302		0.3958	0.3958		1,621.1261	1,621.1261	0.4967		1,631.5570

10.0 Vegetation

MoVal Logistics Center- Operational High Cube (Trucks)
Riverside-South Coast County, Winter

1.0 Project Characteristics

1.1 Land Usage

Land Uses	Size	Metric	Lot Acreage	Floor Surface Area	Population
Unrefrigerated Warehouse-No Rail	1,178.02	1000sqft	41.61	1,178,020.00	0
Parking Lot	1,386.00	Space	12.47	554,400.00	0
Refrigerated Warehouse-No Rail	173.75	1000sqft	4.62	173,750.00	0

1.2 Other Project Characteristics

Urbanization	Urban	Wind Speed (m/s)	2.4	Precipitation Freq (Days)	28
Climate Zone	10			Operational Year	2017
Utility Company	Southern California Edison				
CO2 Intensity (lb/MW hr)	515.47	CH4 Intensity (lb/MW hr)	0.029	N2O Intensity (lb/MW hr)	0.006

1.3 User Entered Comments & Non-Default Data

Project Characteristics - CPUC GHG Calculator version 3c, worksheet tab "CO2 Allocations," cells AH/AQ 35-44.

Land Use - Lot Acreage:58.7; Cold Storage takes into account 10% of total Project land uses (High Cube and Light Industrial)

Construction Phase - Operation run only

Off-road Equipment - Operational run only

Trips and VMT - Operational Run Only.

Vehicle Trips - ITE Truck Trip Rate for High-Cube Warehouse.

Vehicle Emission Factors - Trucks Only.

Vehicle Emission Factors - Trucks Only.

Vehicle Emission Factors - Trucks Only.

Area Coating -

Energy Use - Title-24 Electricity Energy Intensity and Title-24 Natural Gas Energy Intensity were adjusted by 21.8% and 16.8% respectively, to reflect 2013 Title 24 requirements. Source: Impact Analysis California's 2013 Building Energy Efficiency Standards (CEC 2013)

Water And Wastewater - Water usage based on 0.75 AFY per acre which is based on EMWD data for similar projects.

Operational Off-Road Equipment - based on CARB Cargo Handling Equipment Yard Truck Emission Testing Report. hours per day based on the Port of Long Beach Air Emissions Inventory (June 2008)

Table Name	Column Name	Default Value	New Value
tblConstructionPhase	NumDays	70.00	1.00
tblEnergyUse	T24E	0.45	0.35
tblEnergyUse	T24E	1.30	1.02
tblEnergyUse	T24NG	2.11	1.76
tblEnergyUse	T24NG	3.42	2.85
tblLandUse	LotAcreage	27.04	41.61
tblLandUse	LotAcreage	3.99	4.62
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	3.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	2.00	0.00
tblOperationalOffRoadEquipment	OperDaysPerYear	260.00	365.00
tblOperationalOffRoadEquipment	OperHorsePower	97.00	200.00

tblOperationalOffRoadEquipment	OperHoursPerDay	8.00	4.00
tblOperationalOffRoadEquipment	OperOffRoadEquipmentNumber	0.00	5.00
tblProjectCharacteristics	CO2IntensityFactor	630.89	515.47
tblProjectCharacteristics	OperationalYear	2014	2017
tblTripsAndVMT	VendorTripLength	6.90	0.00
tblTripsAndVMT	WorkerTripLength	14.70	0.00
tblVehicleEF	HHD	0.04	0.60
tblVehicleEF	HHD	0.04	0.60
tblVehicleEF	HHD	0.04	0.60
tblVehicleEF	LDA	0.46	0.00
tblVehicleEF	LDA	0.46	0.00
tblVehicleEF	LDA	0.46	0.00
tblVehicleEF	LDT1	0.07	0.00
tblVehicleEF	LDT1	0.07	0.00
tblVehicleEF	LDT1	0.07	0.00
tblVehicleEF	LDT2	0.18	0.00
tblVehicleEF	LDT2	0.18	0.00
tblVehicleEF	LDT2	0.18	0.00
tblVehicleEF	LHD1	0.05	0.22
tblVehicleEF	LHD1	0.05	0.22
tblVehicleEF	LHD1	0.05	0.22
tblVehicleEF	LHD2	7.3830e-003	0.00
tblVehicleEF	LHD2	7.3830e-003	0.00
tblVehicleEF	LHD2	7.3830e-003	0.00
tblVehicleEF	MCY	6.4540e-003	0.00
tblVehicleEF	MCY	6.4540e-003	0.00
tblVehicleEF	MCY	6.4540e-003	0.00
tblVehicleEF	MDV	0.17	0.00

tblVehicleEF	MDV	0.17	0.00
tblVehicleEF	MDV	0.17	0.00
tblVehicleEF	MH	3.2420e-003	0.00
tblVehicleEF	MH	3.2420e-003	0.00
tblVehicleEF	MH	3.2420e-003	0.00
tblVehicleEF	MHD	0.01	0.18
tblVehicleEF	MHD	0.01	0.18
tblVehicleEF	MHD	0.01	0.18
tblVehicleEF	OBUS	9.5400e-004	0.00
tblVehicleEF	OBUS	9.5400e-004	0.00
tblVehicleEF	OBUS	9.5400e-004	0.00
tblVehicleEF	SBUS	8.8400e-004	0.00
tblVehicleEF	SBUS	8.8400e-004	0.00
tblVehicleEF	SBUS	8.8400e-004	0.00
tblVehicleEF	UBUS	1.0560e-003	0.00
tblVehicleEF	UBUS	1.0560e-003	0.00
tblVehicleEF	UBUS	1.0560e-003	0.00
tblVehicleTrips	CNW_TTP	41.00	0.00
tblVehicleTrips	CNW_TTP	41.00	0.00
tblVehicleTrips	CW_TL	16.60	61.00
tblVehicleTrips	CW_TL	16.60	61.00
tblVehicleTrips	CW_TTP	59.00	100.00
tblVehicleTrips	CW_TTP	59.00	100.00
tblVehicleTrips	ST_TR	2.59	0.64
tblVehicleTrips	ST_TR	2.59	0.64
tblVehicleTrips	SU_TR	2.59	0.64
tblVehicleTrips	SU_TR	2.59	0.64
tblVehicleTrips	WD_TR	2.59	0.64

tblVehicleTrips	WD_TR	2.59	0.64
tblWater	IndoorWaterUseRate	272,417,125.00	12,501,696.00
tblWater	IndoorWaterUseRate	40,179,687.50	1,843,913.00

2.0 Emissions Summary

2.1 Overall Construction (Maximum Daily Emission)

Unmitigated Construction

[illegible]

Mitigated Construction

[illegible][illegible]

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	46.4581	2.7000e-003	0.2848	2.0000e-005		1.0300e-003	1.0300e-003		1.0300e-003	1.0300e-003		0.5992	0.5992	1.6700e-003		0.6342
Energy	0.3258	2.9617	2.4878	0.0178		0.2251	0.2251		0.2251	0.2251		3,554.0325	3,554.0325	0.0681	0.0652	3,575.6618
Mobile	20.1132	447.9493	194.2242	1.3450	42.6974	8.4011	51.0985	11.8526	7.7288	19.5814		133,311.4735	133,311.4735	0.8905		133,330.1738
Offroad	0.9503	13.1839	4.2537	0.0159		0.4302	0.4302		0.3958	0.3958		1,621.1261	1,621.1261	0.4967		1,631.5570
Total	67.8474	464.0976	201.2505	1.3786	42.6974	9.0574	51.7548	11.8526	8.3506	20.2033		138,487.2313	138,487.2313	1.4570	0.0652	138,538.0268

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	lb/day										lb/day					
Area	46.4581	2.7000e-003	0.2848	2.0000e-005		1.0300e-003	1.0300e-003		1.0300e-003	1.0300e-003		0.5992	0.5992	1.6700e-003		0.6342
Energy	0.3258	2.9617	2.4878	0.0178		0.2251	0.2251		0.2251	0.2251		3,554.0325	3,554.0325	0.0681	0.0652	3,575.6618
Mobile	20.1132	447.9493	194.2242	1.3450	42.6974	8.4011	51.0985	11.8526	7.7288	19.5814		133,311.4735	133,311.4735	0.8905		133,330.1738
Offroad	0.9503	13.1839	4.2537	0.0159		0.4302	0.4302		0.3958	0.3958		1,621.1261	1,621.1261	0.4967		1,631.5570
Total	67.8474	464.0976	201.2505	1.3786	42.6974	9.0574	51.7548	11.8526	8.3506	20.2033		138,487.2313	138,487.2313	1.4570	0.0652	138,538.0268

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N2O	CO2e
Percent Reduction	1.40	2.84	2.11	1.15	0.00	4.75	0.83	0.00	4.74	1.96	0.00	1.17	1.17	34.09	0.00	1.18

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	1/1/2016	1/1/2016	5	1	

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 (Architectural Coating – sqft)

OffRoad Equipment

Phase Name	Offroad Equipment Type	Amount	Usage Hours	Horse Power	Load Factor
Demolition	Concrete/Industrial Saws	0	8.00	81	0.73
Demolition	Excavators	0	8.00	162	0.38
Demolition	Rubber Tired Dozers	0	8.00	255	0.40

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	0	0.00	0.00	0.00	0.00	0.00	20.00	LD_Mix	HDT_Mix	HHDT

3.1 Mitigation Measures Construction

3.2 Demolition - 2016

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

3.2 Demolition - 2016

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	0.0000	0.0000	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 Construction On-Site

[illegible]

3.2 Demolition - 2016**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	0.0000	0.0000	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

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					
Unmitigated	20.1132	447.9493	194.2242	1.3450	42.6974	8.4011	51.0985	11.8526	7.7288	19.5814		133,311.4735	133,311.4735	0.8905		133,330.1738
Mitigated	20.1132	447.9493	194.2242	1.3450	42.6974	8.4011	51.0985	11.8526	7.7288	19.5814		133,311.4735	133,311.4735	0.8905		133,330.1738

4.2 Trip Summary Information

Land Use	Average Daily Trip Rate			Unmitigated	Mitigated
	Weekday	Saturday	Sunday	Annual VMT	Annual VMT
Parking Lot	0.00	0.00	0.00		
Unrefrigerated Warehouse-No Rail	753.93	753.93	753.93	15,611,175	15,611,175
Refrigerated Warehouse-No Rail	111.20	111.20	111.20	2,302,543	2,302,543
Total	865.13	865.13	865.13	17,913,718	17,913,718

4.3 Trip Type Information

Land Use	Miles			Trip %			Trip Purpose %		
	H-W or C-W	H-S or C-C	H-O or C-NW	H-W or C-W	H-S or C-C	H-O or C-NW	Primary	Diverted	Pass-by
Parking Lot	16.60	8.40	6.90	0.00	0.00	0.00	0	0	0
Unrefrigerated Warehouse-No	61.00	8.40	6.90	100.00	0.00	0.00	92	5	3
Refrigerated Warehouse-No	61.00	8.40	6.90	100.00	0.00	0.00	92	5	3

LDA	LDT1	LDT2	MDV	LHD1	LHD2	MHD	HHD	OBUS	UBUS	MCY	SBUS	MH
0.000000	0.000000	0.000000	0.000000	0.220300	0.000000	0.176600	0.603100	0.000000	0.000000	0.000000	0.000000	0.000000

5.0 Energy Detail

2.4 Fleet Mix

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 Unmitigated	0.3258	2.9617	2.4878	0.0178		0.2251	0.2251		0.2251	0.2251		3,554.0325	3,554.0325	0.0681	0.0652	3,575.6618
NaturalGas Mitigated	0.3258	2.9617	2.4878	0.0178		0.2251	0.2251		0.2251	0.2251		3,554.0325	3,554.0325	0.0681	0.0652	3,575.6618

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					
Refrigerated Warehouse-No Pail	24446.6	0.2636	2.3967	2.0133	0.0144		0.1822	0.1822		0.1822	0.1822		2,876.0702	2,876.0702	0.0551	0.0527	2,893.5735
Unrefrigerated Warehouse-No Pail	5762.68	0.0622	0.5650	0.4746	3.3900e-003		0.0429	0.0429		0.0429	0.0429		677.9624	677.9624	0.0130	0.0124	682.0883
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		0.3258	2.9617	2.4878	0.0178		0.2251	0.2251		0.2251	0.2251		3,554.0326	3,554.0326	0.0681	0.0652	3,575.6618

5.2 Energy by Land Use - NaturalGas

Mitigated

	NaturalGas Use	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Land Use	kBTU/yr	lb/day										lb/day					
Refrigerated Warehouse-No Pail	24.4466	0.2636	2.3967	2.0133	0.0144		0.1822	0.1822		0.1822	0.1822		2,876.0702	2,876.0702	0.0551	0.0527	2,893.5735
Unrefrigerated Warehouse-No Pail	5.76268	0.0622	0.5650	0.4746	3.3900e-003		0.0429	0.0429		0.0429	0.0429		677.9624	677.9624	0.0130	0.0124	682.0883
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		0.3258	2.9617	2.4878	0.0178		0.2251	0.2251		0.2251	0.2251		3,554.0326	3,554.0326	0.0681	0.0652	3,575.6618

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					
Unmitigated	46.4581	2.7000e-003	0.2848	2.0000e-005		1.0300e-003	1.0300e-003		1.0300e-003	1.0300e-003		0.5992	0.5992	1.6700e-003		0.6342
Mitigated	46.4581	2.7000e-003	0.2848	2.0000e-005		1.0300e-003	1.0300e-003		1.0300e-003	1.0300e-003		0.5992	0.5992	1.6700e-003		0.6342

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	8.6884					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Consumer Products	37.7422					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Landscaping	0.0275	2.7000e-003	0.2848	2.0000e-005		1.0300e-003	1.0300e-003		1.0300e-003	1.0300e-003		0.5992	0.5992	1.6700e-003		0.6342
Total	46.4581	2.7000e-003	0.2848	2.0000e-005		1.0300e-003	1.0300e-003		1.0300e-003	1.0300e-003		0.5992	0.5992	1.6700e-003		0.6342

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	8.6884					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Consumer Products	37.7422					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Landscaping	0.0275	2.7000e-003	0.2848	2.0000e-005		1.0300e-003	1.0300e-003		1.0300e-003	1.0300e-003		0.5992	0.5992	1.6700e-003		0.6342
Total	46.4581	2.7000e-003	0.2848	2.0000e-005		1.0300e-003	1.0300e-003		1.0300e-003	1.0300e-003		0.5992	0.5992	1.6700e-003		0.6342

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
Tractors/Loaders/Backhoes	5	4.00	365	200	0.37	Diesel

UnMitigated/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
Equipment Type	lb/day										lb/day					
Tractors/Loaders/Backhoes	0.9503	13.1839	4.2537	0.0159		0.4302	0.4302		0.3958	0.3958		1,621.1261	1,621.1261	0.4967		1,631.5570
Total	0.9503	13.1839	4.2537	0.0159		0.4302	0.4302		0.3958	0.3958		1,621.1261	1,621.1261	0.4967		1,631.5570

10.0 Vegetation

MoVal Logistics Center- Operational High Cube (Passenger Car)
Riverside-South Coast County, Summer

1.0 Project Characteristics

1.1 Land Usage

Land Uses	Size	Metric	Lot Acreage	Floor Surface Area	Population
Refrigerated Warehouse-No Rail	173.75	1000sqft	4.62	173,750.00	0
Unrefrigerated Warehouse-No Rail	1,178.02	1000sqft	41.61	1,178,020.00	0
Parking Lot	1,386.00	Space	12.47	554,400.00	0

1.2 Other Project Characteristics

Urbanization	Urban	Wind Speed (m/s)	2.4	Precipitation Freq (Days)	28
Climate Zone	10			Operational Year	2017
Utility Company	Southern California Edison				
CO2 Intensity (lb/MW hr)	515.4741	CH4 Intensity (lb/MW hr)	0.029	N2O Intensity (lb/MW hr)	0.006

1.3 User Entered Comments & Non-Default Data

Project Characteristics - CPUC GHG Calculator version 3c, worksheet tab "CO2 Allocation," cells AH/AQ 35-44.

Land Use - Lot Acreage:58.7; Cold Storage takes into account 10% of total Project land uses (High Cube and Light Industrial)

Construction Phase - Operation run only

Off-road Equipment - Operation run only

Trips and VMT - Operation run only

Vehicle Trips - ITE Passenger Cars Trip Rate for High-Cube Warehouse. For conservative analysis, C-W trip % changed to 100%.

Vehicle Emission Factors - Passenger Cars Only.

Vehicle Emission Factors - Passenger Cars Only.

Vehicle Emission Factors - Passenger Cars Only.

Area Coating -

Energy Use - Title-24 Electricity Energy Intensity and Title-24 Natural Gas Energy Intensity were adjusted by 21.8% and 16.8% respectively, to reflect 2013 Title 24 requirements. Source: Impact Analysis California's 2013 Building Energy Efficiency Standards (CEC 2013)

Water And Wastewater - Water usage based on 0.75 AFY per acre which is based on EMWD data for similar projects.

Operational Off-Road Equipment - based on CARB Cargo Handling Equipment Yard Truck Emission Testing Report. hours per day based on the Port of Long Beach Air Emissions Inventory (June 2008)

Table Name	Column Name	Default Value	New Value
tblConstructionPhase	NumDays	70.00	1.00
tblEnergyUse	T24E	1.30	1.02
tblEnergyUse	T24E	0.45	0.35
tblEnergyUse	T24NG	3.42	2.85
tblEnergyUse	T24NG	2.11	1.76
tblLandUse	LotAcreage	3.99	4.62
tblLandUse	LotAcreage	27.04	41.61
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	3.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	2.00	0.00
tblOperationalOffRoadEquipment	OperDaysPerYear	260.00	365.00
tblOperationalOffRoadEquipment	OperHorsePower	97.00	200.00

tblOperationalOffRoadEquipment	OperHoursPerDay	8.00	4.00
tblOperationalOffRoadEquipment	OperOffRoadEquipmentNumber	0.00	5.00
tblProjectCharacteristics	CO2IntensityFactor	630.89	515.4741
tblProjectCharacteristics	OperationalYear	2014	2017
tblTripsAndVMT	HaulingTripLength	20.00	0.00
tblTripsAndVMT	VendorTripLength	6.90	0.00
tblTripsAndVMT	WorkerTripLength	14.70	0.00
tblVehicleEF	HHD	0.04	0.00
tblVehicleEF	HHD	0.04	0.00
tblVehicleEF	HHD	0.04	0.00
tblVehicleEF	LDA	0.46	1.00
tblVehicleEF	LDA	0.46	1.00
tblVehicleEF	LDA	0.46	1.00
tblVehicleEF	LDT1	0.07	0.00
tblVehicleEF	LDT1	0.07	0.00
tblVehicleEF	LDT1	0.07	0.00
tblVehicleEF	LDT2	0.18	0.00
tblVehicleEF	LDT2	0.18	0.00
tblVehicleEF	LDT2	0.18	0.00
tblVehicleEF	LHD1	0.05	0.00
tblVehicleEF	LHD1	0.05	0.00
tblVehicleEF	LHD1	0.05	0.00
tblVehicleEF	LHD2	7.3830e-003	0.00
tblVehicleEF	LHD2	7.3830e-003	0.00
tblVehicleEF	LHD2	7.3830e-003	0.00
tblVehicleEF	MCY	6.4540e-003	0.00
tblVehicleEF	MCY	6.4540e-003	0.00
tblVehicleEF	MCY	6.4540e-003	0.00

tblVehicleEF	MDV	0.17	0.00
tblVehicleEF	MDV	0.17	0.00
tblVehicleEF	MDV	0.17	0.00
tblVehicleEF	MH	3.2420e-003	0.00
tblVehicleEF	MH	3.2420e-003	0.00
tblVehicleEF	MH	3.2420e-003	0.00
tblVehicleEF	MHD	0.01	0.00
tblVehicleEF	MHD	0.01	0.00
tblVehicleEF	MHD	0.01	0.00
tblVehicleEF	OBUS	9.5400e-004	0.00
tblVehicleEF	OBUS	9.5400e-004	0.00
tblVehicleEF	OBUS	9.5400e-004	0.00
tblVehicleEF	SBUS	8.8400e-004	0.00
tblVehicleEF	SBUS	8.8400e-004	0.00
tblVehicleEF	SBUS	8.8400e-004	0.00
tblVehicleEF	UBUS	1.0560e-003	0.00
tblVehicleEF	UBUS	1.0560e-003	0.00
tblVehicleEF	UBUS	1.0560e-003	0.00
tblVehicleTrips	CNW_TTP	41.00	0.00
tblVehicleTrips	CNW_TTP	41.00	0.00
tblVehicleTrips	CW_TTP	59.00	100.00
tblVehicleTrips	CW_TTP	59.00	100.00
tblVehicleTrips	ST_TR	2.59	1.04
tblVehicleTrips	ST_TR	2.59	1.04
tblVehicleTrips	SU_TR	2.59	1.04
tblVehicleTrips	SU_TR	2.59	1.04
tblVehicleTrips	WD_TR	2.59	1.04
tblVehicleTrips	WD_TR	2.59	1.04

tblWater	IndoorWaterUseRate	40,179,687.50	1,843,913.00
tblWater	IndoorWaterUseRate	272,417,125.00	12,501,696.00

2.0 Emissions Summary

2.1 Overall Construction (Maximum Daily Emission)

Unmitigated Construction

[illegible]

Mitigated Construction

[illegible]

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N2O	CO2e
Percent Reduction	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	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	46.4581	2.7000e-003	0.2848	2.0000e-005		1.0300e-003	1.0300e-003		1.0300e-003	1.0300e-003		0.5992	0.5992	1.6700e-003		0.6342
Energy	0.3258	2.9617	2.4878	0.0178		0.2251	0.2251		0.2251	0.2251		3,554.0325	3,554.0325	0.0681	0.0652	3,575.6618
Mobile	2.9820	3.7273	51.4152	0.1747	16.5359	0.0778	16.6136	4.3835	0.0717	4.4552		13,532.2083	13,532.2083	0.4631		13,541.9334
Offroad	0.9503	13.1839	4.2537	0.0159		0.4302	0.4302		0.3958	0.3958		1,621.1261	1,621.1261	0.4967		1,631.5570
Total	50.7162	19.8756	58.4415	0.2084	16.5359	0.7341	17.2699	4.3835	0.6936	5.0771		18,707.9661	18,707.9661	1.0296	0.0652	18,749.7864

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	lb/day										lb/day					
Area	46.4581	2.7000e-003	0.2848	2.0000e-005		1.0300e-003	1.0300e-003		1.0300e-003	1.0300e-003		0.5992	0.5992	1.6700e-003		0.6342
Energy	0.3258	2.9617	2.4878	0.0178		0.2251	0.2251		0.2251	0.2251		3,554.0325	3,554.0325	0.0681	0.0652	3,575.6618
Mobile	2.9820	3.7273	51.4152	0.1747	16.5359	0.0778	16.6136	4.3835	0.0717	4.4552		13,532.2083	13,532.2083	0.4631		13,541.9334
Offroad	0.9503	13.1839	4.2537	0.0159		0.4302	0.4302		0.3958	0.3958		1,621.1261	1,621.1261	0.4967		1,631.5570
Total	50.7162	19.8756	58.4415	0.2084	16.5359	0.7341	17.2699	4.3835	0.6936	5.0771		18,707.9661	18,707.9661	1.0296	0.0652	18,749.7864

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N2O	CO2e
Percent Reduction	1.87	66.33	7.28	7.61	0.00	58.60	2.49	0.00	57.06	7.80	0.00	8.67	8.67	48.24	0.00	8.70

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	1/1/2016	1/1/2016	5	1	

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 (Architectural Coating – sqft)

OffRoad Equipment

Phase Name	Offroad Equipment Type	Amount	Usage Hours	Horse Power	Load Factor
Demolition	Concrete/Industrial Saws	0	8.00	81	0.73
Demolition	Excavators	0	8.00	162	0.38
Demolition	Rubber Tired Dozers	0	8.00	255	0.40

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	0	0.00	0.00	0.00	0.00	0.00	0.00	LD_Mix	HDT_Mix	HHDT

3.1 Mitigation Measures Construction

3.2 Demolition - 2016

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

3.2 Demolition - 2016

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	0.0000	0.0000	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 Construction On-Site

[illegible]

3.2 Demolition - 2016

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	0.0000	0.0000	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

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					
Unmitigated	2.9820	3.7273	51.4152	0.1747	16.5359	0.0778	16.6136	4.3835	0.0717	4.4552		13,532.2083	13,532.2083	0.4631		13,541.9334
Mitigated	2.9820	3.7273	51.4152	0.1747	16.5359	0.0778	16.6136	4.3835	0.0717	4.4552		13,532.2083	13,532.2083	0.4631		13,541.9334

4.2 Trip Summary Information

Land Use	Average Daily Trip Rate			Unmitigated	Mitigated
	Weekday	Saturday	Sunday	Annual VMT	Annual VMT
Parking Lot	0.00	0.00	0.00		
Refrigerated Warehouse-No Rail	180.70	180.70	180.70	1,018,358	1,018,358
Unrefrigerated Warehouse-No Rail	1,225.14	1,225.14	1,225.14	6,904,440	6,904,440
Total	1,405.84	1,405.84	1,405.84	7,922,799	7,922,799

4.3 Trip Type Information

Land Use	Miles			Trip %			Trip Purpose %		
	H-W or C-W	H-S or C-C	H-O or C-NW	H-W or C-W	H-S or C-C	H-O or C-NW	Primary	Diverted	Pass-by
Parking Lot	16.60	8.40	6.90	0.00	0.00	0.00	0	0	0
Refrigerated Warehouse-No	16.60	8.40	6.90	100.00	0.00	0.00	92	5	3
Unrefrigerated Warehouse-No	16.60	8.40	6.90	100.00	0.00	0.00	92	5	3

LDA	LDT1	LDT2	MDV	LHD1	LHD2	MHD	HHD	OBUS	UBUS	MCY	SBUS	MH
1.000000	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000

5.0 Energy Detail

4.4 Fleet Mix

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 Unmitigated	0.3258	2.9617	2.4878	0.0178		0.2251	0.2251		0.2251	0.2251		3,554.0325	3,554.0325	0.0681	0.0652	3,575.6618
NaturalGas Mitigated	0.3258	2.9617	2.4878	0.0178		0.2251	0.2251		0.2251	0.2251		3,554.0325	3,554.0325	0.0681	0.0652	3,575.6618

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					
Refrigerated Warehouse-No Pail	24446.6	0.2636	2.3967	2.0133	0.0144		0.1822	0.1822		0.1822	0.1822		2,876.0702	2,876.0702	0.0551	0.0527	2,893.5735
Unrefrigerated Warehouse-No Pail	5762.68	0.0622	0.5650	0.4746	3.3900e-003		0.0429	0.0429		0.0429	0.0429		677.9624	677.9624	0.0130	0.0124	682.0883
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		0.3258	2.9617	2.4878	0.0178		0.2251	0.2251		0.2251	0.2251		3,554.0326	3,554.0326	0.0681	0.0652	3,575.6618

5.2 Energy by Land Use - NaturalGas

Mitigated

	NaturalGas Use	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Land Use	kBTU/yr	lb/day										lb/day					
Unrefrigerated Warehouse-No Pail	5.76268	0.0622	0.5650	0.4746	3.3900e-003		0.0429	0.0429		0.0429	0.0429		677.9624	677.9624	0.0130	0.0124	682.0883
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
Refrigerated Warehouse-No Pail	24.4466	0.2636	2.3967	2.0133	0.0144		0.1822	0.1822		0.1822	0.1822		2,876.0702	2,876.0702	0.0551	0.0527	2,893.5735
Total		0.3258	2.9617	2.4878	0.0178		0.2251	0.2251		0.2251	0.2251		3,554.0326	3,554.0326	0.0681	0.0652	3,575.6618

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					
Unmitigated	46.4581	2.7000e-003	0.2848	2.0000e-005		1.0300e-003	1.0300e-003		1.0300e-003	1.0300e-003		0.5992	0.5992	1.6700e-003		0.6342
Mitigated	46.4581	2.7000e-003	0.2848	2.0000e-005		1.0300e-003	1.0300e-003		1.0300e-003	1.0300e-003		0.5992	0.5992	1.6700e-003		0.6342

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	8.6884					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Consumer Products	37.7422					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Landscaping	0.0275	2.7000e-003	0.2848	2.0000e-005		1.0300e-003	1.0300e-003		1.0300e-003	1.0300e-003		0.5992	0.5992	1.6700e-003		0.6342
Total	46.4581	2.7000e-003	0.2848	2.0000e-005		1.0300e-003	1.0300e-003		1.0300e-003	1.0300e-003		0.5992	0.5992	1.6700e-003		0.6342

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	8.6884					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Consumer Products	37.7422					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Landscaping	0.0275	2.7000e-003	0.2848	2.0000e-005		1.0300e-003	1.0300e-003		1.0300e-003	1.0300e-003		0.5992	0.5992	1.6700e-003		0.6342
Total	46.4581	2.7000e-003	0.2848	2.0000e-005		1.0300e-003	1.0300e-003		1.0300e-003	1.0300e-003		0.5992	0.5992	1.6700e-003		0.6342

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
Tractors/Loaders/Backhoes	5	4.00	365	200	0.37	Diesel

UnMitigated/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
Equipment Type	lb/day										lb/day					
Tractors/Loaders/Backhoes	0.9503	13.1839	4.2537	0.0159		0.4302	0.4302		0.3958	0.3958		1,621.1261	1,621.1261	0.4967		1,631.5570
Total	0.9503	13.1839	4.2537	0.0159		0.4302	0.4302		0.3958	0.3958		1,621.1261	1,621.1261	0.4967		1,631.5570

10.0 Vegetation

MoVal Logistics Center- Operational High Cube (Passenger Car)
Riverside-South Coast County, Winter

1.0 Project Characteristics

1.1 Land Usage

Land Uses	Size	Metric	Lot Acreage	Floor Surface Area	Population
Refrigerated Warehouse-No Rail	173.75	1000sqft	4.62	173,750.00	0
Unrefrigerated Warehouse-No Rail	1,178.02	1000sqft	41.61	1,178,020.00	0
Parking Lot	1,386.00	Space	12.47	554,400.00	0

1.2 Other Project Characteristics

Urbanization	Urban	Wind Speed (m/s)	2.4	Precipitation Freq (Days)	28
Climate Zone	10			Operational Year	2017
Utility Company	Southern California Edison				
CO2 Intensity (lb/MWhr)	515.4741	CH4 Intensity (lb/MWhr)	0.029	N2O Intensity (lb/MWhr)	0.006

1.3 User Entered Comments & Non-Default Data

Project Characteristics - CPUC GHG Calculator version 3c, worksheet tab "CO2 Allocation," cells AH/AQ 35-44.

Land Use - Lot Acreage:58.7; Cold Storage takes into account 10% of total Project land uses (High Cube and Light Industrial)

Construction Phase - Operation run only

Off-road Equipment - Operation run only

Trips and VMT - Operation run only

Vehicle Trips - ITE Passenger Cars Trip Rate for High-Cube Warehouse. For conservative analysis, C-W trip % changed to 100%.

Vehicle Emission Factors - Passenger Cars Only.

Vehicle Emission Factors - Passenger Cars Only.

Vehicle Emission Factors - Passenger Cars Only.

Area Coating -

Energy Use - Title-24 Electricity Energy Intensity and Title-24 Natural Gas Energy Intensity were adjusted by 21.8% and 16.8% respectively, to reflect 2013 Title 24 requirements. Source: Impact Analysis California's 2013 Building Energy Efficiency Standards (CEC 2013)

Water And Wastewater - Water usage based on 0.75 AFY per acre which is based on EMWD data for similar projects.

Operational Off-Road Equipment - based on CARB Cargo Handling Equipment Yard Truck Emission Testing Report. hours per day based on the Port of Long Beach Air Emissions Inventory (June 2008)

Table Name	Column Name	Default Value	New Value
tblConstructionPhase	NumDays	70.00	1.00
tblEnergyUse	T24E	1.30	1.02
tblEnergyUse	T24E	0.45	0.35
tblEnergyUse	T24NG	3.42	2.85
tblEnergyUse	T24NG	2.11	1.76
tblLandUse	LotAcreage	3.99	4.62
tblLandUse	LotAcreage	27.04	41.61
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	3.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	2.00	0.00
tblOperationalOffRoadEquipment	OperDaysPerYear	260.00	365.00
tblOperationalOffRoadEquipment	OperHorsePower	97.00	200.00

tblOperationalOffRoadEquipment	OperHoursPerDay	8.00	4.00
tblOperationalOffRoadEquipment	OperOffRoadEquipmentNumber	0.00	5.00
tblProjectCharacteristics	CO2IntensityFactor	630.89	515.4741
tblProjectCharacteristics	OperationalYear	2014	2017
tblTripsAndVMT	HaulingTripLength	20.00	0.00
tblTripsAndVMT	VendorTripLength	6.90	0.00
tblTripsAndVMT	WorkerTripLength	14.70	0.00
tblVehicleEF	HHD	0.04	0.00
tblVehicleEF	HHD	0.04	0.00
tblVehicleEF	HHD	0.04	0.00
tblVehicleEF	LDA	0.46	1.00
tblVehicleEF	LDA	0.46	1.00
tblVehicleEF	LDA	0.46	1.00
tblVehicleEF	LDT1	0.07	0.00
tblVehicleEF	LDT1	0.07	0.00
tblVehicleEF	LDT1	0.07	0.00
tblVehicleEF	LDT2	0.18	0.00
tblVehicleEF	LDT2	0.18	0.00
tblVehicleEF	LDT2	0.18	0.00
tblVehicleEF	LHD1	0.05	0.00
tblVehicleEF	LHD1	0.05	0.00
tblVehicleEF	LHD1	0.05	0.00
tblVehicleEF	LHD2	7.3830e-003	0.00
tblVehicleEF	LHD2	7.3830e-003	0.00
tblVehicleEF	LHD2	7.3830e-003	0.00
tblVehicleEF	MCY	6.4540e-003	0.00
tblVehicleEF	MCY	6.4540e-003	0.00
tblVehicleEF	MCY	6.4540e-003	0.00

tblVehicleEF	MDV	0.17	0.00
tblVehicleEF	MDV	0.17	0.00
tblVehicleEF	MDV	0.17	0.00
tblVehicleEF	MH	3.2420e-003	0.00
tblVehicleEF	MH	3.2420e-003	0.00
tblVehicleEF	MH	3.2420e-003	0.00
tblVehicleEF	MHD	0.01	0.00
tblVehicleEF	MHD	0.01	0.00
tblVehicleEF	MHD	0.01	0.00
tblVehicleEF	OBUS	9.5400e-004	0.00
tblVehicleEF	OBUS	9.5400e-004	0.00
tblVehicleEF	OBUS	9.5400e-004	0.00
tblVehicleEF	SBUS	8.8400e-004	0.00
tblVehicleEF	SBUS	8.8400e-004	0.00
tblVehicleEF	SBUS	8.8400e-004	0.00
tblVehicleEF	UBUS	1.0560e-003	0.00
tblVehicleEF	UBUS	1.0560e-003	0.00
tblVehicleEF	UBUS	1.0560e-003	0.00
tblVehicleTrips	CNW_TTP	41.00	0.00
tblVehicleTrips	CNW_TTP	41.00	0.00
tblVehicleTrips	CW_TTP	59.00	100.00
tblVehicleTrips	CW_TTP	59.00	100.00
tblVehicleTrips	ST_TR	2.59	1.04
tblVehicleTrips	ST_TR	2.59	1.04
tblVehicleTrips	SU_TR	2.59	1.04
tblVehicleTrips	SU_TR	2.59	1.04
tblVehicleTrips	WD_TR	2.59	1.04
tblVehicleTrips	WD_TR	2.59	1.04

tblWater	IndoorWaterUseRate	40,179,687.50	1,843,913.00
tblWater	IndoorWaterUseRate	272,417,125.00	12,501,696.00

2.0 Emissions Summary

2.1 Overall Construction (Maximum Daily Emission)

Unmitigated Construction

[illegible]

Mitigated Construction

[illegible]

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N2O	CO2e
Percent Reduction	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	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	46.4581	2.7000e-003	0.2848	2.0000e-005		1.0300e-003	1.0300e-003		1.0300e-003	1.0300e-003		0.5992	0.5992	1.6700e-003		0.6342
Energy	0.3258	2.9617	2.4878	0.0178		0.2251	0.2251		0.2251	0.2251		3,554.0325	3,554.0325	0.0681	0.0652	3,575.6618
Mobile	2.7817	3.9444	43.5173	0.1591	16.5359	0.0778	16.6136	4.3835	0.0717	4.4552		12,337.6639	12,337.6639	0.4631		12,347.3890
Offroad	0.9503	13.1839	4.2537	0.0159		0.4302	0.4302		0.3958	0.3958		1,621.1261	1,621.1261	0.4967		1,631.5570
Total	50.5159	20.0927	50.5437	0.1927	16.5359	0.7341	17.2699	4.3835	0.6936	5.0771		17,513.4217	17,513.4217	1.0296	0.0652	17,555.2420

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	lb/day										lb/day					
Area	46.4581	2.7000e-003	0.2848	2.0000e-005		1.0300e-003	1.0300e-003		1.0300e-003	1.0300e-003		0.5992	0.5992	1.6700e-003		0.6342
Energy	0.3258	2.9617	2.4878	0.0178		0.2251	0.2251		0.2251	0.2251		3,554.0325	3,554.0325	0.0681	0.0652	3,575.6618
Mobile	2.7817	3.9444	43.5173	0.1591	16.5359	0.0778	16.6136	4.3835	0.0717	4.4552		12,337.6639	12,337.6639	0.4631		12,347.3890
Offroad	0.9503	13.1839	4.2537	0.0159		0.4302	0.4302		0.3958	0.3958		1,621.1261	1,621.1261	0.4967		1,631.5570
Total	50.5159	20.0927	50.5437	0.1927	16.5359	0.7341	17.2699	4.3835	0.6936	5.0771		17,513.4217	17,513.4217	1.0296	0.0652	17,555.2420

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N2O	CO2e
Percent Reduction	1.88	65.62	8.42	8.23	0.00	58.60	2.49	0.00	57.06	7.80	0.00	9.26	9.26	48.24	0.00	9.29

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	1/1/2016	1/1/2016	5	1	

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 (Architectural Coating – sqft)

OffRoad Equipment

Phase Name	Offroad Equipment Type	Amount	Usage Hours	Horse Power	Load Factor
Demolition	Concrete/Industrial Saws	0	8.00	81	0.73
Demolition	Excavators	0	8.00	162	0.38
Demolition	Rubber Tired Dozers	0	8.00	255	0.40

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	0	0.00	0.00	0.00	0.00	0.00	0.00	LD_Mix	HDT_Mix	HHDT

3.1 Mitigation Measures Construction

3.2 Demolition - 2016

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

3.2 Demolition - 2016

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	0.0000	0.0000	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 Construction On-Site

[illegible]

3.2 Demolition - 2016

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	0.0000	0.0000	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

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					
Unmitigated	2.7817	3.9444	43.5173	0.1591	16.5359	0.0778	16.6136	4.3835	0.0717	4.4552		12,337.66 39	12,337.66 39	0.4631		12,347.38 90
Mitigated	2.7817	3.9444	43.5173	0.1591	16.5359	0.0778	16.6136	4.3835	0.0717	4.4552		12,337.66 39	12,337.66 39	0.4631		12,347.38 90

4.2 Trip Summary Information

Land Use	Average Daily Trip Rate			Unmitigated	Mitigated
	Weekday	Saturday	Sunday	Annual VMT	Annual VMT
Parking Lot	0.00	0.00	0.00		
Refrigerated Warehouse-No Rail	180.70	180.70	180.70	1,018,358	1,018,358
Unrefrigerated Warehouse-No Rail	1,225.14	1,225.14	1,225.14	6,904,440	6,904,440
Total	1,405.84	1,405.84	1,405.84	7,922,799	7,922,799

4.3 Trip Type Information

Land Use	Miles			Trip %			Trip Purpose %		
	H-W or C-W	H-S or C-C	H-O or C-NW	H-W or C-W	H-S or C-C	H-O or C-NW	Primary	Diverted	Pass-by
Parking Lot	16.60	8.40	6.90	0.00	0.00	0.00	0	0	0
Refrigerated Warehouse-No	16.60	8.40	6.90	100.00	0.00	0.00	92	5	3
Unrefrigerated Warehouse-No	16.60	8.40	6.90	100.00	0.00	0.00	92	5	3

LDA	LDT1	LDT2	MDV	LHD1	LHD2	MHD	HHD	OBUS	UBUS	MCY	SBUS	MH
1.000000	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000

5.0 Energy Detail

5.1 Fleet Mix

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 Unmitigated	0.3258	2.9617	2.4878	0.0178		0.2251	0.2251		0.2251	0.2251		3,554.0325	3,554.0325	0.0681	0.0652	3,575.6618
NaturalGas Mitigated	0.3258	2.9617	2.4878	0.0178		0.2251	0.2251		0.2251	0.2251		3,554.0325	3,554.0325	0.0681	0.0652	3,575.6618

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					
Refrigerated Warehouse-No Pail	24446.6	0.2636	2.3967	2.0133	0.0144		0.1822	0.1822		0.1822	0.1822		2,876.0702	2,876.0702	0.0551	0.0527	2,893.5735
Unrefrigerated Warehouse-No Pail	5762.68	0.0622	0.5650	0.4746	3.3900e-003		0.0429	0.0429		0.0429	0.0429		677.9624	677.9624	0.0130	0.0124	682.0883
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		0.3258	2.9617	2.4878	0.0178		0.2251	0.2251		0.2251	0.2251		3,554.0326	3,554.0326	0.0681	0.0652	3,575.6618

5.2 Energy by Land Use - NaturalGas

Mitigated

	NaturalGas Use	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Land Use	kBTU/yr	lb/day										lb/day					
Refrigerated Warehouse-No Pail	24.4466	0.2636	2.3967	2.0133	0.0144		0.1822	0.1822		0.1822	0.1822		2,876.0702	2,876.0702	0.0551	0.0527	2,893.5735
Unrefrigerated Warehouse-No Pail	5.76268	0.0622	0.5650	0.4746	3.3900e-003		0.0429	0.0429		0.0429	0.0429		677.9624	677.9624	0.0130	0.0124	682.0883
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		0.3258	2.9617	2.4878	0.0178		0.2251	0.2251		0.2251	0.2251		3,554.0326	3,554.0326	0.0681	0.0652	3,575.6618

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					
Unmitigated	46.4581	2.7000e-003	0.2848	2.0000e-005		1.0300e-003	1.0300e-003		1.0300e-003	1.0300e-003		0.5992	0.5992	1.6700e-003		0.6342
Mitigated	46.4581	2.7000e-003	0.2848	2.0000e-005		1.0300e-003	1.0300e-003		1.0300e-003	1.0300e-003		0.5992	0.5992	1.6700e-003		0.6342

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	8.6884					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Consumer Products	37.7422					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Landscaping	0.0275	2.7000e-003	0.2848	2.0000e-005		1.0300e-003	1.0300e-003		1.0300e-003	1.0300e-003		0.5992	0.5992	1.6700e-003		0.6342
Total	46.4581	2.7000e-003	0.2848	2.0000e-005		1.0300e-003	1.0300e-003		1.0300e-003	1.0300e-003		0.5992	0.5992	1.6700e-003		0.6342

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	8.6884					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Consumer Products	37.7422					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Landscaping	0.0275	2.7000e-003	0.2848	2.0000e-005		1.0300e-003	1.0300e-003		1.0300e-003	1.0300e-003		0.5992	0.5992	1.6700e-003		0.6342
Total	46.4581	2.7000e-003	0.2848	2.0000e-005		1.0300e-003	1.0300e-003		1.0300e-003	1.0300e-003		0.5992	0.5992	1.6700e-003		0.6342

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
Tractors/Loaders/Backhoes	5	4.00	365	200	0.37	Diesel

UnMitigated/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
Equipment Type	lb/day										lb/day					
Tractors/Loaders/Backhoes	0.9503	13.1839	4.2537	0.0159		0.4302	0.4302		0.3958	0.3958		1,621.1261	1,621.1261	0.4967		1,631.5570
Total	0.9503	13.1839	4.2537	0.0159		0.4302	0.4302		0.3958	0.3958		1,621.1261	1,621.1261	0.4967		1,631.5570

10.0 Vegetation

MoVal Logistics Center- Operations Light Industrial (Trucks)
Riverside-South Coast County, Summer

1.0 Project Characteristics

1.1 Land Usage

Land Uses	Size	Metric	Lot Acreage	Floor Surface Area	Population
General Light Industry	122.52	1000sqft	5.27	122,516.00	0
General Light Industry	97.22	1000sqft	4.61	97,222.00	0
General Light Industry	166.01	1000sqft	6.83	166,010.00	0
Parking Lot	187.00	Space	1.68	74,800.00	0
Parking Lot	220.00	Space	1.98	88,000.00	0
Parking Lot	205.00	Space	1.84	82,000.00	0

1.2 Other Project Characteristics

Urbanization	Urban	Wind Speed (m/s)	2.4	Precipitation Freq (Days)	28
Climate Zone	10			Operational Year	2017
Utility Company	Southern California Edison				
CO2 Intensity (lb/MWhr)	515.47	CH4 Intensity (lb/MWhr)	0.029	N2O Intensity (lb/MWhr)	0.006

1.3 User Entered Comments & Non-Default Data

Project Characteristics - CPUC GHG Calculator version 3c, worksheet tab "CO2 Allocations," cells AH/AQ 35-44.

Land Use - Lot Acreage (Light Industrial Buildings 2,3,4):22.21

Construction Phase -

Off-road Equipment - Operational Run Only.

Trips and VMT - Operational Run Only.

Vehicle Trips - Truck Trip Rate based on Traffic Study

Vehicle Emission Factors - Trucks Only; Information derived from Traffic Study.

Vehicle Emission Factors - Trucks Only; Information derived from Traffic Study.

Vehicle Emission Factors - Trucks Only; Information derived from Traffic Study.

Energy Use - Title-24 Electricity Energy Intensity and Title-24 Natural Gas Energy Intensity were adjusted by 21.8% and 16.8% respectively, to reflect 2013 Title 24 requirements. Source: Impact Analysis California's 2013 Building Energy Efficiency Standards (CEC 2013)

Water And Wastewater - Water usage based on 0.75 AFY per acre which is based on EMWD data for similar projects.

Operational Off-Road Equipment - based on CARB Cargo Handling Equipment Yard Truck Emission Testing Report. hours per day based on the Port of Long Beach Air Emissions Inventory (June 2008)

Table Name	Column Name	Default Value	New Value
tblEnergyUse	T24E	2.69	2.10
tblEnergyUse	T24NG	16.16	13.45
tblLandUse	LandUseSquareFeet	122,520.00	122,516.00
tblLandUse	LandUseSquareFeet	97,220.00	97,222.00
tblLandUse	LotAcreage	2.81	5.27
tblLandUse	LotAcreage	3.81	6.83
tblLandUse	LotAcreage	2.23	4.61
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	3.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	2.00	0.00
tblOperationalOffRoadEquipment	OperDaysPerYear	260.00	365.00
tblOperationalOffRoadEquipment	OperHorsePower	97.00	200.00
tblOperationalOffRoadEquipment	OperHoursPerDay	8.00	4.00

tblOperationalOffRoadEquipment	OperOffRoadEquipmentNumber	0.00	2.00
tblProjectCharacteristics	CO2IntensityFactor	630.89	515.47
tblProjectCharacteristics	OperationalYear	2014	2017
tblTripsAndVMT	VendorTripLength	6.90	0.00
tblTripsAndVMT	WorkerTripLength	14.70	0.00
tblVehicleEF	HHD	0.04	0.44
tblVehicleEF	HHD	0.04	0.44
tblVehicleEF	HHD	0.04	0.44
tblVehicleEF	LDA	0.46	0.00
tblVehicleEF	LDA	0.46	0.00
tblVehicleEF	LDA	0.46	0.00
tblVehicleEF	LDT1	0.07	0.00
tblVehicleEF	LDT1	0.07	0.00
tblVehicleEF	LDT1	0.07	0.00
tblVehicleEF	LDT2	0.18	0.00
tblVehicleEF	LDT2	0.18	0.00
tblVehicleEF	LDT2	0.18	0.00
tblVehicleEF	LHD1	0.05	0.37
tblVehicleEF	LHD1	0.05	0.37
tblVehicleEF	LHD1	0.05	0.37
tblVehicleEF	LHD2	7.3830e-003	0.00
tblVehicleEF	LHD2	7.3830e-003	0.00
tblVehicleEF	LHD2	7.3830e-003	0.00
tblVehicleEF	MCY	6.4540e-003	0.00
tblVehicleEF	MCY	6.4540e-003	0.00
tblVehicleEF	MCY	6.4540e-003	0.00
tblVehicleEF	MDV	0.17	0.00
tblVehicleEF	MDV	0.17	0.00

tblVehicleEF	MDV	0.17	0.00
tblVehicleEF	MH	3.2420e-003	0.00
tblVehicleEF	MH	3.2420e-003	0.00
tblVehicleEF	MH	3.2420e-003	0.00
tblVehicleEF	MHD	0.01	0.18
tblVehicleEF	MHD	0.01	0.18
tblVehicleEF	MHD	0.01	0.18
tblVehicleEF	OBUS	9.5400e-004	0.00
tblVehicleEF	OBUS	9.5400e-004	0.00
tblVehicleEF	OBUS	9.5400e-004	0.00
tblVehicleEF	SBUS	8.8400e-004	0.00
tblVehicleEF	SBUS	8.8400e-004	0.00
tblVehicleEF	SBUS	8.8400e-004	0.00
tblVehicleEF	UBUS	1.0560e-003	0.00
tblVehicleEF	UBUS	1.0560e-003	0.00
tblVehicleEF	UBUS	1.0560e-003	0.00
tblVehicleTrips	CC_TTP	28.00	0.00
tblVehicleTrips	CNW_TTP	13.00	0.00
tblVehicleTrips	CW_TL	16.60	61.00
tblVehicleTrips	CW_TTP	59.00	100.00
tblVehicleTrips	ST_TR	1.32	1.49
tblVehicleTrips	SU_TR	0.68	1.49
tblVehicleTrips	WD_TR	6.97	1.49
tblWater	IndoorWaterUseRate	89,204,687.50	5,427,870.00

2.0 Emissions Summary

2.1 Overall Construction (Maximum Daily Emission)

Unmitigated Construction

[illegible]

Mitigated Construction

[illegible][illegible]

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	14.9907	9.8000e-004	0.1038	1.0000e-005		3.7000e-004	3.7000e-004		3.7000e-004	3.7000e-004		0.2184	0.2184	6.1000e-004		0.2311
Energy	0.3485	3.1685	2.6615	0.0190		0.2408	0.2408		0.2408	0.2408		3,802.1511	3,802.1511	0.0729	0.0697	3,825.2904
Mobile	11.2750	244.1738	107.1268	0.7757	27.9996	4.5520	32.5516	7.7694	4.1877	11.9571		76,675.4233	76,675.4233	0.5762		76,687.5239
Offroad	0.3801	5.2736	1.7015	6.3400e-003		0.1721	0.1721		0.1583	0.1583		648.4504	648.4504	0.1987		652.6228
Total	26.9944	252.6168	111.5936	0.8010	27.9996	4.9652	32.9648	7.7694	4.5872	12.3566		81,126.2432	81,126.2432	0.8484	0.0697	81,165.6682

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	lb/day										lb/day					
Area	14.9907	9.8000e-004	0.1038	1.0000e-005		3.7000e-004	3.7000e-004		3.7000e-004	3.7000e-004		0.2184	0.2184	6.1000e-004		0.2311
Energy	0.3485	3.1685	2.6615	0.0190		0.2408	0.2408		0.2408	0.2408		3,802.1511	3,802.1511	0.0729	0.0697	3,825.2904
Mobile	11.2750	244.1738	107.1268	0.7757	27.9996	4.5520	32.5516	7.7694	4.1877	11.9571		76,675.4233	76,675.4233	0.5762		76,687.5239
Offroad	0.3801	5.2736	1.7015	6.3400e-003		0.1721	0.1721		0.1583	0.1583		648.4504	648.4504	0.1987		652.6228
Total	26.9944	252.6168	111.5936	0.8010	27.9996	4.9652	32.9648	7.7694	4.5872	12.3566		81,126.2432	81,126.2432	0.8484	0.0697	81,165.6682

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N2O	CO2e
Percent Reduction	1.41	2.09	1.52	0.79	0.00	3.47	0.52	0.00	3.45	1.28	0.00	0.80	0.80	23.42	0.00	0.80

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	1/1/2016	1/28/2016	5	20	

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 (Architectural Coating – sqft)

OffRoad Equipment

Phase Name	Offroad Equipment Type	Amount	Usage Hours	Horse Power	Load Factor
Demolition	Concrete/Industrial Saws	0	8.00	81	0.73
Demolition	Excavators	0	8.00	162	0.38
Demolition	Rubber Tired Dozers	0	8.00	255	0.40

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	0	0.00	0.00	0.00	0.00	0.00	20.00	LD_Mix	HDT_Mix	HHDT

3.1 Mitigation Measures Construction

3.2 Demolition - 2016

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

3.2 Demolition - 2016

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	0.0000	0.0000	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 Construction On-Site

[illegible]

3.2 Demolition - 2016

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	0.0000	0.0000	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

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					
Unmitigated	11.2750	244.1738	107.1268	0.7757	27.9996	4.5520	32.5516	7.7694	4.1877	11.9571		76,675.42 33	76,675.42 33	0.5762		76,687.52 39
Mitigated	11.2750	244.1738	107.1268	0.7757	27.9996	4.5520	32.5516	7.7694	4.1877	11.9571		76,675.42 33	76,675.42 33	0.5762		76,687.52 39

4.2 Trip Summary Information

Land Use	Average Daily Trip Rate			Unmitigated	Mitigated
	Weekday	Saturday	Sunday	Annual VMT	Annual VMT
General Light Industry	182.55	182.55	182.55	3,780,038	3,780,038
General Light Industry	144.86	144.86	144.86	2,999,472	2,999,472
General Light Industry	247.35	247.35	247.35	5,121,810	5,121,810
Parking Lot	0.00	0.00	0.00		
Parking Lot	0.00	0.00	0.00		
Parking Lot	0.00	0.00	0.00		
Total	574.77	574.77	574.77	11,901,321	11,901,321

4.3 Trip Type Information

Land Use	Miles			Trip %			Trip Purpose %		
	H-W or C-W	H-S or C-C	H-O or C-NW	H-W or C-W	H-S or C-C	H-O or C-NW	Primary	Diverted	Pass-by
General Light Industry	61.00	8.40	6.90	100.00	0.00	0.00	92	5	3
General Light Industry	61.00	8.40	6.90	100.00	0.00	0.00	92	5	3
General Light Industry	61.00	8.40	6.90	100.00	0.00	0.00	92	5	3
Parking Lot	16.60	8.40	6.90	0.00	0.00	0.00	0	0	0
Parking Lot	16.60	8.40	6.90	0.00	0.00	0.00	0	0	0
Parking Lot	16.60	8.40	6.90	0.00	0.00	0.00	0	0	0

LDA	LDT1	LDT2	MDV	LHD1	LHD2	MHD	HHD	OBUS	UBUS	MCY	SBUS	MH
0.000000	0.000000	0.000000	0.000000	0.374000	0.000000	0.182300	0.443700	0.000000	0.000000	0.000000	0.000000	0.000000

5.0 Energy Detail

2.4 Fleet Mix

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 Unmitigated	0.3485	3.1685	2.6615	0.0190		0.2408	0.2408		0.2408	0.2408		3,802.151 1	3,802.151 1	0.0729	0.0697	3,825.290 4
NaturalGas Mitigated	0.3485	3.1685	2.6615	0.0190		0.2408	0.2408		0.2408	0.2408		3,802.151 1	3,802.151 1	0.0729	0.0697	3,825.290 4

5.2 Energy by Land Use - NaturalGas

Unmitigated

	NaturalGas Use	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Land Use	kBTU/yr	lb/day										lb/day					
General Light Industry	10264.5	0.1107	1.0063	0.8453	6.0400e-003		0.0765	0.0765		0.0765	0.0765		1,207.587 2	1,207.587 2	0.0232	0.0221	1,214.936 4
General Light Industry	13908.5	0.1500	1.3636	1.1454	8.1800e-003		0.1036	0.1036		0.1036	0.1036		1,636.288 7	1,636.288 7	0.0314	0.0300	1,646.246 9
General Light Industry	8145.34	0.0878	0.7986	0.6708	4.7900e-003		0.0607	0.0607		0.0607	0.0607		958.2752	958.2752	0.0184	0.0176	964.1071
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		0.3485	3.1685	2.6615	0.0190		0.2408	0.2408		0.2408	0.2408		3,802.151 1	3,802.151 1	0.0729	0.0697	3,825.290 4

5.2 Energy by Land Use - NaturalGas

Mitigated

	NaturalGas Use	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Land Use	kBTU/yr	lb/day										lb/day					
General Light Industry	8.14534	0.0878	0.7986	0.6708	4.7900e-003		0.0607	0.0607		0.0607	0.0607		958.2752	958.2752	0.0184	0.0176	964.1071
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
General Light Industry	10.2645	0.1107	1.0063	0.8453	6.0400e-003		0.0765	0.0765		0.0765	0.0765		1,207.5872	1,207.5872	0.0232	0.0221	1,214.9364
General Light Industry	13.9085	0.1500	1.3636	1.1454	8.1800e-003		0.1036	0.1036		0.1036	0.1036		1,636.2887	1,636.2887	0.0314	0.0300	1,646.2469
Total		0.3485	3.1685	2.6615	0.0190		0.2408	0.2408		0.2408	0.2408		3,802.1511	3,802.1511	0.0729	0.0697	3,825.2904

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					
Unmitigated	14.9907	9.8000e-004	0.1038	1.0000e-005		3.7000e-004	3.7000e-004		3.7000e-004	3.7000e-004		0.2184	0.2184	6.1000e-004		0.2311
Mitigated	14.9907	9.8000e-004	0.1038	1.0000e-005		3.7000e-004	3.7000e-004		3.7000e-004	3.7000e-004		0.2184	0.2184	6.1000e-004		0.2311

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	2.4959					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Consumer Products	12.4849					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Landscaping	0.0100	9.8000e-004	0.1038	1.0000e-005		3.7000e-004	3.7000e-004		3.7000e-004	3.7000e-004		0.2184	0.2184	6.1000e-004		0.2311
Total	14.9907	9.8000e-004	0.1038	1.0000e-005		3.7000e-004	3.7000e-004		3.7000e-004	3.7000e-004		0.2184	0.2184	6.1000e-004		0.2311

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	2.4959					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Consumer Products	12.4849					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Landscaping	0.0100	9.8000e-004	0.1038	1.0000e-005		3.7000e-004	3.7000e-004		3.7000e-004	3.7000e-004		0.2184	0.2184	6.1000e-004		0.2311
Total	14.9907	9.8000e-004	0.1038	1.0000e-005		3.7000e-004	3.7000e-004		3.7000e-004	3.7000e-004		0.2184	0.2184	6.1000e-004		0.2311

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
Tractors/Loaders/Backhoes	2	4.00	365	200	0.37	Diesel

UnMitigated/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
Equipment Type	lb/day										lb/day					
Tractors/Loaders/Backhoes	0.3801	5.2736	1.7015	6.3400e-003		0.1721	0.1721		0.1583	0.1583		648.4504	648.4504	0.1987		652.6228
Total	0.3801	5.2736	1.7015	6.3400e-003		0.1721	0.1721		0.1583	0.1583		648.4504	648.4504	0.1987		652.6228

10.0 Vegetation

MoVal Logistics Center- Operations Light Industrial (Trucks)
Riverside-South Coast County, Winter

1.0 Project Characteristics

1.1 Land Usage

Land Uses	Size	Metric	Lot Acreage	Floor Surface Area	Population
General Light Industry	122.52	1000sqft	5.27	122,516.00	0
General Light Industry	97.22	1000sqft	4.61	97,222.00	0
General Light Industry	166.01	1000sqft	6.83	166,010.00	0
Parking Lot	187.00	Space	1.68	74,800.00	0
Parking Lot	220.00	Space	1.98	88,000.00	0
Parking Lot	205.00	Space	1.84	82,000.00	0

1.2 Other Project Characteristics

Urbanization	Urban	Wind Speed (m/s)	2.4	Precipitation Freq (Days)	28
Climate Zone	10			Operational Year	2017
Utility Company	Southern California Edison				
CO2 Intensity (lb/MWhr)	515.47	CH4 Intensity (lb/MWhr)	0.029	N2O Intensity (lb/MWhr)	0.006

1.3 User Entered Comments & Non-Default Data

Project Characteristics - CPUC GHG Calculator version 3c, worksheet tab "CO2 Allocations," cells AH/AQ 35-44.

Land Use - Lot Acreage (Light Industrial Buildings 2,3,4):22.21

Construction Phase -

Off-road Equipment - Operational Run Only.

Trips and VMT - Operational Run Only.

Vehicle Trips - Truck Trip Rate based on Traffic Study

Vehicle Emission Factors - Trucks Only; Information derived from Traffic Study.

Vehicle Emission Factors - Trucks Only; Information derived from Traffic Study.

Vehicle Emission Factors - Trucks Only; Information derived from Traffic Study.

Energy Use - Title-24 Electricity Energy Intensity and Title-24 Natural Gas Energy Intensity were adjusted by 21.8% and 16.8% respectively, to reflect 2013 Title 24 requirements. Source: Impact Analysis California's 2013 Building Energy Efficiency Standards (CEC 2013)

Water And Wastewater - Water usage based on 0.75 AFY per acre which is based on EMWD data for similar projects.

Operational Off-Road Equipment - based on CARB Cargo Handling Equipment Yard Truck Emission Testing Report. hours per day based on the Port of Long Beach Air Emissions Inventory (June 2008)

Table Name	Column Name	Default Value	New Value
tblEnergyUse	T24E	2.69	2.10
tblEnergyUse	T24NG	16.16	13.45
tblLandUse	LandUseSquareFeet	122,520.00	122,516.00
tblLandUse	LandUseSquareFeet	97,220.00	97,222.00
tblLandUse	LotAcreage	2.81	5.27
tblLandUse	LotAcreage	3.81	6.83
tblLandUse	LotAcreage	2.23	4.61
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	3.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	2.00	0.00
tblOperationalOffRoadEquipment	OperDaysPerYear	260.00	365.00
tblOperationalOffRoadEquipment	OperHorsePower	97.00	200.00
tblOperationalOffRoadEquipment	OperHoursPerDay	8.00	4.00

tblOperationalOffRoadEquipment	OperOffRoadEquipmentNumber	0.00	2.00
tblProjectCharacteristics	CO2IntensityFactor	630.89	515.47
tblProjectCharacteristics	OperationalYear	2014	2017
tblTripsAndVMT	VendorTripLength	6.90	0.00
tblTripsAndVMT	WorkerTripLength	14.70	0.00
tblVehicleEF	HHD	0.04	0.44
tblVehicleEF	HHD	0.04	0.44
tblVehicleEF	HHD	0.04	0.44
tblVehicleEF	LDA	0.46	0.00
tblVehicleEF	LDA	0.46	0.00
tblVehicleEF	LDA	0.46	0.00
tblVehicleEF	LDT1	0.07	0.00
tblVehicleEF	LDT1	0.07	0.00
tblVehicleEF	LDT1	0.07	0.00
tblVehicleEF	LDT2	0.18	0.00
tblVehicleEF	LDT2	0.18	0.00
tblVehicleEF	LDT2	0.18	0.00
tblVehicleEF	LHD1	0.05	0.37
tblVehicleEF	LHD1	0.05	0.37
tblVehicleEF	LHD1	0.05	0.37
tblVehicleEF	LHD2	7.3830e-003	0.00
tblVehicleEF	LHD2	7.3830e-003	0.00
tblVehicleEF	LHD2	7.3830e-003	0.00
tblVehicleEF	MCY	6.4540e-003	0.00
tblVehicleEF	MCY	6.4540e-003	0.00
tblVehicleEF	MCY	6.4540e-003	0.00
tblVehicleEF	MDV	0.17	0.00
tblVehicleEF	MDV	0.17	0.00

tblVehicleEF	MDV	0.17	0.00
tblVehicleEF	MH	3.2420e-003	0.00
tblVehicleEF	MH	3.2420e-003	0.00
tblVehicleEF	MH	3.2420e-003	0.00
tblVehicleEF	MHD	0.01	0.18
tblVehicleEF	MHD	0.01	0.18
tblVehicleEF	MHD	0.01	0.18
tblVehicleEF	OBUS	9.5400e-004	0.00
tblVehicleEF	OBUS	9.5400e-004	0.00
tblVehicleEF	OBUS	9.5400e-004	0.00
tblVehicleEF	SBUS	8.8400e-004	0.00
tblVehicleEF	SBUS	8.8400e-004	0.00
tblVehicleEF	SBUS	8.8400e-004	0.00
tblVehicleEF	UBUS	1.0560e-003	0.00
tblVehicleEF	UBUS	1.0560e-003	0.00
tblVehicleEF	UBUS	1.0560e-003	0.00
tblVehicleTrips	CC_TTP	28.00	0.00
tblVehicleTrips	CNW_TTP	13.00	0.00
tblVehicleTrips	CW_TL	16.60	61.00
tblVehicleTrips	CW_TTP	59.00	100.00
tblVehicleTrips	ST_TR	1.32	1.49
tblVehicleTrips	SU_TR	0.68	1.49
tblVehicleTrips	WD_TR	6.97	1.49
tblWater	IndoorWaterUseRate	89,204,687.50	5,427,870.00

2.0 Emissions Summary

2.1 Overall Construction (Maximum Daily Emission)

Unmitigated Construction

[illegible]

Mitigated Construction

[illegible][illegible]

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	14.9907	9.8000e-004	0.1038	1.0000e-005		3.7000e-004	3.7000e-004		3.7000e-004	3.7000e-004		0.2184	0.2184	6.1000e-004		0.2311
Energy	0.3485	3.1685	2.6615	0.0190		0.2408	0.2408		0.2408	0.2408		3,802.1511	3,802.1511	0.0729	0.0697	3,825.2904
Mobile	11.4610	254.5137	111.9694	0.7751	27.9996	4.5559	32.5555	7.7694	4.1913	11.9607		76,611.4989	76,611.4989	0.5783		76,623.6430
Offroad	0.3801	5.2736	1.7015	6.3400e-003		0.1721	0.1721		0.1583	0.1583		648.4504	648.4504	0.1987		652.6228
Total	27.1804	262.9567	116.4362	0.8005	27.9996	4.9691	32.9687	7.7694	4.5908	12.3602		81,062.3188	81,062.3188	0.8505	0.0697	81,101.7873

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	lb/day										lb/day					
Area	14.9907	9.8000e-004	0.1038	1.0000e-005		3.7000e-004	3.7000e-004		3.7000e-004	3.7000e-004		0.2184	0.2184	6.1000e-004		0.2311
Energy	0.3485	3.1685	2.6615	0.0190		0.2408	0.2408		0.2408	0.2408		3,802.1511	3,802.1511	0.0729	0.0697	3,825.2904
Mobile	11.4610	254.5137	111.9694	0.7751	27.9996	4.5559	32.5555	7.7694	4.1913	11.9607		76,611.4989	76,611.4989	0.5783		76,623.6430
Offroad	0.3801	5.2736	1.7015	6.3400e-003		0.1721	0.1721		0.1583	0.1583		648.4504	648.4504	0.1987		652.6228
Total	27.1804	262.9567	116.4362	0.8005	27.9996	4.9691	32.9687	7.7694	4.5908	12.3602		81,062.3188	81,062.3188	0.8505	0.0697	81,101.7873

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N2O	CO2e
Percent Reduction	1.40	2.01	1.46	0.79	0.00	3.46	0.52	0.00	3.45	1.28	0.00	0.80	0.80	23.36	0.00	0.80

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	1/1/2016	1/28/2016	5	20	

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 (Architectural Coating – sqft)

OffRoad Equipment

Phase Name	Offroad Equipment Type	Amount	Usage Hours	Horse Power	Load Factor
Demolition	Concrete/Industrial Saws	0	8.00	81	0.73
Demolition	Excavators	0	8.00	162	0.38
Demolition	Rubber Tired Dozers	0	8.00	255	0.40

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	0	0.00	0.00	0.00	0.00	0.00	20.00	LD_Mix	HDT_Mix	HHDT

3.1 Mitigation Measures Construction

3.2 Demolition - 2016

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

3.2 Demolition - 2016

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	0.0000	0.0000	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 Construction On-Site

[illegible]

3.2 Demolition - 2016

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	0.0000	0.0000	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

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					
Unmitigated	11.4610	254.5137	111.9694	0.7751	27.9996	4.5559	32.5555	7.7694	4.1913	11.9607		76,611.49 89	76,611.49 89	0.5783		76,623.64 30
Mitigated	11.4610	254.5137	111.9694	0.7751	27.9996	4.5559	32.5555	7.7694	4.1913	11.9607		76,611.49 89	76,611.49 89	0.5783		76,623.64 30

4.2 Trip Summary Information

Land Use	Average Daily Trip Rate			Unmitigated	Mitigated
	Weekday	Saturday	Sunday	Annual VMT	Annual VMT
General Light Industry	182.55	182.55	182.55	3,780,038	3,780,038
General Light Industry	144.86	144.86	144.86	2,999,472	2,999,472
General Light Industry	247.35	247.35	247.35	5,121,810	5,121,810
Parking Lot	0.00	0.00	0.00		
Parking Lot	0.00	0.00	0.00		
Parking Lot	0.00	0.00	0.00		
Total	574.77	574.77	574.77	11,901,321	11,901,321

4.3 Trip Type Information

Land Use	Miles			Trip %			Trip Purpose %		
	H-W or C-W	H-S or C-C	H-O or C-NW	H-W or C-W	H-S or C-C	H-O or C-NW	Primary	Diverted	Pass-by
General Light Industry	61.00	8.40	6.90	100.00	0.00	0.00	92	5	3
General Light Industry	61.00	8.40	6.90	100.00	0.00	0.00	92	5	3
General Light Industry	61.00	8.40	6.90	100.00	0.00	0.00	92	5	3
Parking Lot	16.60	8.40	6.90	0.00	0.00	0.00	0	0	0
Parking Lot	16.60	8.40	6.90	0.00	0.00	0.00	0	0	0
Parking Lot	16.60	8.40	6.90	0.00	0.00	0.00	0	0	0

LDA	LDT1	LDT2	MDV	LHD1	LHD2	MHD	HHD	OBUS	UBUS	MCY	SBUS	MH
0.000000	0.000000	0.000000	0.000000	0.374000	0.000000	0.182300	0.443700	0.000000	0.000000	0.000000	0.000000	0.000000

5.0 Energy Detail

2.4 Fleet Mix

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 Unmitigated	0.3485	3.1685	2.6615	0.0190		0.2408	0.2408		0.2408	0.2408		3,802.151 1	3,802.151 1	0.0729	0.0697	3,825.290 4
NaturalGas Mitigated	0.3485	3.1685	2.6615	0.0190		0.2408	0.2408		0.2408	0.2408		3,802.151 1	3,802.151 1	0.0729	0.0697	3,825.290 4

5.2 Energy by Land Use - NaturalGas

Unmitigated

	NaturalGas Use	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Land Use	kBTU/yr	lb/day										lb/day					
General Light Industry	10264.5	0.1107	1.0063	0.8453	6.0400e-003		0.0765	0.0765		0.0765	0.0765		1,207.587 2	1,207.587 2	0.0232	0.0221	1,214.936 4
General Light Industry	13908.5	0.1500	1.3636	1.1454	8.1800e-003		0.1036	0.1036		0.1036	0.1036		1,636.288 7	1,636.288 7	0.0314	0.0300	1,646.246 9
General Light Industry	8145.34	0.0878	0.7986	0.6708	4.7900e-003		0.0607	0.0607		0.0607	0.0607		958.2752	958.2752	0.0184	0.0176	964.1071
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		0.3485	3.1685	2.6615	0.0190		0.2408	0.2408		0.2408	0.2408		3,802.151 1	3,802.151 1	0.0729	0.0697	3,825.290 4

5.2 Energy by Land Use - NaturalGas

Mitigated

	NaturalGas Use	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Land Use	kBTU/yr	lb/day										lb/day					
General Light Industry	8.14534	0.0878	0.7986	0.6708	4.7900e-003		0.0607	0.0607		0.0607	0.0607		958.2752	958.2752	0.0184	0.0176	964.1071
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
General Light Industry	10.2645	0.1107	1.0063	0.8453	6.0400e-003		0.0765	0.0765		0.0765	0.0765		1,207.5872	1,207.5872	0.0232	0.0221	1,214.9364
General Light Industry	13.9085	0.1500	1.3636	1.1454	8.1800e-003		0.1036	0.1036		0.1036	0.1036		1,636.2887	1,636.2887	0.0314	0.0300	1,646.2469
Total		0.3485	3.1685	2.6615	0.0190		0.2408	0.2408		0.2408	0.2408		3,802.1511	3,802.1511	0.0729	0.0697	3,825.2904

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					
Unmitigated	14.9907	9.8000e-004	0.1038	1.0000e-005		3.7000e-004	3.7000e-004		3.7000e-004	3.7000e-004		0.2184	0.2184	6.1000e-004		0.2311
Mitigated	14.9907	9.8000e-004	0.1038	1.0000e-005		3.7000e-004	3.7000e-004		3.7000e-004	3.7000e-004		0.2184	0.2184	6.1000e-004		0.2311

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	2.4959					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Consumer Products	12.4849					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Landscaping	0.0100	9.8000e-004	0.1038	1.0000e-005		3.7000e-004	3.7000e-004		3.7000e-004	3.7000e-004		0.2184	0.2184	6.1000e-004		0.2311
Total	14.9907	9.8000e-004	0.1038	1.0000e-005		3.7000e-004	3.7000e-004		3.7000e-004	3.7000e-004		0.2184	0.2184	6.1000e-004		0.2311

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	2.4959					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Consumer Products	12.4849					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Landscaping	0.0100	9.8000e-004	0.1038	1.0000e-005		3.7000e-004	3.7000e-004		3.7000e-004	3.7000e-004		0.2184	0.2184	6.1000e-004		0.2311
Total	14.9907	9.8000e-004	0.1038	1.0000e-005		3.7000e-004	3.7000e-004		3.7000e-004	3.7000e-004		0.2184	0.2184	6.1000e-004		0.2311

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
Tractors/Loaders/Backhoes	2	4.00	365	200	0.37	Diesel

UnMitigated/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
Equipment Type	lb/day										lb/day					
Tractors/Loaders/Backhoes	0.3801	5.2736	1.7015	6.3400e-003		0.1721	0.1721		0.1583	0.1583		648.4504	648.4504	0.1987		652.6228
Total	0.3801	5.2736	1.7015	6.3400e-003		0.1721	0.1721		0.1583	0.1583		648.4504	648.4504	0.1987		652.6228

10.0 Vegetation

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APPENDIX 3.3

AERMOD LSTs

Aermod LST Construction Outputs

**

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** AERMOD Input Produced by:

** AERMOD View Ver. 9.0.0

** Lakes Environmental Software Inc.

** Date: 10/21/2015

** File: C:\Lakes\AERMOD View\MVL\ConstructionLSTs\CO\CO.ADI

**

**

**

** AERMOD Control Pathway

**

**

CO STARTING

TITLEONE C:\Lakes\AERMOD View\MVL\ConstructionLSTs\CO\CO.isc

MODELOPT DFAULT CONC

AVERTIME 1 8

URBANOPT 2100516

POLLUTID CO

FLAGPOLE 2.00

RUNORNOT RUN

ERRORFIL CO.err

CO FINISHED

**

** AERMOD Source Pathway

**

**

SO STARTING

** Source Location **

** Source ID - Type - X Coord. - Y Coord. **

LOCATION AREA1	AREA	478047.969	3748187.953	450.000
LOCATION VOL1	VOLUME	478070.839	3748388.229	451.000
LOCATION VOL2	VOLUME	478109.978	3748388.492	451.000
LOCATION VOL3	VOLUME	478155.664	3748388.861	451.000
LOCATION VOL4	VOLUME	478201.945	3748387.710	451.000
LOCATION VOL5	VOLUME	478248.464	3748387.596	451.000
LOCATION VOL6	VOLUME	478071.156	3748341.530	451.000
LOCATION VOL7	VOLUME	478116.367	3748340.884	451.000
LOCATION VOL8	VOLUME	478162.533	3748340.603	451.000
LOCATION VOL9	VOLUME	478207.913	3748340.800	451.000
LOCATION VOL10	VOLUME	478250.063	3748341.249	451.000
LOCATION VOL11	VOLUME	478072.131	3748294.893	450.000

Aermod LST Construction Outputs

LOCATION VOL12	VOLUME	478118.375	3748294.833	450.000
LOCATION VOL13	VOLUME	478164.707	3748295.848	450.000
LOCATION VOL14	VOLUME	478210.020	3748295.988	450.000
LOCATION VOL15	VOLUME	478250.725	3748295.874	450.000
LOCATION VOL16	VOLUME	478072.771	3748248.193	450.000
LOCATION VOL17	VOLUME	478118.951	3748248.839	450.000
LOCATION VOL18	VOLUME	478164.794	3748249.205	450.000
LOCATION VOL19	VOLUME	478209.850	3748250.048	450.000
LOCATION VOL20	VOLUME	478250.063	3748249.851	450.000
LOCATION VOL21	VOLUME	478072.125	3748211.052	450.000
LOCATION VOL22	VOLUME	478117.659	3748212.344	450.000
LOCATION VOL23	VOLUME	478163.502	3748213.679	450.000
LOCATION VOL24	VOLUME	478208.559	3748213.553	450.000
LOCATION VOL25	VOLUME	478250.063	3748212.387	450.000

** Source Parameters **

SRCPARAM AREA1	0.0	0.000	224.913	224.913	0.000

1.000

SRCPARAM VOL1	0.1096048003	5.000	10.465	2.326
SRCPARAM VOL2	0.1096	5.000	10.465	2.326
SRCPARAM VOL3	0.1096	5.000	10.465	2.330
SRCPARAM VOL4	0.1096	5.000	10.465	2.330
SRCPARAM VOL5	0.1096	5.000	10.465	2.330
SRCPARAM VOL6	0.1096	5.000	10.465	2.330
SRCPARAM VOL7	0.1096	5.000	10.465	2.330
SRCPARAM VOL8	0.1096	5.000	10.465	2.330
SRCPARAM VOL9	0.1096	5.000	10.465	2.330
SRCPARAM VOL10	0.1096	5.000	10.465	2.330
SRCPARAM VOL11	0.1096	5.000	10.465	2.330
SRCPARAM VOL12	0.1096	5.000	10.465	2.330
SRCPARAM VOL13	0.1096	5.000	10.465	2.330
SRCPARAM VOL14	0.1096	5.000	10.465	2.330
SRCPARAM VOL15	0.1096	5.000	10.465	2.330
SRCPARAM VOL16	0.1096	5.000	10.465	2.330
SRCPARAM VOL17	0.1096	5.000	10.465	2.330
SRCPARAM VOL18	0.1096	5.000	10.465	2.330
SRCPARAM VOL19	0.1096	5.000	10.465	2.330
SRCPARAM VOL20	0.1096	5.000	10.465	2.330
SRCPARAM VOL21	0.1096	5.000	10.465	2.330
SRCPARAM VOL22	0.1096	5.000	10.465	2.330
SRCPARAM VOL23	0.1096	5.000	10.465	2.330
SRCPARAM VOL24	0.1096	5.000	10.465	2.330
SRCPARAM VOL25	0.1096	5.000	10.465	2.330

URBANSRC ALL

CONCUNIT 873.2 GRAMS/SEC PPM

SRCGROUP ALL

SO FINISHED

**

Aermod LST Construction Outputs

** AERMOD Receptor Pathway

**

**

RE STARTING

INCLUDED CO.rou

RE FINISHED

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** AERMOD Meteorology Pathway

**

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ME STARTING

SURFFILE ..\..\peri8.sfc

PROFFILE ..\..\peri8.PFL

SURFDATA 3190 2007

UAIRDATA 3190 2007

SITEDATA 99999 2007

PROFBASE 442.0 METERS

ME FINISHED

**

** AERMOD Output Pathway

**

**

OU STARTING

RECTABLE ALLAVE 1ST

RECTABLE 1 1ST

RECTABLE 8 1ST

** Auto-Generated Plotfiles

PLOTFILE 1 ALL 1ST CO.AD\01H1GALL.PLT 31

PLOTFILE 8 ALL 1ST CO.AD\08H1GALL.PLT 32

SUMMFILE CO.sum

OU FINISHED

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

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

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

***** FATAL ERROR MESSAGES *****

Aermod LST Construction Outputs
*** NONE ***

***** WARNING MESSAGES *****
SO W320 64 APARM: Input Parameter May Be Out-of-Range for Parameter
QS
ME W531 116 MEOPEN: CAUTION! Met Station ID Missing from SURFFILE for
SURFDATA

*** SETUP Finishes Successfully ***

♀ *** AERMOD - VERSION 15181 *** *** C:\Lakes\AERMOD
View\MVL\ConstructionLSTs\CO\CO.isc *** 10/21/15
*** AERMET - VERSION 14134 *** ***
*** 09:00:40

PAGE 1
**MODELOPTs: RegDFAULT CONC ELEV FLGPOL URBAN

*** 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 26 Source(s),
for Total of 1 Urban Area(s):

Urban Population = 2100516.0 ; 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:

TEMP_Sub - Meteorological data includes TEMP substitutions

Aermod LST Construction Outputs

**Model Accepts FLAGPOLE Receptor Heights.

**The User Specified a Pollutant Type of: CO

**Model Calculates 2 Short Term Average(s) of: 1-HR 8-HR

**This Run Includes: 26 Source(s); 1 Source Group(s); and 8 Receptor(s)

with: 0 POINT(s), including
0 POINTCAP(s) and 0 POINTHOR(s)
and: 25 VOLUME source(s)
and: 1 AREA type source(s)
and: 0 LINE source(s)
and: 0 OPENPIT source(s)

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

**The AERMET Input Meteorological Data Version Date: 14134

**Output Options Selected:

Model Outputs Tables of Highest Short Term Values by Receptor (RECTABLE
Keyword)
Model Outputs External File(s) of High Values for Plotting (PLOTFILE
Keyword)
Model Outputs Separate Summary File of High Ranked Values (SUMMFILE
Keyword)

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

**Misc. Inputs: Base Elev. for Pot. Temp. Profile (m MSL) = 442.00 ; Decay
Coef. = 0.000 ; Rot. Angle = 0.0
Emission Units = GRAMS/SEC ;
Emission Rate Unit Factor = 873.20
Output Units = PPM

**Approximate Storage Requirements of Model = 3.5 MB of RAM.

**Detailed Error/Message File: CO.err

**File for Summary of Results: CO.sum

Aermod LST Construction Outputs

♀ *** AERMOD - VERSION 15181 *** *** C:\Lakes\AERMOD
 View\MVL\ConstructionLSTs\CO\CO.isc *** 10/21/15
 *** AERMET - VERSION 14134 *** ***
 *** 09:00:40

**MODELOPTs: RegDFAULT CONC PAGE 2
 ELEV FLGPOL URBAN

*** VOLUME SOURCE DATA ***

INIT.	URBAN	NUMBER	EMISSION	RATE		BASE	RELEASE	INIT.
SZ	SOURCE	EMISSION	RATE			ELEV.	HEIGHT	SY
	ID	PART.	(USER	UNITS)	X	Y		
(METERS)		SCALAR	VARY		(METERS)	(METERS)	(METERS)	(METERS)
		CATS.	BY					
VOL1		0	0.10960E+00	478070.8	3748388.2	451.0	5.00	10.47
2.33	YES							
VOL2		0	0.10960E+00	478110.0	3748388.5	451.0	5.00	10.47
2.33	YES							
VOL3		0	0.10960E+00	478155.7	3748388.9	451.0	5.00	10.47
2.33	YES							
VOL4		0	0.10960E+00	478201.9	3748387.7	451.0	5.00	10.47
2.33	YES							
VOL5		0	0.10960E+00	478248.5	3748387.6	451.0	5.00	10.47
2.33	YES							
VOL6		0	0.10960E+00	478071.2	3748341.5	451.0	5.00	10.47
2.33	YES							
VOL7		0	0.10960E+00	478116.4	3748340.9	451.0	5.00	10.47
2.33	YES							
VOL8		0	0.10960E+00	478162.5	3748340.6	451.0	5.00	10.47
2.33	YES							
VOL9		0	0.10960E+00	478207.9	3748340.8	451.0	5.00	10.47
2.33	YES							
VOL10		0	0.10960E+00	478250.1	3748341.2	451.0	5.00	10.47
2.33	YES							
VOL11		0	0.10960E+00	478072.1	3748294.9	450.0	5.00	10.47
2.33	YES							
VOL12		0	0.10960E+00	478118.4	3748294.8	450.0	5.00	10.47
2.33	YES							
VOL13		0	0.10960E+00	478164.7	3748295.8	450.0	5.00	10.47
2.33	YES							
VOL14		0	0.10960E+00	478210.0	3748296.0	450.0	5.00	10.47
2.33	YES							

Aermod LST Construction Outputs

VOL15		0	0.10960E+00	478250.7	3748295.9	450.0	5.00	10.47
2.33	YES							
VOL16		0	0.10960E+00	478072.8	3748248.2	450.0	5.00	10.47
2.33	YES							
VOL17		0	0.10960E+00	478119.0	3748248.8	450.0	5.00	10.47
2.33	YES							
VOL18		0	0.10960E+00	478164.8	3748249.2	450.0	5.00	10.47
2.33	YES							
VOL19		0	0.10960E+00	478209.8	3748250.0	450.0	5.00	10.47
2.33	YES							
VOL20		0	0.10960E+00	478250.1	3748249.9	450.0	5.00	10.47
2.33	YES							
VOL21		0	0.10960E+00	478072.1	3748211.1	450.0	5.00	10.47
2.33	YES							
VOL22		0	0.10960E+00	478117.7	3748212.3	450.0	5.00	10.47
2.33	YES							
VOL23		0	0.10960E+00	478163.5	3748213.7	450.0	5.00	10.47
2.33	YES							
VOL24		0	0.10960E+00	478208.6	3748213.6	450.0	5.00	10.47
2.33	YES							
VOL25		0	0.10960E+00	478250.1	3748212.4	450.0	5.00	10.47
2.33	YES							

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*** AERMET - VERSION 14134 *** ***
*** 09:00:40

***MODELOPTs: RegDFAULT CONC PAGE 3
ELEV FLGPOL URBAN

*** AREA SOURCE DATA ***

Y-DIM	ORIENT.	NUMBER	EMISSION	RATE	COORD (SW CORNER)	BASE	RELEASE	X-DIM
SOURCE	PART.	INIT.	URBAN	EMISSION	RATE			
OF AREA	OF AREA	SZ	SOURCE	SCALAR	VARY	ELEV.	HEIGHT	OF AREA
ID	CATS.	/METER**2)	(METERS)	(METERS)	(METERS)	(METERS)	(METERS)	(METERS)
(METERS)	(DEG.)	(METERS)	BY					
AREA1	0	0.00000E+00	478048.0	3748188.0	450.0	0.00	224.91	
224.91	0.00	1.00	YES					

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Aermod LST Construction Outputs

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**MODELOPTs: RegDFAULT CONC ELEV FLGPOL URBAN

*** SOURCE IDs DEFINING SOURCE GROUPS

SRCGROUP ID

SOURCE IDs

ALL	AREA1	, VOL1	, VOL2	, VOL3	, VOL4	,
VOL5	, VOL6	, VOL7	,			
	VOL8	, VOL9	, VOL10	, VOL11	, VOL12	,
VOL13	, VOL14	, VOL15	,			
	VOL16	, VOL17	, VOL18	, VOL19	, VOL20	,
VOL21	, VOL22	, VOL23	,			
	VOL24	, VOL25	,			

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*** 09:00:40

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**MODELOPTs: RegDFAULT CONC ELEV FLGPOL URBAN

*** SOURCE IDs DEFINED AS URBAN SOURCES

URBAN ID URBAN POP

SOURCE IDs

	2100516.	AREA1	, VOL1	, VOL2	, VOL3	,
VOL4	, VOL5	, VOL6	,			
VOL7	,					
	VOL8	, VOL9	, VOL10	, VOL11	, VOL12	,
VOL13	, VOL14	, VOL15	,			
	VOL16	, VOL17	, VOL18	, VOL19	, VOL20	,
VOL21	, VOL22	, VOL23	,			

Aermod LST Construction Outputs

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

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

10.80,
 1.54, 3.09, 5.14, 8.23,
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**MODELOPTs: RegDFAULT CONC PAGE 8
 ELEV FLGPOL URBAN

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

Surface file: ..\..\peri8.sfc
 Met Version: 14134
 Profile file: ..\..\peri8.PFL

Surface format: FREE

Profile format: FREE

Surface station no.: 3190 Upper air station no.: 3190
 Name: UNKNOWN Name: UNKNOWN
 Year: 2007 Year: 2007

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							
07	01	01	1	01	-0.5	0.026	-9.000	-9.000	-999.	10.	3.0	0.19	1.00	
1.00	0.50	133.		9.1	279.9	5.5								
07	01	01	1	02	-0.5	0.026	-9.000	-9.000	-999.	10.	3.0	0.19	1.00	
1.00	0.50	192.		9.1	279.2	5.5								
07	01	01	1	03	-0.5	0.026	-9.000	-9.000	-999.	10.	3.0	0.19	1.00	
1.00	0.50	160.		9.1	277.5	5.5								
07	01	01	1	04	-0.5	0.026	-9.000	-9.000	-999.	10.	3.0	0.19	1.00	

Aermod LST Construction Outputs

1.00	0.50	75.	9.1	277.5	5.5								
07	01	01	1	05	-0.6	0.026	-9.000	-9.000	-999.	10.	2.6	0.19	1.00
1.00	0.50	282.	9.1	278.8	5.5								
07	01	01	1	06	-0.6	0.026	-9.000	-9.000	-999.	10.	2.6	0.19	1.00
1.00	0.50	96.	9.1	277.5	5.5								
07	01	01	1	07	-0.5	0.026	-9.000	-9.000	-999.	10.	3.0	0.19	1.00
1.00	0.50	129.	9.1	278.1	5.5								
07	01	01	1	08	-0.4	0.026	-9.000	-9.000	-999.	10.	3.7	0.19	1.00
0.54	0.50	99.	9.1	277.5	5.5								
07	01	01	1	09	27.8	0.091	0.542	0.005	196.	66.	-2.3	0.19	1.00
0.33	0.50	133.	9.1	278.1	5.5								
07	01	01	1	10	76.9	0.104	1.050	0.005	516.	81.	-1.3	0.19	1.00
0.26	0.50	174.	9.1	281.4	5.5								
07	01	01	1	11	110.0	0.109	1.374	0.009	810.	87.	-1.0	0.19	1.00
0.23	0.50	95.	9.1	284.9	5.5								
07	01	01	1	12	125.7	0.201	1.589	0.018	1095.	216.	-5.5	0.19	1.00
0.22	1.30	94.	9.1	288.1	5.5								
07	01	01	1	13	121.7	0.287	1.641	0.022	1248.	369.	-16.6	0.19	1.00
0.22	2.20	24.	9.1	291.4	5.5								
07	01	01	1	14	102.8	0.414	1.559	0.021	1265.	639.	-59.1	0.19	1.00
0.23	3.60	13.	9.1	292.5	5.5								
07	01	01	1	15	69.9	0.619	1.374	0.021	1276.	1169.	-291.2	0.19	1.00
0.27	5.80	318.	9.1	292.0	5.5								
07	01	01	1	16	16.8	0.607	0.856	0.021	1277.	1135.	-1137.8	0.19	1.00
0.36	5.80	329.	9.1	291.4	5.5								
07	01	01	1	17	-42.2	0.437	-9.000	-9.000	-999.	720.	169.3	0.19	1.00
0.64	4.50	333.	9.1	289.9	5.5								
07	01	01	1	18	-18.5	0.353	-9.000	-9.000	-999.	510.	204.1	0.19	1.00
1.00	3.60	305.	9.1	288.8	5.5								
07	01	01	1	19	-42.3	0.437	-9.000	-9.000	-999.	692.	168.7	0.19	1.00
1.00	4.50	276.	9.1	287.5	5.5								
07	01	01	1	20	-32.3	0.334	-9.000	-9.000	-999.	470.	98.6	0.19	1.00
1.00	3.60	323.	9.1	287.5	5.5								
07	01	01	1	21	-36.7	0.380	-9.000	-9.000	-999.	562.	128.3	0.19	1.00
1.00	4.00	322.	9.1	288.1	5.5								
07	01	01	1	22	-45.6	0.434	-9.000	-9.000	-999.	685.	153.6	0.19	1.00
1.00	4.50	30.	9.1	288.1	5.5								
07	01	01	1	23	-39.7	0.377	-9.000	-9.000	-999.	557.	115.4	0.19	1.00
1.00	4.00	343.	9.1	287.0	5.5								
07	01	01	1	24	-7.7	0.093	-9.000	-9.000	-999.	215.	9.1	0.19	1.00
1.00	1.80	155.	9.1	283.8	5.5								

First hour of profile data

YR	MO	DY	HR	HEIGHT	F	WDIR	WSPD	AMB_TMP	sigmaA	sigmaW	sigmaV
07	01	01	01	5.5	0	-999.	-99.00	279.9	99.0	-99.00	-99.00
07	01	01	01	9.1	1	133.	0.50	-999.0	99.0	-99.00	-99.00

Aermod LST Construction Outputs

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

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*** AERMET - VERSION 14134 ***
*** 09:00:40

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**MODELOPTs: RegDFAULT CONC ELEV FLGPOL URBAN

*** THE 1ST HIGHEST 1-HR AVERAGE CONCENTRATION
VALUES FOR SOURCE GROUP: ALL ***

INCLUDING SOURCE(S): AREA1 , VOL1
, VOL2 , VOL3 , VOL4 ,
VOL5 , VOL6 , VOL7 , VOL8 , VOL9
, VOL10 , VOL11 , VOL12 ,
VOL13 , VOL14 , VOL15 , VOL16 , VOL17
, VOL18 , VOL19 , VOL20 ,
VOL21 , VOL22 , VOL23 , VOL24 , VOL25
,

*** DISCRETE CARTESIAN RECEPTOR POINTS

** CONC OF CO IN PPM

**

X-COORD (M)	Y-COORD (M)	CONC	(YYMMDDHH)	X-COORD (M)
Y-COORD (M)	CONC	(YYMMDDHH)		
477994.17	3749818.50	0.06367	(08082923)	478348.59
3749820.73	0.06358	(11062823)		
478323.98	3749446.94	0.08062	(10102506)	478321.90
3749107.70	0.08854	(09051904)		
478311.50	3748947.34	0.07648	(09051904)	478314.46
3748704.06	0.12969	(08101020)		
478309.66	3748401.33	0.37505	(08010616)	478302.71
3748248.43	0.42150	(08092419)		

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*** 09:00:40

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**MODELOPTs: RegDFAULT CONC ELEV FLGPOL URBAN

*** THE 1ST HIGHEST 8-HR AVERAGE CONCENTRATION
VALUES FOR SOURCE GROUP: ALL ***

Aermod LST Construction Outputs

INCLUDING SOURCE(S): AREA1 , VOL1
 , VOL2 , VOL3 , VOL4 ,
 VOL5 , VOL6 , VOL7 , VOL8 , VOL9
 , VOL10 , VOL11 , VOL12 ,
 VOL13 , VOL14 , VOL15 , VOL16 , VOL17
 , VOL18 , VOL19 , VOL20 ,
 VOL21 , VOL22 , VOL23 , VOL24 , VOL25
 ,

*** DISCRETE CARTESIAN RECEPTOR POINTS

** CONC OF CO IN PPM

**

X-COORD (M)	Y-COORD (M)	CONC	(YYMMDDHH)	X-COORD (M)
Y-COORD (M)	CONC	(YYMMDDHH)		
477994.17	3749818.50	0.03205	(08110424)	478348.59
3749820.73	0.02719m (11010808)			
478323.98	3749446.94	0.03869	(07120724)	478321.90
3749107.70	0.04660 (07120724)			
478311.50	3748947.34	0.03972	(07120724)	478314.46
3748704.06	0.07676 (07120724)			
478309.66	3748401.33	0.24053	(09120524)	478302.71
3748248.43	0.34694m (10060508)			

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**MODELOPTs: RegDFAULT CONC ELEV FLGPOL URBAN

*** THE SUMMARY OF HIGHEST 1-HR

RESULTS ***

** CONC OF CO IN PPM

**

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

Aermod LST Construction Outputs

ALL HIGH 1ST HIGH VALUE IS 0.42150 ON 08092419: AT (478302.71,
3748248.43, 450.00, 450.00, 2.00) DC

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

♀ *** AERMOD - VERSION 15181 *** *** C:\Lakes\AERMOD
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*** AERMET - VERSION 14134 *** ***
*** 09:00:40

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**MODELOPTs: RegDFAULT CONC ELEV FLGPOL URBAN

*** THE SUMMARY OF HIGHEST 8-HR
RESULTS ***

** CONC OF CO IN PPM
**

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

ALL HIGH 1ST HIGH VALUE IS 0.34694m ON 10060508: AT (478302.71,
3748248.43, 450.00, 450.00, 2.00) DC

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

♀ *** AERMOD - VERSION 15181 *** *** C:\Lakes\AERMOD
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**MODELOPTs: RegDFAULT CONC ELEV FLGPOL URBAN

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

Aermod LST Construction Outputs

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

A Total of 0 Fatal Error Message(s)
A Total of 2 Warning Message(s)
A Total of 1895 Informational Message(s)

A Total of 43824 Hours Were Processed

A Total of 90 Calm Hours Identified

A Total of 1805 Missing Hours Identified (4.12 Percent)

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

***** WARNING MESSAGES *****
SO W320 64 APARM: Input Parameter May Be Out-of-Range for Parameter
 QS
ME W531 116 MEOPEN: CAUTION! Met Station ID Missing from SURFFILE for
SURFDATA

*** AERMOD Finishes Successfully ***

**

**

** AERMOD Input Produced by:
** AERMOD View Ver. 9.0.0
** Lakes Environmental Software Inc.
** Date: 10/21/2015
** File: C:\Lakes\AERMOD View\MVL\ConstructionLSTs\COMit\COMit.ADI
**

**

**

** AERMOD Control Pathway

**

**

CO STARTING
 TITLEONE C:\Lakes\AERMOD View\MVL\ConstructionLSTs\COMit\COMit.isc
 MODELOPT DFAULT CONC
 AVERTIME 1 8

Aermod LST Construction Outputs

URBANOPT 2100516
 POLLUTID CO
 FLAGPOLE 2.00
 RUNORNOT RUN
 ERRORFIL COMit.err

CO FINISHED

**

** AERMOD Source Pathway

**

**

SO STARTING

** Source Location **

** Source ID - Type - X Coord. - Y Coord. **

LOCATION AREA1	AREA	478047.969	3748187.953	450.000
LOCATION VOL1	VOLUME	478070.839	3748388.229	451.000
LOCATION VOL2	VOLUME	478109.978	3748388.492	451.000
LOCATION VOL3	VOLUME	478155.664	3748388.861	451.000
LOCATION VOL4	VOLUME	478201.945	3748387.710	451.000
LOCATION VOL5	VOLUME	478248.464	3748387.596	451.000
LOCATION VOL6	VOLUME	478071.156	3748341.530	451.000
LOCATION VOL7	VOLUME	478116.367	3748340.884	451.000
LOCATION VOL8	VOLUME	478162.533	3748340.603	451.000
LOCATION VOL9	VOLUME	478207.913	3748340.800	451.000
LOCATION VOL10	VOLUME	478250.063	3748341.249	451.000
LOCATION VOL11	VOLUME	478072.131	3748294.893	450.000
LOCATION VOL12	VOLUME	478118.375	3748294.833	450.000
LOCATION VOL13	VOLUME	478164.707	3748295.848	450.000
LOCATION VOL14	VOLUME	478210.020	3748295.988	450.000
LOCATION VOL15	VOLUME	478250.725	3748295.874	450.000
LOCATION VOL16	VOLUME	478072.771	3748248.193	450.000
LOCATION VOL17	VOLUME	478118.951	3748248.839	450.000
LOCATION VOL18	VOLUME	478164.794	3748249.205	450.000
LOCATION VOL19	VOLUME	478209.850	3748250.048	450.000
LOCATION VOL20	VOLUME	478250.063	3748249.851	450.000
LOCATION VOL21	VOLUME	478072.125	3748211.052	450.000
LOCATION VOL22	VOLUME	478117.659	3748212.344	450.000
LOCATION VOL23	VOLUME	478163.502	3748213.679	450.000
LOCATION VOL24	VOLUME	478208.559	3748213.553	450.000
LOCATION VOL25	VOLUME	478250.063	3748212.387	450.000

** Source Parameters **

SRCPARAM AREA1	0.0	0.000	224.913	224.913	0.000

1.000

SRCPARAM VOL1	0.0840670459	5.000	10.465	2.326
SRCPARAM VOL2	0.08407	5.000	10.465	2.326
SRCPARAM VOL3	0.08407	5.000	10.465	2.330
SRCPARAM VOL4	0.08407	5.000	10.465	2.330

Aermod LST Construction Outputs

SRCPARAM VOL5	0.08407	5.000	10.465	2.330
SRCPARAM VOL6	0.08407	5.000	10.465	2.330
SRCPARAM VOL7	0.08407	5.000	10.465	2.330
SRCPARAM VOL8	0.08407	5.000	10.465	2.330
SRCPARAM VOL9	0.08407	5.000	10.465	2.330
SRCPARAM VOL10	0.08407	5.000	10.465	2.330
SRCPARAM VOL11	0.08407	5.000	10.465	2.330
SRCPARAM VOL12	0.08407	5.000	10.465	2.330
SRCPARAM VOL13	0.08407	5.000	10.465	2.330
SRCPARAM VOL14	0.08407	5.000	10.465	2.330
SRCPARAM VOL15	0.08407	5.000	10.465	2.330
SRCPARAM VOL16	0.08407	5.000	10.465	2.330
SRCPARAM VOL17	0.08407	5.000	10.465	2.330
SRCPARAM VOL18	0.08407	5.000	10.465	2.330
SRCPARAM VOL19	0.08407	5.000	10.465	2.330
SRCPARAM VOL20	0.08407	5.000	10.465	2.330
SRCPARAM VOL21	0.08407	5.000	10.465	2.330
SRCPARAM VOL22	0.08407	5.000	10.465	2.330
SRCPARAM VOL23	0.08407	5.000	10.465	2.330
SRCPARAM VOL24	0.08407	5.000	10.465	2.330
SRCPARAM VOL25	0.08407	5.000	10.465	2.330

URBANSRC ALL

CONCUNIT 873.2 GRAMS/SEC PPM

SRCGROUP ALL

SO FINISHED

**

** AERMOD Receptor Pathway

**

**

RE STARTING

INCLUDED COMit.rou

RE FINISHED

**

** AERMOD Meteorology Pathway

**

**

ME STARTING

SURFFILE ..\..\peri8.sfc

PROFFILE ..\..\peri8.PFL

SURFDATA 3190 2007

UAIRDATA 3190 2007

SITEDATA 99999 2007

PROFBASE 442.0 METERS

ME FINISHED

Aermod LST Construction Outputs

**

** AERMOD Output Pathway

**

**

OU STARTING

RECTABLE ALLAVE 1ST

RECTABLE 1 1ST

RECTABLE 8 1ST

** Auto-Generated Plotfiles

PLOTFILE 1 ALL 1ST COMIT.AD\01H1GALL.PLT 31

PLOTFILE 8 ALL 1ST COMIT.AD\08H1GALL.PLT 32

SUMMFILE COMit.sum

OU FINISHED

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

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

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

***** FATAL ERROR MESSAGES *****

*** NONE ***

***** WARNING MESSAGES *****

SO W320	64	APARM: Input Parameter May Be Out-of-Range for Parameter
QS		
ME W531	116	MEOPEN: CAUTION! Met Station ID Missing from SURFFILE for
SURFDATA		

*** SETUP Finishes Successfully ***

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10/21/15

*** AERMET - VERSION 14134 ***

09:04:00

PAGE 1

**MODELOPTs: RegDFAULT CONC ELEV FLGPOL URBAN

Aermod LST Construction Outputs

*** 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 26 Source(s),
for Total of 1 Urban Area(s):

Urban Population = 2100516.0 ; 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:

TEMP_Sub - Meteorological data includes TEMP substitutions

**Model Accepts FLAGPOLE Receptor Heights.

**The User Specified a Pollutant Type of: CO

**Model Calculates 2 Short Term Average(s) of: 1-HR 8-HR

**This Run Includes: 26 Source(s); 1 Source Group(s); and 8
Receptor(s)

with: 0 POINT(s), including
0 POINTCAP(s) and 0 POINTHOR(s)
and: 25 VOLUME source(s)
and: 1 AREA type source(s)
and: 0 LINE source(s)
and: 0 OPENPIT source(s)

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

**The AERMET Input Meteorological Data Version Date: 14134

Aermod LST Construction Outputs

**Output Options Selected:

Model Outputs Tables of Highest Short Term Values by Receptor (RECTABLE
Keyword)
Model Outputs External File(s) of High Values for Plotting (PLOTFILE
Keyword)
Model Outputs Separate Summary File of High Ranked Values (SUMMFILE
Keyword)

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

**Misc. Inputs: Base Elev. for Pot. Temp. Profile (m MSL) = 442.00 ; Decay
Coef. = 0.000 ; Rot. Angle = 0.0
Emission Units = GRAMS/SEC ;
Emission Rate Unit Factor = 873.20
Output Units = PPM

**Approximate Storage Requirements of Model = 3.5 MB of RAM.

**Detailed Error/Message File: COMit.err

**File for Summary of Results: COMit.sum

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**MODELOPTs: RegDFAULT CONC PAGE 2
ELEV FLGPOL URBAN

*** VOLUME SOURCE DATA ***

INIT.	URBAN	NUMBER EMISSION RATE	BASE	RELEASE	INIT.
SOURCE	EMISSION RATE				
SZ	SOURCE	PART. (USER UNITS)	X	Y	ELEV.
ID	SCALAR VARY				HEIGHT
(METERS)	CATS.	(METERS)	(METERS)	(METERS)	(METERS)
	BY				
VOL1	0	0.84067E-01	478070.8	3748388.2	451.0
					5.00
					10.47

Aermod LST Construction Outputs

2.33	YES							
VOL2		0	0.84070E-01	478110.0	3748388.5	451.0	5.00	10.47
2.33	YES							
VOL3		0	0.84070E-01	478155.7	3748388.9	451.0	5.00	10.47
2.33	YES							
VOL4		0	0.84070E-01	478201.9	3748387.7	451.0	5.00	10.47
2.33	YES							
VOL5		0	0.84070E-01	478248.5	3748387.6	451.0	5.00	10.47
2.33	YES							
VOL6		0	0.84070E-01	478071.2	3748341.5	451.0	5.00	10.47
2.33	YES							
VOL7		0	0.84070E-01	478116.4	3748340.9	451.0	5.00	10.47
2.33	YES							
VOL8		0	0.84070E-01	478162.5	3748340.6	451.0	5.00	10.47
2.33	YES							
VOL9		0	0.84070E-01	478207.9	3748340.8	451.0	5.00	10.47
2.33	YES							
VOL10		0	0.84070E-01	478250.1	3748341.2	451.0	5.00	10.47
2.33	YES							
VOL11		0	0.84070E-01	478072.1	3748294.9	450.0	5.00	10.47
2.33	YES							
VOL12		0	0.84070E-01	478118.4	3748294.8	450.0	5.00	10.47
2.33	YES							
VOL13		0	0.84070E-01	478164.7	3748295.8	450.0	5.00	10.47
2.33	YES							
VOL14		0	0.84070E-01	478210.0	3748296.0	450.0	5.00	10.47
2.33	YES							
VOL15		0	0.84070E-01	478250.7	3748295.9	450.0	5.00	10.47
2.33	YES							
VOL16		0	0.84070E-01	478072.8	3748248.2	450.0	5.00	10.47
2.33	YES							
VOL17		0	0.84070E-01	478119.0	3748248.8	450.0	5.00	10.47
2.33	YES							
VOL18		0	0.84070E-01	478164.8	3748249.2	450.0	5.00	10.47
2.33	YES							
VOL19		0	0.84070E-01	478209.8	3748250.0	450.0	5.00	10.47
2.33	YES							
VOL20		0	0.84070E-01	478250.1	3748249.9	450.0	5.00	10.47
2.33	YES							
VOL21		0	0.84070E-01	478072.1	3748211.1	450.0	5.00	10.47
2.33	YES							
VOL22		0	0.84070E-01	478117.7	3748212.3	450.0	5.00	10.47
2.33	YES							
VOL23		0	0.84070E-01	478163.5	3748213.7	450.0	5.00	10.47
2.33	YES							
VOL24		0	0.84070E-01	478208.6	3748213.6	450.0	5.00	10.47
2.33	YES							
VOL25		0	0.84070E-01	478250.1	3748212.4	450.0	5.00	10.47

Aermod LST Construction Outputs

2.33 YES

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**MODELOPTs: RegDFAULT CONC ELEV FLGPOL URBAN

*** AREA SOURCE DATA ***

Y-DIM	ORIENT.	NUMBER INIT.	EMISSION RATE URBAN	COORD (SW CORNER) EMISSION RATE	BASE ELEV.	RELEASE HEIGHT	X-DIM OF AREA
SOURCE OF AREA ID (METERS)	PART. CATS. (DEG.)	(USER UNITS SZ (METERS)	SCALAR VARY (METERS)**2)	X (METERS) BY	Y (METERS)	(METERS)	(METERS)
AREA1	0	0.00000E+00	478048.0	3748188.0	450.0	0.00	224.91
224.91	0.00	1.00	YES				

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**MODELOPTs: RegDFAULT CONC ELEV FLGPOL URBAN

*** SOURCE IDs DEFINING SOURCE GROUPS

SRCGROUP ID	SOURCE IDs
ALL	AREA1, VOL1, VOL2, VOL3, VOL4,
VOL5	, VOL6, VOL7,
	VOL8, VOL9, VOL10, VOL11, VOL12,
VOL13	, VOL14, VOL15,
	VOL16, VOL17, VOL18, VOL19, VOL20,
VOL21	, VOL22, VOL23,

Aermod LST Construction Outputs

VOL24 , VOL25 ,
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 **MODELOPTs: RegDFAULT CONC ELEV FLGPOL URBAN

*** SOURCE IDs DEFINED AS URBAN SOURCES

URBAN ID	URBAN POP	SOURCE IDs
-----	-----	-----
VOL4	2100516.	AREA1 , VOL1 , VOL2 , VOL3 ,
VOL7	, VOL5 ,	, VOL6 ,
VOL13	VOL8 , VOL14	, VOL9 , VOL10 , VOL11 , VOL12 ,
VOL21	VOL16 , VOL22	, VOL17 , VOL18 , VOL19 , VOL20 ,
	VOL23	,

VOL24 , VOL25 ,
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 **MODELOPTs: RegDFAULT CONC ELEV FLGPOL URBAN

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

(477994.2, 3749818.5, 458.0, 458.0, 2.0);	(478348.6,
3749820.7, 458.3, 458.3, 2.0);	
(478324.0, 3749446.9, 456.0, 456.0, 2.0);	(478321.9,
3749107.7, 454.0, 454.0, 2.0);	
(478311.5, 3748947.3, 453.0, 453.0, 2.0);	(478314.5,
3748704.1, 452.0, 452.0, 2.0);	
(478309.7, 3748401.3, 451.0, 451.0, 2.0);	(478302.7,
3748248.4, 450.0, 450.0, 2.0);	

Aermod LST Construction Outputs

DATA ***

Surface file: ..\..\peri8.sfc
Met Version: 14134
Profile file: ..\..\peri8.PFL

Surface format: FREE

Profile format: FREE

Surface station no.: 3190
Name: UNKNOWN

Upper air station no.: 3190
Name: UNKNOWN

Year: 2007

Year: 2007

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							
07	01	01	1	01	-0.5	0.026	-9.000	-9.000	-999.	10.	3.0	0.19	1.00	
1.00	0.50	133.		9.1	279.9	5.5								
07	01	01	1	02	-0.5	0.026	-9.000	-9.000	-999.	10.	3.0	0.19	1.00	
1.00	0.50	192.		9.1	279.2	5.5								
07	01	01	1	03	-0.5	0.026	-9.000	-9.000	-999.	10.	3.0	0.19	1.00	
1.00	0.50	160.		9.1	277.5	5.5								
07	01	01	1	04	-0.5	0.026	-9.000	-9.000	-999.	10.	3.0	0.19	1.00	
1.00	0.50	75.		9.1	277.5	5.5								
07	01	01	1	05	-0.6	0.026	-9.000	-9.000	-999.	10.	2.6	0.19	1.00	
1.00	0.50	282.		9.1	278.8	5.5								
07	01	01	1	06	-0.6	0.026	-9.000	-9.000	-999.	10.	2.6	0.19	1.00	
1.00	0.50	96.		9.1	277.5	5.5								
07	01	01	1	07	-0.5	0.026	-9.000	-9.000	-999.	10.	3.0	0.19	1.00	
1.00	0.50	129.		9.1	278.1	5.5								
07	01	01	1	08	-0.4	0.026	-9.000	-9.000	-999.	10.	3.7	0.19	1.00	
0.54	0.50	99.		9.1	277.5	5.5								
07	01	01	1	09	27.8	0.091	0.542	0.005	196.	66.	-2.3	0.19	1.00	
0.33	0.50	133.		9.1	278.1	5.5								
07	01	01	1	10	76.9	0.104	1.050	0.005	516.	81.	-1.3	0.19	1.00	
0.26	0.50	174.		9.1	281.4	5.5								
07	01	01	1	11	110.0	0.109	1.374	0.009	810.	87.	-1.0	0.19	1.00	
0.23	0.50	95.		9.1	284.9	5.5								
07	01	01	1	12	125.7	0.201	1.589	0.018	1095.	216.	-5.5	0.19	1.00	
0.22	1.30	94.		9.1	288.1	5.5								
07	01	01	1	13	121.7	0.287	1.641	0.022	1248.	369.	-16.6	0.19	1.00	
0.22	2.20	24.		9.1	291.4	5.5								
07	01	01	1	14	102.8	0.414	1.559	0.021	1265.	639.	-59.1	0.19	1.00	
0.23	3.60	13.		9.1	292.5	5.5								

Aermod LST Construction Outputs

07	01	01	1	15	69.9	0.619	1.374	0.021	1276.	1169.	-291.2	0.19	1.00
0.27	5.80	318.			9.1	292.0	5.5						
07	01	01	1	16	16.8	0.607	0.856	0.021	1277.	1135.	-1137.8	0.19	1.00
0.36	5.80	329.			9.1	291.4	5.5						
07	01	01	1	17	-42.2	0.437	-9.000	-9.000	-999.	720.	169.3	0.19	1.00
0.64	4.50	333.			9.1	289.9	5.5						
07	01	01	1	18	-18.5	0.353	-9.000	-9.000	-999.	510.	204.1	0.19	1.00
1.00	3.60	305.			9.1	288.8	5.5						
07	01	01	1	19	-42.3	0.437	-9.000	-9.000	-999.	692.	168.7	0.19	1.00
1.00	4.50	276.			9.1	287.5	5.5						
07	01	01	1	20	-32.3	0.334	-9.000	-9.000	-999.	470.	98.6	0.19	1.00
1.00	3.60	323.			9.1	287.5	5.5						
07	01	01	1	21	-36.7	0.380	-9.000	-9.000	-999.	562.	128.3	0.19	1.00
1.00	4.00	322.			9.1	288.1	5.5						
07	01	01	1	22	-45.6	0.434	-9.000	-9.000	-999.	685.	153.6	0.19	1.00
1.00	4.50	30.			9.1	288.1	5.5						
07	01	01	1	23	-39.7	0.377	-9.000	-9.000	-999.	557.	115.4	0.19	1.00
1.00	4.00	343.			9.1	287.0	5.5						
07	01	01	1	24	-7.7	0.093	-9.000	-9.000	-999.	215.	9.1	0.19	1.00
1.00	1.80	155.			9.1	283.8	5.5						

First hour of profile data

YR	MO	DY	HR	HEIGHT	F	WDIR	WSPD	AMB_TMP	sigmaA	sigmaW	sigmaV
07	01	01	01	5.5	0	-999.	-99.00	279.9	99.0	-99.00	-99.00
07	01	01	01	9.1	1	133.	0.50	-999.0	99.0	-99.00	-99.00

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

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 *** 09:04:00

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**MODELOPTs: RegDFAULT CONC ELEV FLGPOL URBAN

*** THE 1ST HIGHEST 1-HR AVERAGE CONCENTRATION

 VALUES FOR SOURCE GROUP: ALL
 INCLUDING SOURCE(S): AREA1 , VOL1
 , VOL2 , VOL3 , VOL4 ,
 VOL5 , VOL6 , VOL7 , VOL8 , VOL9
 , VOL10 , VOL11 , VOL12 ,
 VOL13 , VOL14 , VOL15 , VOL16 , VOL17
 , VOL18 , VOL19 , VOL20 ,
 VOL21 , VOL22 , VOL23 , VOL24 , VOL25
 ,

*** DISCRETE CARTESIAN RECEPTOR POINTS

Aermod LST Construction Outputs

```

** CONC OF CO      IN PPM

**

X-COORD (M) Y-COORD (M) CONC (YYMMDDHH) X-COORD (M)
Y-COORD (M) CONC (YYMMDDHH)
- - - - -
477994.17 3749818.50 0.04884 (08082923) 478348.59
3749820.73 0.04877 (11062823)
478323.98 3749446.94 0.06184 (10102506) 478321.90
3749107.70 0.06792 (09051904)
478311.50 3748947.34 0.05866 (09051904) 478314.46
3748704.06 0.09948 (08101020)
478309.66 3748401.33 0.28769 (08010616) 478302.71
3748248.43 0.32331 (08092419)
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*** 09:04:00

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**MODELOPTs: RegDFAULT CONC ELEV FLGPOL URBAN

*** THE 1ST HIGHEST 8-HR AVERAGE CONCENTRATION
VALUES FOR SOURCE GROUP: ALL ***
INCLUDING SOURCE(S): AREA1 , VOL1
, VOL2 , VOL3 , VOL4 ,
VOL5 , VOL6 , VOL7 , VOL8 , VOL9
, VOL10 , VOL11 , VOL12 ,
VOL13 , VOL14 , VOL15 , VOL16 , VOL17
, VOL18 , VOL19 , VOL20 ,
VOL21 , VOL22 , VOL23 , VOL24 , VOL25
,

```

*** DISCRETE CARTESIAN RECEPTOR POINTS

```

** CONC OF CO      IN PPM

**

X-COORD (M) Y-COORD (M) CONC (YYMMDDHH) X-COORD (M)
Y-COORD (M) CONC (YYMMDDHH)
- - - - -
477994.17 3749818.50 0.02458 (08110424) 478348.59
3749820.73 0.02085m (11010808)

```


Aermod LST Construction Outputs

478323.98	3749446.94	0.02968	(07120724)	478321.90
3749107.70	0.03575	(07120724)		
478311.50	3748947.34	0.03047	(07120724)	478314.46
3748704.06	0.05888	(07120724)		
478309.66	3748401.33	0.18450	(09120524)	478302.71
3748248.43	0.26612m	(10060508)		

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 **MODELOPTs: RegDFAULT CONC ELEV FLGPOL URBAN

*** THE SUMMARY OF HIGHEST 1-HR
 RESULTS ***

** CONC OF CO IN PPM
 **

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

ALL HIGH 1ST HIGH VALUE IS 0.32331 ON 08092419: AT (478302.71,
 3748248.43, 450.00, 450.00, 2.00) DC

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

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 **MODELOPTs: RegDFAULT CONC ELEV FLGPOL URBAN

*** THE SUMMARY OF HIGHEST 8-HR
 RESULTS ***

Aermod LST Construction Outputs

** CONC OF CO IN PPM

**

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

ALL HIGH 1ST HIGH VALUE IS 0.26612m ON 10060508: AT (478302.71,
3748248.43, 450.00, 450.00, 2.00) DC

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

♀ *** AERMOD - VERSION 15181 *** C:\Lakes\AERMOD
View\MVL\ConstructionLSTs\COMit\COMit.isc *** 10/21/15
*** AERMET - VERSION 14134 ***
*** 09:04:00

PAGE 13
**MODELOPTs: RegDFAULT CONC ELEV FLGPOL URBAN

*** 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 1895 Informational Message(s)

A Total of 43824 Hours Were Processed

A Total of 90 Calm Hours Identified

A Total of 1805 Missing Hours Identified (4.12 Percent)

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

***** WARNING MESSAGES *****
SO W320 64 APARM: Input Parameter May Be Out-of-Range for Parameter
QS

Aermod LST Construction Outputs
ME W531 116 MEOPEN: CAUTION! Met Station ID Missing from SURFFILE for
SURFDATA

*** AERMOD Finishes Successfully ***

**

**
** AERMOD Input Produced by:
** AERMOD View Ver. 9.0.0
** Lakes Environmental Software Inc.
** Date: 10/21/2015
** File: C:\Lakes\AERMOD View\MVL\ConstructionLSTs\NOx\NOx.ADI
**

**
**

** AERMOD Control Pathway

**
**

CO STARTING
TITLEONE C:\Lakes\AERMOD View\MVL\ConstructionLSTs\NOx\NOx.isc
MODELOPT DFAULT CONC ARM
AVERTIME 1 ANNUAL
URBANOPT 2100516
POLLUTID NO2 H1H
FLAGPOLE 2.00
RUNORNOT RUN
** NO2 Conversion Options
ARMRATIO 0.800 0.750
ERRORFIL NOx.err

CO FINISHED
**

** AERMOD Source Pathway

**
**

SO STARTING
** Source Location **
** Source ID - Type - X Coord. - Y Coord. **
LOCATION AREA1 AREA 478047.969 3748187.953 450.000
LOCATION VOL1 VOLUME 478070.839 3748388.229 451.000
LOCATION VOL2 VOLUME 478109.978 3748388.492 451.000

Aermod LST Construction Outputs

LOCATION VOL3	VOLUME	478155.664	3748388.861	451.000
LOCATION VOL4	VOLUME	478201.945	3748387.710	451.000
LOCATION VOL5	VOLUME	478248.464	3748387.596	451.000
LOCATION VOL6	VOLUME	478071.156	3748341.530	451.000
LOCATION VOL7	VOLUME	478116.367	3748340.884	451.000
LOCATION VOL8	VOLUME	478162.533	3748340.603	451.000
LOCATION VOL9	VOLUME	478207.913	3748340.800	451.000
LOCATION VOL10	VOLUME	478250.063	3748341.249	451.000
LOCATION VOL11	VOLUME	478072.131	3748294.893	450.000
LOCATION VOL12	VOLUME	478118.375	3748294.833	450.000
LOCATION VOL13	VOLUME	478164.707	3748295.848	450.000
LOCATION VOL14	VOLUME	478210.020	3748295.988	450.000
LOCATION VOL15	VOLUME	478250.725	3748295.874	450.000
LOCATION VOL16	VOLUME	478072.771	3748248.193	450.000
LOCATION VOL17	VOLUME	478118.951	3748248.839	450.000
LOCATION VOL18	VOLUME	478164.794	3748249.205	450.000
LOCATION VOL19	VOLUME	478209.850	3748250.048	450.000
LOCATION VOL20	VOLUME	478250.063	3748249.851	450.000
LOCATION VOL21	VOLUME	478072.125	3748211.052	450.000
LOCATION VOL22	VOLUME	478117.659	3748212.344	450.000
LOCATION VOL23	VOLUME	478163.502	3748213.679	450.000
LOCATION VOL24	VOLUME	478208.559	3748213.553	450.000
LOCATION VOL25	VOLUME	478250.063	3748212.387	450.000

** Source Parameters **

SRCPARAM AREA1	0.0	0.000	224.913	224.913	0.000

1.000

SRCPARAM VOL1	0.1794260218	5.000	10.465	2.326
SRCPARAM VOL2	0.1794	5.000	10.465	2.326
SRCPARAM VOL3	0.1794	5.000	10.465	2.330
SRCPARAM VOL4	0.1794	5.000	10.465	2.330
SRCPARAM VOL5	0.1794	5.000	10.465	2.330
SRCPARAM VOL6	0.1794	5.000	10.465	2.330
SRCPARAM VOL7	0.1794	5.000	10.465	2.330
SRCPARAM VOL8	0.1794	5.000	10.465	2.330
SRCPARAM VOL9	0.1794	5.000	10.465	2.330
SRCPARAM VOL10	0.1794	5.000	10.465	2.330
SRCPARAM VOL11	0.1794	5.000	10.465	2.330
SRCPARAM VOL12	0.1794	5.000	10.465	2.330
SRCPARAM VOL13	0.1794	5.000	10.465	2.330
SRCPARAM VOL14	0.1794	5.000	10.465	2.330
SRCPARAM VOL15	0.1794	5.000	10.465	2.330
SRCPARAM VOL16	0.1794	5.000	10.465	2.330
SRCPARAM VOL17	0.1794	5.000	10.465	2.330
SRCPARAM VOL18	0.1794	5.000	10.465	2.330
SRCPARAM VOL19	0.1794	5.000	10.465	2.330
SRCPARAM VOL20	0.1794	5.000	10.465	2.330
SRCPARAM VOL21	0.1794	5.000	10.465	2.330
SRCPARAM VOL22	0.1794	5.000	10.465	2.330

```

                                Aermod LST Construction Outputs
SRCPARAM VOL23                0.1794    5.000    10.465    2.330
SRCPARAM VOL24                0.1794    5.000    10.465    2.330
SRCPARAM VOL25                0.1794    5.000    10.465    2.330
URBANSRC ALL
CONCUNIT 531.5 GRAMS/SEC PPM
SRCGROUP ALL
SO FINISHED
**
*****
** AERMOD Receptor Pathway
*****
**
**
RE STARTING
  INCLUDED NOx.rou
RE FINISHED
**
*****
** AERMOD Meteorology Pathway
*****
**
**
ME STARTING
  SURFFILE ..\..\peri8.sfc
  PROFFILE ..\..\peri8.PFL
  SURFDATA 3190 2007
  UAIRDATA 3190 2007
  SITEDATA 99999 2007
  PROFBASE 442.0 METERS
ME FINISHED
**
*****
** AERMOD Output Pathway
*****
**
**
OU STARTING
  RECTABLE ALLAVE 1ST
  RECTABLE 1 1ST
** Auto-Generated Plotfiles
  PLOTFILE 1 ALL 1ST NOX.AD\01H1GALL.PLT 31
  PLOTFILE ANNUAL ALL NOX.AD\AN00GALL.PLT 32
  SUMMFILE NOx.sum
OU FINISHED

```

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

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

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Aermod LST Construction Outputs

****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. Ambient Ratio Method (ARM) Used for NO2 Conversion
 with a 1-hour NO2/NOx Ratio of 0.800
 with an Annual NO2/NOx Ratio of 0.750
7. Urban Roughness Length of 1.0 Meter Assumed.

****Other Options Specified:**

TEMP_Sub - Meteorological data includes TEMP substitutions

****Model Accepts FLAGPOLE Receptor Heights.**

****The User Specified a Pollutant Type of: NO2**

****NOTE:** Special processing requirements applicable for the 1-hour NO2 NAAQS have been disabled!!!

User has specified H1H on the POLLUTID keyword.

High ranked 1-hour values are NOT averaged across the number of years modeled, and
complete years of data are NOT required.

****Model Calculates 1 Short Term Average(s) of: 1-HR
and Calculates ANNUAL Averages**

****This Run Includes: 26 Source(s); 1 Source Group(s); and 8
Receptor(s)**

with: 0 POINT(s), including
 0 POINTCAP(s) and 0 POINTHOR(s)
and: 25 VOLUME source(s)
and: 1 AREA type source(s)
and: 0 LINE source(s)
and: 0 OPENPIT source(s)

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

****The AERMET Input Meteorological Data Version Date: 14134**

****Output Options Selected:**

Model Outputs Tables of ANNUAL Averages by Receptor

Model Outputs Tables of Highest Short Term Values by Receptor (RECTABLE
Keyword)

Model Outputs External File(s) of High Values for Plotting (PLOTFILE

Aermod LST Construction Outputs

Keyword)

Model Outputs Separate Summary File of High Ranked Values (SUMMFILE

Keyword)

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

Hours

b for Both Calm

and Missing Hours

**Misc. Inputs: Base Elev. for Pot. Temp. Profile (m MSL) = 442.00 ; Decay
Coef. = 0.000 ; Rot. Angle = 0.0
Emission Units = GRAMS/SEC ;
Emission Rate Unit Factor = 531.50
Output Units = PPM

**Approximate Storage Requirements of Model = 3.5 MB of RAM.

**Detailed Error/Message File: NOx.err

**File for Summary of Results: NOx.sum

♀ *** AERMOD - VERSION 15181 *** *** C:\Lakes\AERMOD
View\MVL\ConstructionLSTs\NOx\NOx.isc *** 10/21/15
*** AERMET - VERSION 14134 *** ***
*** 10:44:52

**MODELOPTs: RegDFAULT CONC PAGE 2
ELEV FLGPOL ARM URBAN

*** VOLUME SOURCE DATA ***

INIT.	URBAN	NUMBER EMISSION RATE	BASE	RELEASE	INIT.
SOURCE	EMISSION RATE				
SZ	PART. (USER UNITS)	X	Y	ELEV.	HEIGHT
ID	SCALAR VARY	(METERS)	(METERS)	(METERS)	(METERS)
(METERS)	CATS.	BY			

VOL1	0	0.17943E+00	478070.8	3748388.2	451.0	5.00	10.47
2.33	YES						
VOL2	0	0.17940E+00	478110.0	3748388.5	451.0	5.00	10.47
2.33	YES						
VOL3	0	0.17940E+00	478155.7	3748388.9	451.0	5.00	10.47
2.33	YES						

Aermod LST Construction Outputs

VOL4		0	0.17940E+00	478201.9	3748387.7	451.0	5.00	10.47
2.33	YES							
VOL5		0	0.17940E+00	478248.5	3748387.6	451.0	5.00	10.47
2.33	YES							
VOL6		0	0.17940E+00	478071.2	3748341.5	451.0	5.00	10.47
2.33	YES							
VOL7		0	0.17940E+00	478116.4	3748340.9	451.0	5.00	10.47
2.33	YES							
VOL8		0	0.17940E+00	478162.5	3748340.6	451.0	5.00	10.47
2.33	YES							
VOL9		0	0.17940E+00	478207.9	3748340.8	451.0	5.00	10.47
2.33	YES							
VOL10		0	0.17940E+00	478250.1	3748341.2	451.0	5.00	10.47
2.33	YES							
VOL11		0	0.17940E+00	478072.1	3748294.9	450.0	5.00	10.47
2.33	YES							
VOL12		0	0.17940E+00	478118.4	3748294.8	450.0	5.00	10.47
2.33	YES							
VOL13		0	0.17940E+00	478164.7	3748295.8	450.0	5.00	10.47
2.33	YES							
VOL14		0	0.17940E+00	478210.0	3748296.0	450.0	5.00	10.47
2.33	YES							
VOL15		0	0.17940E+00	478250.7	3748295.9	450.0	5.00	10.47
2.33	YES							
VOL16		0	0.17940E+00	478072.8	3748248.2	450.0	5.00	10.47
2.33	YES							
VOL17		0	0.17940E+00	478119.0	3748248.8	450.0	5.00	10.47
2.33	YES							
VOL18		0	0.17940E+00	478164.8	3748249.2	450.0	5.00	10.47
2.33	YES							
VOL19		0	0.17940E+00	478209.8	3748250.0	450.0	5.00	10.47
2.33	YES							
VOL20		0	0.17940E+00	478250.1	3748249.9	450.0	5.00	10.47
2.33	YES							
VOL21		0	0.17940E+00	478072.1	3748211.1	450.0	5.00	10.47
2.33	YES							
VOL22		0	0.17940E+00	478117.7	3748212.3	450.0	5.00	10.47
2.33	YES							
VOL23		0	0.17940E+00	478163.5	3748213.7	450.0	5.00	10.47
2.33	YES							
VOL24		0	0.17940E+00	478208.6	3748213.6	450.0	5.00	10.47
2.33	YES							
VOL25		0	0.17940E+00	478250.1	3748212.4	450.0	5.00	10.47
2.33	YES							

♀ *** AERMOD - VERSION 15181 *** *** C:\Lakes\AERMOD
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10/21/15

*** AERMET - VERSION 14134 ***

10:44:52

Aermod LST Construction Outputs

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**MODELOPTs: RegDFAULT CONC ELEV FLGPOL ARM URBAN

*** AREA SOURCE DATA ***

Y-DIM	ORIENT.	NUMBER	EMISSION RATE	COORD (SW CORNER)	BASE	RELEASE	X-DIM
SOURCE	PART.	INIT.	URBAN	EMISSION RATE			
OF AREA	OF AREA	SZ	SOURCE	SCALAR VARY	ELEV.	HEIGHT	OF AREA
ID	CATS.	/METER**2)	(METERS)	(METERS)	(METERS)	(METERS)	(METERS)
(METERS)	(DEG.)	(METERS)	BY				
AREA1	0	0.00000E+00	478048.0	3748188.0	450.0	0.00	224.91
224.91	0.00	1.00	YES				

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*** AERMET - VERSION 14134 ***
*** 10:44:52

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**MODELOPTs: RegDFAULT CONC ELEV FLGPOL ARM URBAN

*** SOURCE IDs DEFINING SOURCE GROUPS

SRCGROUP ID	SOURCE IDs
-----	-----
ALL	AREA1 , VOL1 , VOL2 , VOL3 , VOL4 ,
VOL5	, VOL6 , VOL7 ,
	VOL8 , VOL9 , VOL10 , VOL11 , VOL12 ,
VOL13	, VOL14 , VOL15 ,
	VOL16 , VOL17 , VOL18 , VOL19 , VOL20 ,
VOL21	, VOL22 , VOL23 ,
	VOL24 , VOL25 ,

♀ *** AERMOD - VERSION 15181 *** C:\Lakes\AERMOD
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*** AERMET - VERSION 14134 ***
*** 10:44:52

Aermod LST Construction Outputs

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****MODELOPTs:** RegDFAULT CONC

ELEV

FLGPOL

ARM

URBAN

*** SOURCE IDs DEFINED AS URBAN SOURCES

URBAN ID	URBAN POP

SOURCE IDs

	2100516.	AREA1	, VOL1	, VOL2	, VOL3	,
VOL4	, VOL5	, VOL6	,			
VOL7	,					
	VOL8	, VOL9	, VOL10	, VOL11	, VOL12	,
VOL13	, VOL14	, VOL15	,			
	VOL16	, VOL17	, VOL18	, VOL19	, VOL20	,
VOL21	, VOL22	, VOL23	,			
	VOL24	, VOL25	,			

```

♀ *** AERMOD - VERSION 15181 ***      *** C:\Lakes\AERMOD
View\MVL\ConstructionLSTs\NOx\NOx.isc      ***      10/21/15
*** AERMET - VERSION 14134 ***      ***
***      10:44:52

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```
**MODELOPTs:  RegDFAULT CONC
```

ELEV

FLGPOL

ARM

URBAN

```

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

```

```
( 477994.2, 3749818.5, 458.0, 458.0, 2.0); ( 478348.6,
3749820.7, 458.3, 458.3, 2.0);
( 478324.0, 3749446.9, 456.0, 456.0, 2.0); ( 478321.9,
3749107.7, 454.0, 454.0, 2.0);
( 478311.5, 3748947.3, 453.0, 453.0, 2.0); ( 478314.5,
3748704.1, 452.0, 452.0, 2.0);
( 478309.7, 3748401.3, 451.0, 451.0, 2.0); ( 478302.7,
3748248.4, 450.0, 450.0, 2.0);
```

```

♀ *** AERMOD - VERSION 15181 ***      *** C:\Lakes\AERMOD
View\MVL\ConstructionLSTs\NOx\NOx.isc      ***      10/21/15
*** AERMET - VERSION 14134 ***      ***
***      10:44:52

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Aermod LST Construction Outputs

Surface format: FREE

Profile format: FREE

Surface station no.: 3190
Name: UNKNOWN

Upper air station no.: 3190
Name: UNKNOWN

Year: 2007

Year: 2007

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							
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
07	01	01	1	01	-0.5	0.026	-9.000	-9.000	-999.	10.	3.0	0.19	1.00	
1.00	0.50	133.			9.1	279.9	5.5							
07	01	01	1	02	-0.5	0.026	-9.000	-9.000	-999.	10.	3.0	0.19	1.00	
1.00	0.50	192.			9.1	279.2	5.5							
07	01	01	1	03	-0.5	0.026	-9.000	-9.000	-999.	10.	3.0	0.19	1.00	
1.00	0.50	160.			9.1	277.5	5.5							
07	01	01	1	04	-0.5	0.026	-9.000	-9.000	-999.	10.	3.0	0.19	1.00	
1.00	0.50	75.			9.1	277.5	5.5							
07	01	01	1	05	-0.6	0.026	-9.000	-9.000	-999.	10.	2.6	0.19	1.00	
1.00	0.50	282.			9.1	278.8	5.5							
07	01	01	1	06	-0.6	0.026	-9.000	-9.000	-999.	10.	2.6	0.19	1.00	
1.00	0.50	96.			9.1	277.5	5.5							
07	01	01	1	07	-0.5	0.026	-9.000	-9.000	-999.	10.	3.0	0.19	1.00	
1.00	0.50	129.			9.1	278.1	5.5							
07	01	01	1	08	-0.4	0.026	-9.000	-9.000	-999.	10.	3.7	0.19	1.00	
0.54	0.50	99.			9.1	277.5	5.5							
07	01	01	1	09	27.8	0.091	0.542	0.005	196.	66.	-2.3	0.19	1.00	
0.33	0.50	133.			9.1	278.1	5.5							
07	01	01	1	10	76.9	0.104	1.050	0.005	516.	81.	-1.3	0.19	1.00	
0.26	0.50	174.			9.1	281.4	5.5							
07	01	01	1	11	110.0	0.109	1.374	0.009	810.	87.	-1.0	0.19	1.00	
0.23	0.50	95.			9.1	284.9	5.5							
07	01	01	1	12	125.7	0.201	1.589	0.018	1095.	216.	-5.5	0.19	1.00	
0.22	1.30	94.			9.1	288.1	5.5							
07	01	01	1	13	121.7	0.287	1.641	0.022	1248.	369.	-16.6	0.19	1.00	
0.22	2.20	24.			9.1	291.4	5.5							
07	01	01	1	14	102.8	0.414	1.559	0.021	1265.	639.	-59.1	0.19	1.00	
0.23	3.60	13.			9.1	292.5	5.5							
07	01	01	1	15	69.9	0.619	1.374	0.021	1276.	1169.	-291.2	0.19	1.00	
0.27	5.80	318.			9.1	292.0	5.5							
07	01	01	1	16	16.8	0.607	0.856	0.021	1277.	1135.	-1137.8	0.19	1.00	
0.36	5.80	329.			9.1	291.4	5.5							
07	01	01	1	17	-42.2	0.437	-9.000	-9.000	-999.	720.	169.3	0.19	1.00	

Aermod LST Construction Outputs

0.64	4.50	333.	9.1	289.9	5.5								
07	01	01	1	18	-18.5	0.353	-9.000	-9.000	-999.	510.	204.1	0.19	1.00
1.00	3.60	305.	9.1	288.8	5.5								
07	01	01	1	19	-42.3	0.437	-9.000	-9.000	-999.	692.	168.7	0.19	1.00
1.00	4.50	276.	9.1	287.5	5.5								
07	01	01	1	20	-32.3	0.334	-9.000	-9.000	-999.	470.	98.6	0.19	1.00
1.00	3.60	323.	9.1	287.5	5.5								
07	01	01	1	21	-36.7	0.380	-9.000	-9.000	-999.	562.	128.3	0.19	1.00
1.00	4.00	322.	9.1	288.1	5.5								
07	01	01	1	22	-45.6	0.434	-9.000	-9.000	-999.	685.	153.6	0.19	1.00
1.00	4.50	30.	9.1	288.1	5.5								
07	01	01	1	23	-39.7	0.377	-9.000	-9.000	-999.	557.	115.4	0.19	1.00
1.00	4.00	343.	9.1	287.0	5.5								
07	01	01	1	24	-7.7	0.093	-9.000	-9.000	-999.	215.	9.1	0.19	1.00
1.00	1.80	155.	9.1	283.8	5.5								

First hour of profile data

YR	MO	DY	HR	HEIGHT	F	WDIR	WSPD	AMB_TMP	sigmaA	sigmaW	sigmaV
07	01	01	01	5.5	0	-999.	-99.00	279.9	99.0	-99.00	-99.00
07	01	01	01	9.1	1	133.	0.50	-999.0	99.0	-99.00	-99.00

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

♀ *** AERMOD - VERSION 15181 *** *** C:\Lakes\AERMOD
 View\MVL\ConstructionLSTs\NOx\NOx.isc *** 10/21/15
 *** AERMET - VERSION 14134 *** ***
 *** 10:44:52

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**MODELOPTs: RegDFAULT CONC ELEV FLGPOL ARM URBAN

*** THE ANNUAL AVERAGE CONCENTRATION VALUES AVERAGED OVER 5
 YEARS FOR SOURCE GROUP: ALL ***
 INCLUDING SOURCE(S): AREA1 , VOL1
 , VOL2 , VOL3 , VOL4 ,
 , VOL5 , VOL6 , VOL7 , VOL8 , VOL9
 , VOL10 , VOL11 , VOL12 ,
 , VOL13 , VOL14 , VOL15 , VOL16 , VOL17
 , VOL18 , VOL19 , VOL20 ,
 , VOL21 , VOL22 , VOL23 , VOL24 , VOL25
 ,

*** DISCRETE CARTESIAN RECEPTOR POINTS

** CONC OF NO2 IN PPM

**

Aermod LST Construction Outputs

X-COORD (M)	Y-COORD (M)	CONC	X-COORD (M)
Y-COORD (M)	CONC		

477994.17	3749818.50	0.00245	478348.59
3749820.73	0.00205		
478323.98	3749446.94	0.00317	478321.90
3749107.70	0.00524		
478311.50	3748947.34	0.00724	478314.46
3748704.06	0.01504		
478309.66	3748401.33	0.08123	478302.71
3748248.43	0.12850		

*** AERMOD - VERSION 15181 *** C:\Lakes\AERMOD
 View\MVL\ConstructionLSTs\NOx\NOx.isc *** 10/21/15
 *** AERMET - VERSION 14134 ***
 *** 10:44:52

**MODELOPTs: RegDFAULT CONC PAGE 10
 ELEV FLGPOL ARM URBAN

*** THE 1ST HIGHEST 1-HR AVERAGE CONCENTRATION
 VALUES FOR SOURCE GROUP: ALL ***
 INCLUDING SOURCE(S): AREA1 , VOL1
 , VOL2 , VOL3 , VOL4 ,
 , VOL5 , VOL6 , VOL7 , VOL8 , VOL9
 , VOL10 , VOL11 , VOL12 ,
 , VOL13 , VOL14 , VOL15 , VOL16 , VOL17
 , VOL18 , VOL19 , VOL20 ,
 , VOL21 , VOL22 , VOL23 , VOL24 , VOL25
 ,

*** DISCRETE CARTESIAN RECEPTOR POINTS

** CONC OF NO2 IN PPM
 **

X-COORD (M)	Y-COORD (M)	CONC	(YYMMDDHH)	X-COORD (M)
Y-COORD (M)	CONC	(YYMMDDHH)		

477994.17	3749818.50	0.05075	(08082923)	478348.59
3749820.73	0.05068	(11062823)		
478323.98	3749446.94	0.06426	(10102506)	478321.90
3749107.70	0.07057	(09051904)		
478311.50	3748947.34	0.06096	(09051904)	478314.46
3748704.06	0.10337	(08101020)		
478309.66	3748401.33	0.29894	(08010616)	478302.71

Aermod LST Construction Outputs

3748248.43 0.33596 (08092419)

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10/21/15

*** AERMET - VERSION 14134 *** ***

10:44:52

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**MODELOPTs: RegDFAULT CONC

ELEV

FLGPOL

ARM

URBAN

*** THE SUMMARY OF MAXIMUM ANNUAL RESULTS

AVERAGED OVER 5 YEARS ***

** CONC OF NO2

IN PPM

**

NETWORK

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

ALL	1ST HIGHEST VALUE IS	0.12850 AT (	478302.71,	3748248.43,
450.00,	450.00, 2.00) DC			
	2ND HIGHEST VALUE IS	0.08123 AT (	478309.66,	3748401.33,
451.00,	451.00, 2.00) DC			
	3RD HIGHEST VALUE IS	0.01504 AT (	478314.46,	3748704.06,
452.00,	452.00, 2.00) DC			
	4TH HIGHEST VALUE IS	0.00724 AT (	478311.50,	3748947.34,
453.00,	453.00, 2.00) DC			
	5TH HIGHEST VALUE IS	0.00524 AT (	478321.90,	3749107.70,
454.00,	454.00, 2.00) DC			
	6TH HIGHEST VALUE IS	0.00317 AT (	478323.98,	3749446.94,
456.00,	456.00, 2.00) DC			
	7TH HIGHEST VALUE IS	0.00245 AT (	477994.17,	3749818.50,
458.00,	458.00, 2.00) DC			
	8TH HIGHEST VALUE IS	0.00205 AT (	478348.59,	3749820.73,
458.30,	458.30, 2.00) DC			
	9TH HIGHEST VALUE IS	0.00000 AT (	0.00,	0.00,
0.00,	0.00, 0.00)			
	10TH HIGHEST VALUE IS	0.00000 AT (	0.00,	0.00,
0.00,	0.00, 0.00)			

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

Aermod LST Construction Outputs

DP = DISCPOLR

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 *** 10:44:52

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 **MODELOPTs: RegDFAULT CONC ELEV FLGPOL ARM URBAN

*** THE SUMMARY OF HIGHEST 1-HR

RESULTS ***

** CONC OF NO2 IN PPM

**

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

ALL HIGH 1ST HIGH VALUE IS 0.33596 ON 08092419: AT (478302.71,
 3748248.43, 450.00, 450.00, 2.00) DC

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

♀ *** AERMOD - VERSION 15181 *** C:\Lakes\AERMOD
 View\MVL\ConstructionLSTs\NOx\NOx.isc *** 10/21/15
 *** AERMET - VERSION 14134 ***
 *** 10:44:52

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 **MODELOPTs: RegDFAULT CONC ELEV FLGPOL ARM URBAN

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

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

A Total of 0 Fatal Error Message(s)
 A Total of 3 Warning Message(s)
 A Total of 1895 Informational Message(s)

A Total of 43824 Hours Were Processed

Aermod LST Construction Outputs

A Total of 90 Calm Hours Identified

A Total of 1805 Missing Hours Identified (4.12 Percent)

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

***** WARNING MESSAGES *****
CO W276 23 POLLID: Special proc for 1h-NO2/SO2 24hPM25 NAAQS disabled
NO2 H1H
SO W320 66 APARM: Input Parameter May Be Out-of-Range for Parameter
QS
ME W531 118 MEOPEN: CAUTION! Met Station ID Missing from SURFFILE for
SURFDATA

*** AERMOD Finishes Successfully ***

**

**

** AERMOD Input Produced by:
** AERMOD View Ver. 9.0.0
** Lakes Environmental Software Inc.
** Date: 11/3/2015
** File: C:\Lakes\AERMOD View\MVL\ConstructionLSTs\NOxMit\NOxMit.ADI
**

**

**

** AERMOD Control Pathway

**

**

CO STARTING
TITLEONE C:\Lakes\AERMOD View\MVL\ConstructionLSTs\NOxMit\NOxMit.isc
MODELOPT CONC OLM
AVERTIME 1
URBANOPT 2100516
POLLUTID NO2 H1H
RUNORNOT RUN
** NO2 Conversion Options
NO2STACK 0.050
NO2EQUIL 0.950

Aermod LST Construction Outputs

** Hourly Ozone Data File: C:\Lakes\AERMOD

View\MVL\ConstructionLSTs\NOxMit\..\PERI_Ozone\03PERI2007-11.prn.txt

OZONEFIL ..\..\PERI_Ozone\03PERI2007-11.prn.txt PPB

ERRORFIL NOxMit.err

CO FINISHED

**

** AERMOD Source Pathway

**

**

SO STARTING

** Source Location **

** Source ID - Type - X Coord. - Y Coord. **

LOCATION VOL1	VOLUME	478070.839	3748388.229	451.000
LOCATION VOL2	VOLUME	478109.978	3748388.492	451.000
LOCATION VOL3	VOLUME	478155.664	3748388.861	451.000
LOCATION VOL4	VOLUME	478201.945	3748387.710	451.000
LOCATION VOL5	VOLUME	478248.464	3748387.596	451.000
LOCATION VOL6	VOLUME	478071.156	3748341.530	451.000
LOCATION VOL7	VOLUME	478116.367	3748340.884	451.000
LOCATION VOL8	VOLUME	478162.533	3748340.603	451.000
LOCATION VOL9	VOLUME	478207.913	3748340.800	451.000
LOCATION VOL10	VOLUME	478250.063	3748341.249	451.000
LOCATION VOL11	VOLUME	478072.131	3748294.893	450.000
LOCATION VOL12	VOLUME	478118.375	3748294.833	450.000
LOCATION VOL13	VOLUME	478164.707	3748295.848	450.000
LOCATION VOL14	VOLUME	478210.020	3748295.988	450.000
LOCATION VOL15	VOLUME	478250.725	3748295.874	450.000
LOCATION VOL16	VOLUME	478072.771	3748248.193	450.000
LOCATION VOL17	VOLUME	478118.951	3748248.839	450.000
LOCATION VOL18	VOLUME	478164.794	3748249.205	450.000
LOCATION VOL19	VOLUME	478209.850	3748250.048	450.000
LOCATION VOL20	VOLUME	478250.063	3748249.851	450.000
LOCATION VOL21	VOLUME	478072.125	3748211.052	450.000
LOCATION VOL22	VOLUME	478117.659	3748212.344	450.000
LOCATION VOL23	VOLUME	478163.502	3748213.679	450.000
LOCATION VOL24	VOLUME	478208.559	3748213.553	450.000
LOCATION VOL25	VOLUME	478250.063	3748212.387	450.000

** Source Parameters **

SRCPARAM VOL1	0.0389618206	5.000	10.465	2.326
SRCPARAM VOL2	0.03896	5.000	10.465	2.326
SRCPARAM VOL3	0.03896	5.000	10.465	2.330
SRCPARAM VOL4	0.03896	5.000	10.465	2.330
SRCPARAM VOL5	0.03896	5.000	10.465	2.330
SRCPARAM VOL6	0.03896	5.000	10.465	2.330
SRCPARAM VOL7	0.03896	5.000	10.465	2.330
SRCPARAM VOL8	0.03896	5.000	10.465	2.330

```

Aermod LST Construction Outputs
SRCPARAM VOL9      0.03896    5.000    10.465    2.330
SRCPARAM VOL10     0.03896    5.000    10.465    2.330
SRCPARAM VOL11     0.03896    5.000    10.465    2.330
SRCPARAM VOL12     0.03896    5.000    10.465    2.330
SRCPARAM VOL13     0.03896    5.000    10.465    2.330
SRCPARAM VOL14     0.03896    5.000    10.465    2.330
SRCPARAM VOL15     0.03896    5.000    10.465    2.330
SRCPARAM VOL16     0.03896    5.000    10.465    2.330
SRCPARAM VOL17     0.03896    5.000    10.465    2.330
SRCPARAM VOL18     0.03896    5.000    10.465    2.330
SRCPARAM VOL19     0.03896    5.000    10.465    2.330
SRCPARAM VOL20     0.03896    5.000    10.465    2.330
SRCPARAM VOL21     0.03896    5.000    10.465    2.330
SRCPARAM VOL22     0.03896    5.000    10.465    2.330
SRCPARAM VOL23     0.03896    5.000    10.465    2.330
SRCPARAM VOL24     0.03896    5.000    10.465    2.330
SRCPARAM VOL25     0.03896    5.000    10.465    2.330
URBANSRC ALL
CONCUNIT 531.5 GRAMS/SEC PPM
NO2RATIO VOL1-VOL25 0.05
** OLM Source Groups for Combined Plumes
   OLMGROUP ALL
   SRCGROUP ALL
SO FINISHED
**
*****
** AERMOD Receptor Pathway
*****
**
**
RE STARTING
   INCLUDED NOxMit.rou
RE FINISHED
**
*****
** AERMOD Meteorology Pathway
*****
**
**
ME STARTING
   SURFFILE ..\..\peri8.sfc
   PROFFILE ..\..\peri8.PFL
   SURFDATA 3190 2007
   UAIRDATA 3190 2007
   SITEDATA 99999 2007
   PROFBASE 442.0 METERS
ME FINISHED
**

```

Aermod LST Construction Outputs

** AERMOD Output Pathway

**

**

OU STARTING

RECTABLE ALLAVE 1ST

RECTABLE 1 1ST

** Auto-Generated Plotfiles

PLOTFILE 1 ALL 1ST NOXMIT.AD\01H1GALL.PLT 31

SUMMFILE NOxMit.sum

OU FINISHED

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

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

A Total of	0 Fatal Error Message(s)
A Total of	3 Warning Message(s)
A Total of	0 Informational Message(s)

***** FATAL ERROR MESSAGES *****

*** NONE ***

***** WARNING MESSAGES *****

CO W276	23	POLLID: Special proc for 1h-NO2/SO2 24hPM25 NAAQS disabled NO2 H1H
CO W271	31	COCARD: O3FILE w/o O3VALs; full conv for hrs with miss O3
ME W531	121	MEOPEN: CAUTION! Met Station ID Missing from SURFFILE for SURFDATA

*** SETUP Finishes Successfully ***

♀ *** AERMOD - VERSION 15181 *** *** C:\Lakes\AERMOD

View\MVL\ConstructionLSTs\NOxMit\NOxMit.isc ***

11/03/15

*** AERMET - VERSION 14134 *** ***

09:59:05

PAGE 1

**MODELOPTs: NonDEFAULT CONC

ELEV

OLM

URBAN

MODEL SETUP OPTIONS SUMMARY

Aermod LST Construction Outputs

-- -- -- -- --
-- -- -- -- --
**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 25 Source(s),
for Total of 1 Urban Area(s):
Urban Population = 2100516.0 ; 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. Ozone Limiting Method (OLM) Used for NO2 Conversion
with an Equilibrium NO2/NOx Ratio of 0.950 and
with 1 OLMGROUP(s)
7. Urban Roughness Length of 1.0 Meter Used.

**Other Options Specified:

TEMP_Sub - Meteorological data includes TEMP substitutions

**Model Assumes No FLAGPOLE Receptor Heights.

**The User Specified a Pollutant Type of: NO2

**NOTE: Special processing requirements applicable for the 1-hour NO2 NAAQS have
been disabled!!!

User has specified H1H on the POLLUTID keyword.

High ranked 1-hour values are NOT averaged across the number of years
modeled, and
complete years of data are NOT required.

**Model Calculates 1 Short Term Average(s) of: 1-HR

**This Run Includes: 25 Source(s); 1 Source Group(s); and 8
Receptor(s)

with: 0 POINT(s), including
0 POINTCAP(s) and 0 POINTHOR(s)

Aermod LST Construction Outputs
and: 25 VOLUME source(s)
and: 0 AREA type source(s)
and: 0 LINE source(s)
and: 0 OPENPIT source(s)

**This Run Includes OZONE Values for a Single Sector
HOURLY OZONE Values are Available

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

**The AERMET Input Meteorological Data Version Date: 14134

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

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

**Misc. Inputs: Base Elev. for Pot. Temp. Profile (m MSL) = 442.00 ; Decay
Coef. = 0.000 ; Rot. Angle = 0.0
Emission Units = GRAMS/SEC ;
Emission Rate Unit Factor = 531.50
Output Units = PPM

**Approximate Storage Requirements of Model = 3.5 MB of RAM.

**Detailed Error/Message File: NOxMit.err

**File for Summary of Results: NOxMit.sum

♀ *** AERMOD - VERSION 15181 *** *** C:\Lakes\AERMOD
View\MVL\ConstructionLSTs\NOxMit\NOxMit.isc *** 11/03/15
*** AERMET - VERSION 14134 *** ***
*** 09:59:05

PAGE 2
**MODELOPTs: NonDEFAULT CONC ELEV OLM URBAN

Aermod LST Construction Outputs

*** VOLUME SOURCE DATA ***

INIT.	URBAN	NUMBER	EMISSION	RATE		BASE	RELEASE	INIT.	
SOURCE		EMISSION	RATE						
SZ	SOURCE	PART.	(USER	UNITS)	X	Y	ELEV.	HEIGHT	SY
ID		SCALAR	VARY						
(METERS)		CATS.	BY		(METERS)	(METERS)	(METERS)	(METERS)	(METERS)
VOL1		0	0.38962E-01	478070.8	3748388.2	451.0	5.00	10.47	
2.33	YES								
VOL2		0	0.38960E-01	478110.0	3748388.5	451.0	5.00	10.47	
2.33	YES								
VOL3		0	0.38960E-01	478155.7	3748388.9	451.0	5.00	10.47	
2.33	YES								
VOL4		0	0.38960E-01	478201.9	3748387.7	451.0	5.00	10.47	
2.33	YES								
VOL5		0	0.38960E-01	478248.5	3748387.6	451.0	5.00	10.47	
2.33	YES								
VOL6		0	0.38960E-01	478071.2	3748341.5	451.0	5.00	10.47	
2.33	YES								
VOL7		0	0.38960E-01	478116.4	3748340.9	451.0	5.00	10.47	
2.33	YES								
VOL8		0	0.38960E-01	478162.5	3748340.6	451.0	5.00	10.47	
2.33	YES								
VOL9		0	0.38960E-01	478207.9	3748340.8	451.0	5.00	10.47	
2.33	YES								
VOL10		0	0.38960E-01	478250.1	3748341.2	451.0	5.00	10.47	
2.33	YES								
VOL11		0	0.38960E-01	478072.1	3748294.9	450.0	5.00	10.47	
2.33	YES								
VOL12		0	0.38960E-01	478118.4	3748294.8	450.0	5.00	10.47	
2.33	YES								
VOL13		0	0.38960E-01	478164.7	3748295.8	450.0	5.00	10.47	
2.33	YES								
VOL14		0	0.38960E-01	478210.0	3748296.0	450.0	5.00	10.47	
2.33	YES								
VOL15		0	0.38960E-01	478250.7	3748295.9	450.0	5.00	10.47	
2.33	YES								
VOL16		0	0.38960E-01	478072.8	3748248.2	450.0	5.00	10.47	
2.33	YES								
VOL17		0	0.38960E-01	478119.0	3748248.8	450.0	5.00	10.47	
2.33	YES								
VOL18		0	0.38960E-01	478164.8	3748249.2	450.0	5.00	10.47	
2.33	YES								
VOL19		0	0.38960E-01	478209.8	3748250.0	450.0	5.00	10.47	

Aermod LST Construction Outputs

2.33	YES							
VOL20		0	0.38960E-01	478250.1	3748249.9	450.0	5.00	10.47
2.33	YES							
VOL21		0	0.38960E-01	478072.1	3748211.1	450.0	5.00	10.47
2.33	YES							
VOL22		0	0.38960E-01	478117.7	3748212.3	450.0	5.00	10.47
2.33	YES							
VOL23		0	0.38960E-01	478163.5	3748213.7	450.0	5.00	10.47
2.33	YES							
VOL24		0	0.38960E-01	478208.6	3748213.6	450.0	5.00	10.47
2.33	YES							
VOL25		0	0.38960E-01	478250.1	3748212.4	450.0	5.00	10.47

2.33 YES
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 View\MVL\ConstructionLSTs\NOxMit\NOxMit.isc *** 11/03/15
 *** AERMET - VERSION 14134 ***
 *** 09:59:05

PAGE 3
 **MODELOPTs: NonDEFAULT CONC ELEV OLM URBAN

*** SOURCE IDs DEFINING SOURCE GROUPS

SRCGROUP ID	SOURCE IDs
-----	-----
ALL VOL1 , VOL2 , VOL3 , VOL4 , VOL5 ,	
VOL6 , VOL7 , VOL8 ,	
VOL9 , VOL10 , VOL11 , VOL12 , VOL13 ,	
VOL14 , VOL15 , VOL16 ,	
VOL17 , VOL18 , VOL19 , VOL20 , VOL21 ,	
VOL22 , VOL23 , VOL24 ,	

VOL25 ,
 *** AERMOD - VERSION 15181 *** C:\Lakes\AERMOD
 View\MVL\ConstructionLSTs\NOxMit\NOxMit.isc *** 11/03/15
 *** AERMET - VERSION 14134 ***
 *** 09:59:05

PAGE 4
 **MODELOPTs: NonDEFAULT CONC ELEV OLM URBAN

Aermod LST Construction Outputs

*** SOURCE IDs DEFINING OLM SOURCE GROUPS

*** FOR COMBINING PLUMES

OLMGROUP ID	SOURCE IDs					
-----	-----					
ALL	VOL1	, VOL2	, VOL3	, VOL4	, VOL5	,
VOL6	, VOL7	, VOL8	,			
	VOL9	, VOL10	, VOL11	, VOL12	, VOL13	,
VOL14	, VOL15	, VOL16	,			
	VOL17	, VOL18	, VOL19	, VOL20	, VOL21	,
VOL22	, VOL23	, VOL24	,			
	VOL25	,				

♀ *** AERMOD - VERSION 15181 *** C:\Lakes\AERMOD
 View\MVL\ConstructionLSTs\NOxMit\NOxMit.isc *** 11/03/15
 *** AERMET - VERSION 14134 ***
 *** 09:59:05

***MODELOPTs: NonDEFAULT CONC PAGE 5
 ELEV OLM URBAN

*** SOURCE IDs DEFINED AS URBAN SOURCES

URBAN ID	URBAN POP	SOURCE IDs					
-----	-----	-----					
	2100516.	VOL1	, VOL2	, VOL3	, VOL4	,	
VOL5	, VOL6	, VOL7	,				
VOL8	,						
	VOL9	, VOL10	, VOL11	, VOL12	, VOL13	,	
VOL14	, VOL15	, VOL16	,				
	VOL17	, VOL18	, VOL19	, VOL20	, VOL21	,	
VOL22	, VOL23	, VOL24	,				
	VOL25	,					

♀ *** AERMOD - VERSION 15181 *** C:\Lakes\AERMOD
 View\MVL\ConstructionLSTs\NOxMit\NOxMit.isc *** 11/03/15

Aermod LST Construction Outputs

*** AERMET - VERSION 14134 ***
*** 09:59:05

***MODELOPTs: NonDEFAULT CONC PAGE 6
ELEV OLM URBAN

*** IN-STACK NO2 RATIOS FOR OLM/PVMRM

OPTIONS ***

SOURCE_ID	NO2_RATIO	SOURCE_ID	NO2_RATIO	SOURCE_ID	NO2_RATIO
SOURCE_ID	NO2_RATIO				
VOL1	0.050	VOL2	0.050	VOL3	0.050
VOL4	0.050				
VOL5	0.050	VOL6	0.050	VOL7	0.050
VOL8	0.050				
VOL9	0.050	VOL10	0.050	VOL11	0.050
VOL12	0.050				
VOL13	0.050	VOL14	0.050	VOL15	0.050
VOL16	0.050				
VOL17	0.050	VOL18	0.050	VOL19	0.050
VOL20	0.050				
VOL21	0.050	VOL22	0.050	VOL23	0.050
VOL24	0.050				
VOL25	0.050				

♀ *** AERMOD - VERSION 15181 *** C:\Lakes\AERMOD
View\MVL\ConstructionLSTs\NOxMit\NOxMit.isc *** 11/03/15
*** AERMET - VERSION 14134 ***
*** 09:59:05

***MODELOPTs: NonDEFAULT CONC PAGE 7
ELEV OLM URBAN

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

(477994.2, 3749818.5, 458.0, 458.0, 0.0);	(478348.6, 3749820.7, 458.3, 458.3, 0.0);
(478324.0, 3749446.9, 456.0, 456.0, 0.0);	(478321.9, 3749107.7, 454.0, 454.0, 0.0);
(478311.5, 3748947.3, 453.0, 453.0, 0.0);	(478314.5, 3748704.1, 452.0, 452.0, 0.0);
(478309.7, 3748401.3, 451.0, 451.0, 0.0);	(478302.7, 3748248.4, 450.0, 450.0, 0.0);

♀ *** AERMOD - VERSION 15181 *** C:\Lakes\AERMOD

View\MVL\ConstructionLSTs\NOxMit\NOxMit.isc

11/03/15

*** AERMET - VERSION 14134 ***

09:59:05

```
**MODELOPTs:  NonDEFAULT CONC
```

PAGE 8

ELEV

OLM

URBAN

*** METEOROLOGICAL DAYS SELECTED FOR

PROCESSING ***

(1=YES; 0=NO)

[illegible]

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 15181 *** *** C:\Lakes\AERMOD

View\MVL\ConstructionLSTs\NOxMit\NOxMit.isc

11/03/15

*** AERMET - VERSION 14134 ***

09:59:05

```
**MODELOPTs:  NonDEFAULT CONC
```

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ELEV

OLM

URBAN

*** UP TO THE FIRST 24 HOURS OF METEOROLOGICAL

DATA ***

Aermod LST Construction Outputs

Surface file: ..\..\peri8.sfc
Met Version: 14134
Profile file: ..\..\peri8.PFL

Surface format: FREE

Profile format: FREE

Surface station no.: 3190
Name: UNKNOWN

Upper air station no.: 3190
Name: UNKNOWN

Year: 2007

Year: 2007

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							
07	01	01	1	01	-0.5	0.026	-9.000	-9.000	-999.	10.	3.0	0.19	1.00	
1.00	0.50	133.			9.1	279.9	5.5							
07	01	01	1	02	-0.5	0.026	-9.000	-9.000	-999.	10.	3.0	0.19	1.00	
1.00	0.50	192.			9.1	279.2	5.5							
07	01	01	1	03	-0.5	0.026	-9.000	-9.000	-999.	10.	3.0	0.19	1.00	
1.00	0.50	160.			9.1	277.5	5.5							
07	01	01	1	04	-0.5	0.026	-9.000	-9.000	-999.	10.	3.0	0.19	1.00	
1.00	0.50	75.			9.1	277.5	5.5							
07	01	01	1	05	-0.6	0.026	-9.000	-9.000	-999.	10.	2.6	0.19	1.00	
1.00	0.50	282.			9.1	278.8	5.5							
07	01	01	1	06	-0.6	0.026	-9.000	-9.000	-999.	10.	2.6	0.19	1.00	
1.00	0.50	96.			9.1	277.5	5.5							
07	01	01	1	07	-0.5	0.026	-9.000	-9.000	-999.	10.	3.0	0.19	1.00	
1.00	0.50	129.			9.1	278.1	5.5							
07	01	01	1	08	-0.4	0.026	-9.000	-9.000	-999.	10.	3.7	0.19	1.00	
0.54	0.50	99.			9.1	277.5	5.5							
07	01	01	1	09	27.8	0.091	0.542	0.005	196.	66.	-2.3	0.19	1.00	
0.33	0.50	133.			9.1	278.1	5.5							
07	01	01	1	10	76.9	0.104	1.050	0.005	516.	81.	-1.3	0.19	1.00	
0.26	0.50	174.			9.1	281.4	5.5							
07	01	01	1	11	110.0	0.109	1.374	0.009	810.	87.	-1.0	0.19	1.00	
0.23	0.50	95.			9.1	284.9	5.5							
07	01	01	1	12	125.7	0.201	1.589	0.018	1095.	216.	-5.5	0.19	1.00	
0.22	1.30	94.			9.1	288.1	5.5							
07	01	01	1	13	121.7	0.287	1.641	0.022	1248.	369.	-16.6	0.19	1.00	
0.22	2.20	24.			9.1	291.4	5.5							
07	01	01	1	14	102.8	0.414	1.559	0.021	1265.	639.	-59.1	0.19	1.00	
0.23	3.60	13.			9.1	292.5	5.5							
07	01	01	1	15	69.9	0.619	1.374	0.021	1276.	1169.	-291.2	0.19	1.00	

Aermod LST Construction Outputs

0.27	5.80	318.	9.1	292.0	5.5								
07	01	01	1	16	16.8	0.607	0.856	0.021	1277.	1135.	-1137.8	0.19	1.00
0.36	5.80	329.	9.1	291.4	5.5								
07	01	01	1	17	-42.2	0.437	-9.000	-9.000	-999.	720.	169.3	0.19	1.00
0.64	4.50	333.	9.1	289.9	5.5								
07	01	01	1	18	-18.5	0.353	-9.000	-9.000	-999.	510.	204.1	0.19	1.00
1.00	3.60	305.	9.1	288.8	5.5								
07	01	01	1	19	-42.3	0.437	-9.000	-9.000	-999.	692.	168.7	0.19	1.00
1.00	4.50	276.	9.1	287.5	5.5								
07	01	01	1	20	-32.3	0.334	-9.000	-9.000	-999.	470.	98.6	0.19	1.00
1.00	3.60	323.	9.1	287.5	5.5								
07	01	01	1	21	-36.7	0.380	-9.000	-9.000	-999.	562.	128.3	0.19	1.00
1.00	4.00	322.	9.1	288.1	5.5								
07	01	01	1	22	-45.6	0.434	-9.000	-9.000	-999.	685.	153.6	0.19	1.00
1.00	4.50	30.	9.1	288.1	5.5								
07	01	01	1	23	-39.7	0.377	-9.000	-9.000	-999.	557.	115.4	0.19	1.00
1.00	4.00	343.	9.1	287.0	5.5								
07	01	01	1	24	-7.7	0.093	-9.000	-9.000	-999.	215.	9.1	0.19	1.00
1.00	1.80	155.	9.1	283.8	5.5								

First hour of profile data

YR	MO	DY	HR	HEIGHT	F	WDIR	WSPD	AMB_TMP	sigmaA	sigmaW	sigmaV
07	01	01	01	5.5	0	-999.	-99.00	279.9	99.0	-99.00	-99.00
07	01	01	01	9.1	1	133.	0.50	-999.0	99.0	-99.00	-99.00

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

♀ *** AERMOD - VERSION 15181 *** C:\Lakes\AERMOD
 View\MVL\ConstructionLSTs\NOxMit\NOxMit.isc *** 11/03/15
 *** AERMET - VERSION 14134 ***
 *** 09:59:05

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**MODELOPTs: NonDEFAULT CONC ELEV OLM URBAN

*** THE 1ST HIGHEST 1-HR AVERAGE CONCENTRATION

 VALUES FOR SOURCE GROUP: ALL
 INCLUDING SOURCE(S): VOL1 , VOL2
 , VOL3 , VOL4 , VOL5 ,
 , VOL6 , VOL7 , VOL8 , VOL9 , VOL10
 , VOL11 , VOL12 , VOL13 ,
 , VOL14 , VOL15 , VOL16 , VOL17 , VOL18
 , VOL19 , VOL20 , VOL21 ,
 , VOL22 , VOL23 , VOL24 , VOL25 ,

*** DISCRETE CARTESIAN RECEPTOR POINTS

Aermod LST Construction Outputs

** CONC OF NO2 IN PPM

**

X-COORD (M)	Y-COORD (M)	CONC	(YYMMDDHH)	X-COORD (M)
Y-COORD (M)	CONC	(YYMMDDHH)		
477994.17	3749818.50	0.01188	(08060323)	478348.59
3749820.73	0.01199	(08060820)		
478323.98	3749446.94	0.01181	(09040723)	478321.90
3749107.70	0.01212	(09051904)		
478311.50	3748947.34	0.01578	(09051904)	478314.46
3748704.06	0.02680	(08101020)		
478309.66	3748401.33	0.07728	(08110118)	478302.71
3748248.43	0.08747	(08092419)		

♀ *** AERMOD - VERSION 15181 *** C:\Lakes\AERMOD
 View\MVL\ConstructionLSTs\NOxMit\NOxMit.isc *** 11/03/15
 *** AERMET - VERSION 14134 ***
 *** 09:59:05

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**MODELOPTs: NonDEFAULT CONC ELEV OLM URBAN

*** THE SUMMARY OF HIGHEST 1-HR

RESULTS ***

** CONC OF NO2 IN PPM

**

GROUP ID	NETWORK	DATE	RECEPTOR
(XR, YR, ZELEV, ZHILL, ZFLAG)	AVERAGE CONC OF TYPE GRID-ID	(YYMMDDHH)	
ALL HIGH 1ST HIGH VALUE IS	0.08747	ON 08092419: AT (	478302.71,
3748248.43, 450.00, 450.00, 0.00)	DC		

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

♀ *** AERMOD - VERSION 15181 *** C:\Lakes\AERMOD
 View\MVL\ConstructionLSTs\NOxMit\NOxMit.isc *** 11/03/15
 *** AERMET - VERSION 14134 ***

Aermod LST Construction Outputs
*** 09:59:05

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**MODELOPTs: NonDEFAULT CONC ELEV OLM URBAN

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

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

A Total of 0 Fatal Error Message(s)
A Total of 3 Warning Message(s)
A Total of 1895 Informational Message(s)

A Total of 43824 Hours Were Processed

A Total of 90 Calm Hours Identified

A Total of 1805 Missing Hours Identified (4.12 Percent)

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

***** WARNING MESSAGES *****
CO W276 23 POLLID: Special proc for 1h-NO2/SO2 24hPM25 NAAQS disabled
NO2 H1H
CO W271 31 COCARD: O3FILE w/o O3VALs; full conv for hrs with miss O3

ME W531 121 MEOPEN: CAUTION! Met Station ID Missing from SURFFILE for
SURFDATA

*** AERMOD Finishes Successfully ***

**

**
** AERMOD Input Produced by:
** AERMOD View Ver. 9.0.0
** Lakes Environmental Software Inc.
** Date: 10/20/2015
** File: C:\Lakes\AERMOD View\MVL\ConstructionLSTs\PM2\PM2.ADI
**

**
**

Aermod LST Construction Outputs

** AERMOD Control Pathway

**

**

CO STARTING

TITLEONE C:\Lakes\AERMOD View\MVL\ConstructionLSTs\PM2\PM2.isc

MODELOPT DFAULT CONC

AVERTIME 24 ANNUAL

URBANOPT 2100516

POLLUTID PM_2.5

FLAGPOLE 2.00

RUNORNOT RUN

ERRORFIL PM2.err

CO FINISHED

**

** AERMOD Source Pathway

**

**

SO STARTING

** Source Location **

** Source ID - Type - X Coord. - Y Coord. **

LOCATION	AREA1	AREA	478047.969	3748187.953	450.000
** Source Parameters **					
SRCPARAM	AREA1	4.6274E-06	0.000	224.913	224.913
1.000					
URBANSRC ALL					

1.000

URBANSRC ALL

** Variable Emissions Type: "By Hour-of-Day (HROFDY)"

** Variable Emission Scenario: "Construction"

EMISFACT AREA1 HROFDY 0.0 0.0 0.0 0.0 0.0 0.0

EMISFACT AREA1 HROFDY 0.0 1.0 1.0 1.0 1.0 1.0

EMISFACT AREA1 HROFDY 1.0 1.0 1.0 0.0 0.0 0.0

EMISFACT AREA1 HROFDY 0.0 0.0 0.0 0.0 0.0 0.0

SRCGROUP ALL

SO FINISHED

**

** AERMOD Receptor Pathway

**

**

RE STARTING

INCLUDED PM2.rou

RE FINISHED

**

Aermod LST Construction Outputs

** AERMOD Meteorology Pathway

**

**

ME STARTING

SURFFILE ..\..\peri8.sfc

PROFFILE ..\..\peri8.PFL

SURFDATA 3190 2007

UAIRDATA 3190 2007

SITEDATA 99999 2007

PROFBASE 442.0 METERS

ME FINISHED

**

** AERMOD Output Pathway

**

**

OU STARTING

RECTABLE ALLAVE 1ST

RECTABLE 24 1ST

** Auto-Generated Plotfiles

PLOTFILE 24 ALL 1ST PM2.AD\24H1GALL.PLT 31

PLOTFILE ANNUAL ALL PM2.AD\AN00GALL.PLT 32

SUMMFILE PM2.sum

OU FINISHED

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

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

A Total of	0 Fatal Error Message(s)
A Total of	1 Warning Message(s)
A Total of	0 Informational Message(s)

***** FATAL ERROR MESSAGES *****

*** NONE ***

***** WARNING MESSAGES *****

ME W531 72 MEOPEN: CAUTION! Met Station ID Missing from SURFFILE for
SURFDATA

*** SETUP Finishes Successfully ***

Aermod LST Construction Outputs

♀ *** AERMOD - VERSION 15181 *** *** C:\Lakes\AERMOD
View\MVL\ConstructionLSTs\PM2\PM2.isc *** 10/20/15
*** AERMET - VERSION 14134 *** ***
*** 17:51:31

**MODELOPTs: RegDFAULT CONC PAGE 1
ELEV FLGPOL URBAN

*** MODEL SETUP OPTIONS SUMMARY

-- 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 = 2100516.0 ; 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:
TEMP_Sub - Meteorological data includes TEMP substitutions

**Model Accepts FLAGPOLE Receptor Heights.

**The User Specified a Pollutant Type of: PM_2.5

**Model Calculates 1 Short Term Average(s) of: 24-HR
and Calculates ANNUAL Averages

**This Run Includes: 1 Source(s); 1 Source Group(s); and 8
Receptor(s)

Aermod LST Construction Outputs

```
**The AERMET Input Meteorological Data Version Date: 14134
```

Model Outputs Tables of ANNUAL Averages by Receptor

Keyword)

Keyword)

Keyword)

Hours

and Missing Hours

**Misc. Inputs: Base Elev. for Pot. Temp. Profile (m MSL) = 442.00 ; Decay

Emission Units = GRAMS/SEC

Output Units = MICROGRAMS/M**3

****Detailed Error/Message File: PM2.err**

10/20/15

*** 17:51:31

PAGE 2

Aermod LST Construction Outputs

*** AREA SOURCE DATA ***

Y-DIM	ORIENT.	NUMBER	EMISSION RATE	COORD (SW CORNER)	BASE	RELEASE	X-DIM
SOURCE	PART.	(GRAMS/SEC	EMISSION RATE	X	Y	ELEV.	HEIGHT
OF AREA	OF AREA	SZ	SOURCE	SCALAR	VARY	(METERS)	(METERS)
ID	CATS.	/METER**2)	(METERS)	(METERS)	(METERS)	(METERS)	(METERS)
(METERS)	(DEG.)	(METERS)	BY				

```

AREA1          0  0.46274E-05  478048.0  3748188.0  450.0      0.00      224.91
224.91          0.00      1.00      YES  HROFDY
♀ *** AERMOD - VERSION 15181 *** *** C:\Lakes\AERMOD
View\MVL\ConstructionLSTs\PM2\PM2.isc *** 10/20/15
*** AERMET - VERSION 14134 *** ***
*** 17:51:31
  
```

PAGE 3
 **MODELOPTs: RegDFAULT CONC ELEV FLGPOL URBAN

*** SOURCE IDs DEFINING SOURCE GROUPS

SRCGROUP ID	SOURCE IDs

```

ALL          AREA1          ,
♀ *** AERMOD - VERSION 15181 *** *** C:\Lakes\AERMOD
View\MVL\ConstructionLSTs\PM2\PM2.isc *** 10/20/15
*** AERMET - VERSION 14134 *** ***
*** 17:51:31
  
```

PAGE 4
 **MODELOPTs: RegDFAULT CONC ELEV FLGPOL URBAN

*** SOURCE IDs DEFINED AS URBAN SOURCES

URBAN ID	URBAN POP	SOURCE IDs

```

2100516.      AREA1          ,
♀ *** AERMOD - VERSION 15181 *** *** C:\Lakes\AERMOD
  
```

Aermod LST Construction Outputs

View\MVL\ConstructionLSTs\PM2\PM2.isc

10/20/15

*** AERMET - VERSION 14134 ***

17:51:31

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**MODELOPTs: RegDFAULT CONC

ELEV

FLGPOL

URBAN

* SOURCE EMISSION RATE SCALARS WHICH VARY FOR EACH HOUR

OF THE DAY *

HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR

SOURCE ID = AREA1 ; SOURCE TYPE = AREA :							
1	.00000E+00	2	.00000E+00	3	.00000E+00	4	.00000E+00
5	.00000E+00	6	.00000E+00				
7	.00000E+00	8	.10000E+01	9	.10000E+01	10	.10000E+01
11	.10000E+01	12	.10000E+01				
13	.10000E+01	14	.10000E+01	15	.10000E+01	16	.00000E+00
17	.00000E+00	18	.00000E+00				
19	.00000E+00	20	.00000E+00	21	.00000E+00	22	.00000E+00
23	.00000E+00	24	.00000E+00				

♀ *** AERMOD - VERSION 15181 *** C:\Lakes\AERMOD

View\MVL\ConstructionLSTs\PM2\PM2.isc

10/20/15

*** AERMET - VERSION 14134 ***

17:51:31

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**MODELOPTs: RegDFAULT CONC

ELEV

FLGPOL

URBAN

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

(477994.2, 3749818.5, 458.0, 458.0, 2.0);	(478348.6, 3749820.7, 458.3, 458.3, 2.0);
(478324.0, 3749446.9, 456.0, 456.0, 2.0);	(478321.9, 3749107.7, 454.0, 454.0, 2.0);
(478311.5, 3748947.3, 453.0, 453.0, 2.0);	(478314.5, 3748704.1, 452.0, 452.0, 2.0);
(478309.7, 3748401.3, 451.0, 451.0, 2.0);	(478302.7, 3748248.4, 450.0, 450.0, 2.0);

♀ *** AERMOD - VERSION 15181 *** C:\Lakes\AERMOD

View\MVL\ConstructionLSTs\PM2\PM2.isc

10/20/15

```
*** AERMET - VERSION 14134 ***
*** 17:
```

*** METEOROLOGICAL DAYS SELECTED FOR

(1=YES; 0=NO)

[illegible]

*** UPPER BOUND OF FIRST THROUGH FIFTH WIND SPEED

(METERS/SEC)

1.54, 3.09, 5.14, 8.23,

```

♀ *** AERMOD - VERSION 15181 *** *** C:\Lakes\AERMOD
View\MVL\ConstructionLSTs\PM2\PM2.isc *** 10/20/15

```

```
*** AERMET - VERSION 14134 *** ***
*** 17:51:31
```

```

**MODELOPTs:  RegDFAULT  CONC          PAGE      8
               ELEV          FLGPOL      URBAN

```

*** UP TO THE FIRST 24 HOURS OF METEOROLOGICAL

DATA ***

Aermod LST Construction Outputs

Surface file: ..\..\peri8.sfc
Met Version: 14134
Profile file: ..\..\peri8.PFL

Surface format: FREE

Profile format: FREE

Surface station no.: 3190
Name: UNKNOWN

Upper air station no.: 3190
Name: UNKNOWN

Year: 2007

Year: 2007

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							
07	01	01	1	01	-0.5	0.026	-9.000	-9.000	-999.	10.	3.0	0.19	1.00	
1.00	0.50	133.			9.1	279.9	5.5							
07	01	01	1	02	-0.5	0.026	-9.000	-9.000	-999.	10.	3.0	0.19	1.00	
1.00	0.50	192.			9.1	279.2	5.5							
07	01	01	1	03	-0.5	0.026	-9.000	-9.000	-999.	10.	3.0	0.19	1.00	
1.00	0.50	160.			9.1	277.5	5.5							
07	01	01	1	04	-0.5	0.026	-9.000	-9.000	-999.	10.	3.0	0.19	1.00	
1.00	0.50	75.			9.1	277.5	5.5							
07	01	01	1	05	-0.6	0.026	-9.000	-9.000	-999.	10.	2.6	0.19	1.00	
1.00	0.50	282.			9.1	278.8	5.5							
07	01	01	1	06	-0.6	0.026	-9.000	-9.000	-999.	10.	2.6	0.19	1.00	
1.00	0.50	96.			9.1	277.5	5.5							
07	01	01	1	07	-0.5	0.026	-9.000	-9.000	-999.	10.	3.0	0.19	1.00	
1.00	0.50	129.			9.1	278.1	5.5							
07	01	01	1	08	-0.4	0.026	-9.000	-9.000	-999.	10.	3.7	0.19	1.00	
0.54	0.50	99.			9.1	277.5	5.5							
07	01	01	1	09	27.8	0.091	0.542	0.005	196.	66.	-2.3	0.19	1.00	
0.33	0.50	133.			9.1	278.1	5.5							
07	01	01	1	10	76.9	0.104	1.050	0.005	516.	81.	-1.3	0.19	1.00	
0.26	0.50	174.			9.1	281.4	5.5							
07	01	01	1	11	110.0	0.109	1.374	0.009	810.	87.	-1.0	0.19	1.00	
0.23	0.50	95.			9.1	284.9	5.5							
07	01	01	1	12	125.7	0.201	1.589	0.018	1095.	216.	-5.5	0.19	1.00	
0.22	1.30	94.			9.1	288.1	5.5							
07	01	01	1	13	121.7	0.287	1.641	0.022	1248.	369.	-16.6	0.19	1.00	
0.22	2.20	24.			9.1	291.4	5.5							
07	01	01	1	14	102.8	0.414	1.559	0.021	1265.	639.	-59.1	0.19	1.00	
0.23	3.60	13.			9.1	292.5	5.5							
07	01	01	1	15	69.9	0.619	1.374	0.021	1276.	1169.	-291.2	0.19	1.00	
0.27	5.80	318.			9.1	292.0	5.5							

Aermod LST Construction Outputs

07 01 01	1 16	16.8	0.607	0.856	0.021	1277.	1135.	-1137.8	0.19	1.00
0.36	5.80	329.	9.1	291.4	5.5					
07 01 01	1 17	-42.2	0.437	-9.000	-9.000	-999.	720.	169.3	0.19	1.00
0.64	4.50	333.	9.1	289.9	5.5					
07 01 01	1 18	-18.5	0.353	-9.000	-9.000	-999.	510.	204.1	0.19	1.00
1.00	3.60	305.	9.1	288.8	5.5					
07 01 01	1 19	-42.3	0.437	-9.000	-9.000	-999.	692.	168.7	0.19	1.00
1.00	4.50	276.	9.1	287.5	5.5					
07 01 01	1 20	-32.3	0.334	-9.000	-9.000	-999.	470.	98.6	0.19	1.00
1.00	3.60	323.	9.1	287.5	5.5					
07 01 01	1 21	-36.7	0.380	-9.000	-9.000	-999.	562.	128.3	0.19	1.00
1.00	4.00	322.	9.1	288.1	5.5					
07 01 01	1 22	-45.6	0.434	-9.000	-9.000	-999.	685.	153.6	0.19	1.00
1.00	4.50	30.	9.1	288.1	5.5					
07 01 01	1 23	-39.7	0.377	-9.000	-9.000	-999.	557.	115.4	0.19	1.00
1.00	4.00	343.	9.1	287.0	5.5					
07 01 01	1 24	-7.7	0.093	-9.000	-9.000	-999.	215.	9.1	0.19	1.00
1.00	1.80	155.	9.1	283.8	5.5					

First hour of profile data

YR	MO	DY	HR	HEIGHT	F	WDIR	WSPD	AMB_TMP	sigmaA	sigmaW	sigmaV
07	01	01	01	5.5	0	-999.	-99.00	279.9	99.0	-99.00	-99.00
07	01	01	01	9.1	1	133.	0.50	-999.0	99.0	-99.00	-99.00

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

♀ *** AERMOD - VERSION 15181 *** C:\Lakes\AERMOD
 View\MVL\ConstructionLSTs\PM2\PM2.isc *** 10/20/15
 *** AERMET - VERSION 14134 ***
 *** 17:51:31

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**MODELOPTs: RegDFAULT CONC ELEV FLGPOL URBAN

*** THE ANNUAL AVERAGE CONCENTRATION VALUES AVERAGED OVER 5
 YEARS FOR SOURCE GROUP: ALL ***

INCLUDING SOURCE(S): AREA1 ,

*** DISCRETE CARTESIAN RECEPTOR POINTS

** CONC OF PM_{2.5} IN MICROGRAMS/M**3

**

X-COORD (M)	Y-COORD (M)	CONC	X-COORD (M)
Y-COORD (M)	CONC		

Aermod LST Construction Outputs

477994.17	3749818.50	0.02354	478348.59
3749820.73	0.02335		
478323.98	3749446.94	0.03488	478321.90
3749107.70	0.05651		
478311.50	3748947.34	0.07861	478314.46
3748704.06	0.15433		
478309.66	3748401.33	0.74882	478302.71
3748248.43	1.40965		

♀ *** AERMOD - VERSION 15181 *** C:\Lakes\AERMOD
 View\MVL\ConstructionLSTs\PM2\PM2.isc *** 10/20/15
 *** AERMET - VERSION 14134 ***
 *** 17:51:31

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**MODELOPTs: RegDFAULT CONC ELEV FLGPOL URBAN

*** THE 1ST HIGHEST 24-HR AVERAGE CONCENTRATION
 VALUES FOR SOURCE GROUP: ALL ***
 INCLUDING SOURCE(S): AREA1 ,

*** DISCRETE CARTESIAN RECEPTOR POINTS

** CONC OF PM_2.5 IN MICROGRAMS/M**3

**

X-COORD (M)	Y-COORD (M)	CONC	(YYMMDDHH)	X-COORD (M)
Y-COORD (M)	CONC	(YYMMDDHH)		
477994.17	3749818.50	0.72676	(07011424)	478348.59
3749820.73	0.75383	(08010924)		
478323.98	3749446.94	1.00775	(09122124)	478321.90
3749107.70	1.34737	(09122124)		
478311.50	3748947.34	1.60336	(08011524)	478314.46
3748704.06	2.52849m	(07020624)		
478309.66	3748401.33	8.54513	(08010624)	478302.71
3748248.43	8.31493m	(08010224)		

♀ *** AERMOD - VERSION 15181 *** C:\Lakes\AERMOD
 View\MVL\ConstructionLSTs\PM2\PM2.isc *** 10/20/15
 *** AERMET - VERSION 14134 ***
 *** 17:51:31

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**MODELOPTs: RegDFAULT CONC ELEV FLGPOL URBAN

*** THE SUMMARY OF MAXIMUM ANNUAL RESULTS
 AVERAGED OVER 5 YEARS ***

Aermod LST Construction Outputs

** CONC OF PM_{2.5} IN MICROGRAMS/M³

**

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

ALL	1ST HIGHEST VALUE IS			1.40965	AT (	478302.71,	3748248.43,
450.00,	450.00, 2.00)	DC					
	2ND HIGHEST VALUE IS			0.74882	AT (	478309.66,	3748401.33,
451.00,	451.00, 2.00)	DC					
	3RD HIGHEST VALUE IS			0.15433	AT (	478314.46,	3748704.06,
452.00,	452.00, 2.00)	DC					
	4TH HIGHEST VALUE IS			0.07861	AT (	478311.50,	3748947.34,
453.00,	453.00, 2.00)	DC					
	5TH HIGHEST VALUE IS			0.05651	AT (	478321.90,	3749107.70,
454.00,	454.00, 2.00)	DC					
	6TH HIGHEST VALUE IS			0.03488	AT (	478323.98,	3749446.94,
456.00,	456.00, 2.00)	DC					
	7TH HIGHEST VALUE IS			0.02354	AT (	477994.17,	3749818.50,
458.00,	458.00, 2.00)	DC					
	8TH HIGHEST VALUE IS			0.02335	AT (	478348.59,	3749820.73,
458.30,	458.30, 2.00)	DC					
	9TH HIGHEST VALUE IS			0.00000	AT (	0.00,	0.00,
0.00,	0.00, 0.00)						
	10TH HIGHEST VALUE IS			0.00000	AT (	0.00,	0.00,
0.00,	0.00, 0.00)						

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

♀ *** AERMOD - VERSION 15181 *** *** C:\Lakes\AERMOD
View\MVL\ConstructionLSTs\PM2\PM2.isc *** 10/20/15
*** AERMET - VERSION 14134 *** ***
*** 17:51:31

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**MODELOPTs: RegDFAULT CONC ELEV FLGPOL URBAN

*** THE SUMMARY OF HIGHEST 24-HR

RESULTS ***

Aermod LST Construction Outputs

** CONC OF PM_2.5 IN MICROGRAMS/M**3

**

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

ALL HIGH 1ST HIGH VALUE IS 8.54513 ON 08010624: AT (478309.66,
3748401.33, 451.00, 451.00, 2.00) DC

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

♀ *** AERMOD - VERSION 15181 *** C:\Lakes\AERMOD
View\MVL\ConstructionLSTs\PM2\PM2.isc *** 10/20/15
*** AERMET - VERSION 14134 ***
*** 17:51:31

***MODELOPTs: RegDFAULT CONC PAGE 13
ELEV FLGPOL URBAN

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

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

A Total of 0 Fatal Error Message(s)
A Total of 1 Warning Message(s)
A Total of 1895 Informational Message(s)

A Total of 43824 Hours Were Processed

A Total of 90 Calm Hours Identified

A Total of 1805 Missing Hours Identified (4.12 Percent)

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

***** WARNING MESSAGES *****

Aermod LST Construction Outputs
ME W531 72 MEOPEN: CAUTION! Met Station ID Missing from SURFFILE for
SURFDATA

*** AERMOD Finishes Successfully ***

**

**

** AERMOD Input Produced by:
** AERMOD View Ver. 9.0.0
** Lakes Environmental Software Inc.
** Date: 10/20/2015
** File: C:\Lakes\AERMOD View\MVL\ConstructionLSTs\PM2Mit\PM2Mit.ADI
**

**

**

** AERMOD Control Pathway

**
**

CO STARTING

TITLEONE C:\Lakes\AERMOD View\MVL\ConstructionLSTs\PM2Mit\PM2Mit.isc
MODELOPT DFAULT CONC
AVERTIME 24 ANNUAL
URBANOPT 2100516
POLLUTID PM_2.5
FLAGPOLE 2.00
RUNORNOT RUN
ERRORFIL PM2Mit.err

CO FINISHED

**

** AERMOD Source Pathway

**
**

SO STARTING

** Source Location **
** Source ID - Type - X Coord. - Y Coord. **
LOCATION AREA1 AREA 478047.969 3748187.953 450.000
** Source Parameters **
SRCPARAM AREA1 1.2725E-06 0.000 224.913 224.913 0.000
1.000
URBANSRC ALL

Aermod LST Construction Outputs

```
** Variable Emissions Type: "By Hour-of-Day (HROFDY)"
** Variable Emission Scenario: "Construction"
  EMISFACT AREA1      HROFDY 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT AREA1      HROFDY 0.0 1.0 1.0 1.0 1.0 1.0
  EMISFACT AREA1      HROFDY 1.0 1.0 1.0 0.0 0.0 0.0
  EMISFACT AREA1      HROFDY 0.0 0.0 0.0 0.0 0.0 0.0
  SRCGROUP ALL
```

SO FINISHED

**

** AERMOD Receptor Pathway

**

**

RE STARTING

INCLUDED PM2Mit.rou

RE FINISHED

**

** AERMOD Meteorology Pathway

**

**

ME STARTING

SURFFILE ..\..\peri8.sfc

PROFFILE ..\..\peri8.PFL

SURFDATA 3190 2007

UAIRDATA 3190 2007

SITEDATA 99999 2007

PROFBASE 442.0 METERS

ME FINISHED

**

** AERMOD Output Pathway

**

**

OU STARTING

RECTABLE ALLAVE 1ST

RECTABLE 24 1ST

** Auto-Generated Plotfiles

PLOTFILE 24 ALL 1ST PM2MIT.AD\24H1GALL.PLT 31

PLOTFILE ANNUAL ALL PM2MIT.AD\AN00GALL.PLT 32

SUMMFILE PM2Mit.sum

OU FINISHED

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

Aermod LST Construction Outputs

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

A Total of 0 Fatal Error Message(s)
A Total of 1 Warning Message(s)
A Total of 0 Informational Message(s)

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

***** WARNING MESSAGES *****
ME W531 72 MEOPEN: CAUTION! Met Station ID Missing from SURFFILE for
SURFDATA

*** SETUP Finishes Successfully ***

♀ *** AERMOD - VERSION 15181 *** *** C:\Lakes\AERMOD
View\MVL\ConstructionLSTs\PM2Mit\PM2Mit.isc *** 10/20/15
*** AERMET - VERSION 14134 *** ***
*** 17:53:22

PAGE 1
**MODELOPTs: RegDFAULT CONC ELEV FLGPOL URBAN

*** 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 = 2100516.0 ; Urban Roughness Length = 1.000 m

**Model Uses Regulatory DEFAULT Options:

1. Stack-tip Downwash.
2. Model Accounts for ELEVated Terrain Effects.

Aermod LST Construction Outputs

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:**

TEMP_Sub - Meteorological data includes TEMP substitutions

****Model Accepts FLAGPOLE Receptor Heights.**

****The User Specified a Pollutant Type of: PM_2.5**

****Model Calculates 1 Short Term Average(s) of: 24-HR
and Calculates ANNUAL Averages**

****This Run Includes: 1 Source(s); 1 Source Group(s); and 8
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)

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

****The AERMET Input Meteorological Data Version Date: 14134**

****Output Options Selected:**

Model Outputs Tables of ANNUAL Averages by Receptor
Model Outputs Tables of Highest Short Term Values by Receptor (RECTABLE
Keyword)
Model Outputs External File(s) of High Values for Plotting (PLOTFILE
Keyword)
Model Outputs Separate Summary File of High Ranked Values (SUMMFILE
Keyword)

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

****Misc. Inputs:** Base Elev. for Pot. Temp. Profile (m MSL) = 442.00 ; Decay
Coef. = 0.000 ; Rot. Angle = 0.0
Emission Units = GRAMS/SEC ;

Aermod LST Construction Outputs
Emission Rate Unit Factor = 0.10000E+07
Output Units = MICROGRAMS/M**3

**Approximate Storage Requirements of Model = 3.5 MB of RAM.

**Detailed Error/Message File: PM2Mit.err

**File for Summary of Results: PM2Mit.sum

♀ *** AERMOD - VERSION 15181 *** *** C:\Lakes\AERMOD
View\MVL\ConstructionLSTs\PM2Mit\PM2Mit.isc *** 10/20/15
*** AERMET - VERSION 14134 *** ***
*** 17:53:22

PAGE 2
**MODELOPTs: RegDFAULT CONC ELEV FLGPOL URBAN

*** AREA SOURCE DATA ***

Y-DIM	ORIENT.	NUMBER	EMISSION RATE	COORD (SW CORNER)	BASE	RELEASE	X-DIM
SOURCE	PART.	INIT.	URBAN	EMISSION RATE			
OF AREA	OF AREA	SZ	SOURCE	SCALAR VARY	ELEV.	HEIGHT	OF AREA
ID	CATS.	/METER**2)	(METERS)	(METERS)	(METERS)	(METERS)	(METERS)
(METERS)	(DEG.)	(METERS)	BY				
AREA1	0	0.12725E-05	478048.0	3748188.0	450.0	0.00	224.91
224.91	0.00	1.00	YES	HROFDY			

♀ *** AERMOD - VERSION 15181 *** *** C:\Lakes\AERMOD
View\MVL\ConstructionLSTs\PM2Mit\PM2Mit.isc *** 10/20/15
*** AERMET - VERSION 14134 *** ***
*** 17:53:22

PAGE 3
**MODELOPTs: RegDFAULT CONC ELEV FLGPOL URBAN

*** SOURCE IDs DEFINING SOURCE GROUPS

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

ALL AREA1 ,

Aermod LST Construction Outputs

♀ *** AERMOD - VERSION 15181 *** *** C:\Lakes\AERMOD
 View\MVL\ConstructionLSTs\PM2Mit\PM2Mit.isc *** 10/20/15
 *** AERMET - VERSION 14134 *** ***
 *** 17:53:22

PAGE 4
 **MODELOPTs: RegDFAULT CONC ELEV FLGPOL URBAN

*** SOURCE IDs DEFINED AS URBAN SOURCES

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

2100516. AREA1 ,

♀ *** AERMOD - VERSION 15181 *** *** C:\Lakes\AERMOD
 View\MVL\ConstructionLSTs\PM2Mit\PM2Mit.isc *** 10/20/15
 *** AERMET - VERSION 14134 *** ***
 *** 17:53:22

PAGE 5
 **MODELOPTs: RegDFAULT CONC ELEV FLGPOL URBAN

* SOURCE EMISSION RATE SCALARS WHICH VARY FOR EACH HOUR

OF THE DAY *

HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR
-----	-----	-----	-----	-----	-----	-----	-----

SOURCE ID = AREA1		; SOURCE TYPE = AREA		:			
1	.00000E+00	2	.00000E+00	3	.00000E+00	4	.00000E+00
5	.00000E+00	6	.00000E+00				
7	.00000E+00	8	.10000E+01	9	.10000E+01	10	.10000E+01
11	.10000E+01	12	.10000E+01				
13	.10000E+01	14	.10000E+01	15	.10000E+01	16	.00000E+00
17	.00000E+00	18	.00000E+00				
19	.00000E+00	20	.00000E+00	21	.00000E+00	22	.00000E+00
23	.00000E+00	24	.00000E+00				

♀ *** AERMOD - VERSION 15181 *** *** C:\Lakes\AERMOD
 View\MVL\ConstructionLSTs\PM2Mit\PM2Mit.isc *** 10/20/15
 *** AERMET - VERSION 14134 *** ***
 *** 17:53:22

Aermod LST Construction Outputs

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

```

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

```

```
( 477994.2, 3749818.5, 458.0, 458.0, 2.0); ( 478348.6,
3749820.7, 458.3, 458.3, 2.0);
( 478324.0, 3749446.9, 456.0, 456.0, 2.0); ( 478321.9,
3749107.7, 454.0, 454.0, 2.0);
( 478311.5, 3748947.3, 453.0, 453.0, 2.0); ( 478314.5,
3748704.1, 452.0, 452.0, 2.0);
( 478309.7, 3748401.3, 451.0, 451.0, 2.0); ( 478302.7,
3748248.4, 450.0, 450.0, 2.0);
```

```

*** AERMOD - VERSION 15181 ***      *** C:\Lakes\AERMOD
View\MVL\ConstructionLSTs\PM2Mit\PM2Mit.isc      ***      10/20/15
*** AERMET - VERSION 14134 ***      ***
***      17:53:22

```

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

*** METEOROLOGICAL DAYS SELECTED FOR

PROCESSING ***

(1=YES; 0=NO)

[illegible]

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

Aermod LST Construction Outputs

*** UPPER BOUND OF FIRST THROUGH FIFTH WIND SPEED

CATEGORIES ***

(METERS/SEC)

1.54, 3.09, 5.14, 8.23,

10.80,

♀ *** AERMOD - VERSION 15181 *** C:\Lakes\AERMOD

View\MVL\ConstructionLSTs\PM2Mit\PM2Mit.isc

10/20/15

*** AERMET - VERSION 14134 ***

17:53:22

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**MODELOPTs: RegDFAULT CONC

ELEV

FLGPOL

URBAN

*** UP TO THE FIRST 24 HOURS OF METEOROLOGICAL

DATA ***

Surface file: ..\..\peri8.sfc

Met Version: 14134

Profile file: ..\..\peri8.PFL

Surface format: FREE

Profile format: FREE

Surface station no.: 3190

Name: UNKNOWN

Upper air station no.: 3190

Name: UNKNOWN

Year: 2007

Year: 2007

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							
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
07	01	01	1	01	-0.5	0.026	-9.000	-9.000	-999.	10.	3.0	0.19	1.00	
1.00		0.50	133.		9.1	279.9		5.5						
07	01	01	1	02	-0.5	0.026	-9.000	-9.000	-999.	10.	3.0	0.19	1.00	
1.00		0.50	192.		9.1	279.2		5.5						
07	01	01	1	03	-0.5	0.026	-9.000	-9.000	-999.	10.	3.0	0.19	1.00	
1.00		0.50	160.		9.1	277.5		5.5						
07	01	01	1	04	-0.5	0.026	-9.000	-9.000	-999.	10.	3.0	0.19	1.00	
1.00		0.50	75.		9.1	277.5		5.5						
07	01	01	1	05	-0.6	0.026	-9.000	-9.000	-999.	10.	2.6	0.19	1.00	
1.00		0.50	282.		9.1	278.8		5.5						
07	01	01	1	06	-0.6	0.026	-9.000	-9.000	-999.	10.	2.6	0.19	1.00	
1.00		0.50	96.		9.1	277.5		5.5						

Aermod LST Construction Outputs

07	01	01	1	07	-0.5	0.026	-9.000	-9.000	-999.	10.	3.0	0.19	1.00
1.00	0.50	129.			9.1	278.1	5.5						
07	01	01	1	08	-0.4	0.026	-9.000	-9.000	-999.	10.	3.7	0.19	1.00
0.54	0.50	99.			9.1	277.5	5.5						
07	01	01	1	09	27.8	0.091	0.542	0.005	196.	66.	-2.3	0.19	1.00
0.33	0.50	133.			9.1	278.1	5.5						
07	01	01	1	10	76.9	0.104	1.050	0.005	516.	81.	-1.3	0.19	1.00
0.26	0.50	174.			9.1	281.4	5.5						
07	01	01	1	11	110.0	0.109	1.374	0.009	810.	87.	-1.0	0.19	1.00
0.23	0.50	95.			9.1	284.9	5.5						
07	01	01	1	12	125.7	0.201	1.589	0.018	1095.	216.	-5.5	0.19	1.00
0.22	1.30	94.			9.1	288.1	5.5						
07	01	01	1	13	121.7	0.287	1.641	0.022	1248.	369.	-16.6	0.19	1.00
0.22	2.20	24.			9.1	291.4	5.5						
07	01	01	1	14	102.8	0.414	1.559	0.021	1265.	639.	-59.1	0.19	1.00
0.23	3.60	13.			9.1	292.5	5.5						
07	01	01	1	15	69.9	0.619	1.374	0.021	1276.	1169.	-291.2	0.19	1.00
0.27	5.80	318.			9.1	292.0	5.5						
07	01	01	1	16	16.8	0.607	0.856	0.021	1277.	1135.	-1137.8	0.19	1.00
0.36	5.80	329.			9.1	291.4	5.5						
07	01	01	1	17	-42.2	0.437	-9.000	-9.000	-999.	720.	169.3	0.19	1.00
0.64	4.50	333.			9.1	289.9	5.5						
07	01	01	1	18	-18.5	0.353	-9.000	-9.000	-999.	510.	204.1	0.19	1.00
1.00	3.60	305.			9.1	288.8	5.5						
07	01	01	1	19	-42.3	0.437	-9.000	-9.000	-999.	692.	168.7	0.19	1.00
1.00	4.50	276.			9.1	287.5	5.5						
07	01	01	1	20	-32.3	0.334	-9.000	-9.000	-999.	470.	98.6	0.19	1.00
1.00	3.60	323.			9.1	287.5	5.5						
07	01	01	1	21	-36.7	0.380	-9.000	-9.000	-999.	562.	128.3	0.19	1.00
1.00	4.00	322.			9.1	288.1	5.5						
07	01	01	1	22	-45.6	0.434	-9.000	-9.000	-999.	685.	153.6	0.19	1.00
1.00	4.50	30.			9.1	288.1	5.5						
07	01	01	1	23	-39.7	0.377	-9.000	-9.000	-999.	557.	115.4	0.19	1.00
1.00	4.00	343.			9.1	287.0	5.5						
07	01	01	1	24	-7.7	0.093	-9.000	-9.000	-999.	215.	9.1	0.19	1.00
1.00	1.80	155.			9.1	283.8	5.5						

First hour of profile data

YR	MO	DY	HR	HEIGHT	F	WDIR	WSPD	AMB_TMP	sigmaA	sigmaW	sigmaV
07	01	01	01	5.5	0	-999.	-99.00	279.9	99.0	-99.00	-99.00
07	01	01	01	9.1	1	133.	0.50	-999.0	99.0	-99.00	-99.00

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

♀ *** AERMOD - VERSION 15181 *** C:\Lakes\AERMOD

View\MVL\ConstructionLSTs\PM2Mit\PM2Mit.isc ***

10/20/15

*** AERMET - VERSION 14134 ***

17:53:22

Aermod LST Construction Outputs

PAGE 9

**MODELOPTs: RegDFAULT CONC ELEV FLGPOL URBAN

*** THE ANNUAL AVERAGE CONCENTRATION VALUES AVERAGED OVER 5
YEARS FOR SOURCE GROUP: ALL ***

INCLUDING SOURCE(S): AREA1 ,

*** DISCRETE CARTESIAN RECEPTOR POINTS

** CONC OF PM_{2.5} IN MICROGRAMS/M³

**

X-COORD (M)	Y-COORD (M)	CONC	X-COORD (M)
477994.17	3749818.50	0.00647	478348.59
3749820.73	0.00642		
478323.98	3749446.94	0.00959	478321.90
3749107.70	0.01554		
478311.50	3748947.34	0.02162	478314.46
3748704.06	0.04244		
478309.66	3748401.33	0.20592	478302.71
3748248.43	0.38764		

♀ *** AERMOD - VERSION 15181 *** C:\Lakes\AERMOD
View\MVL\ConstructionLSTs\PM2Mit\PM2Mit.isc *** 10/20/15
*** AERMET - VERSION 14134 ***
*** 17:53:22

PAGE 10

**MODELOPTs: RegDFAULT CONC ELEV FLGPOL URBAN

*** THE 1ST HIGHEST 24-HR AVERAGE CONCENTRATION
VALUES FOR SOURCE GROUP: ALL ***

INCLUDING SOURCE(S): AREA1 ,

*** DISCRETE CARTESIAN RECEPTOR POINTS

** CONC OF PM_{2.5} IN MICROGRAMS/M³

**

X-COORD (M)	Y-COORD (M)	CONC	(YYMMDDHH)	X-COORD (M)
Y-COORD (M)	CONC	(YYMMDDHH)		

Aermod LST Construction Outputs

477994.17	3749818.50	0.19985	(07011424)	478348.59
3749820.73	0.20730	(08010924)		
478323.98	3749446.94	0.27712	(09122124)	478321.90
3749107.70	0.37052	(09122124)		
478311.50	3748947.34	0.44091	(08011524)	478314.46
3748704.06	0.69531m	(07020624)		
478309.66	3748401.33	2.34985	(08010624)	478302.71
3748248.43	2.28654m	(08010224)		

♀ *** AERMOD - VERSION 15181 *** C:\Lakes\AERMOD
 View\MVL\ConstructionLSTs\PM2Mit\PM2Mit.isc *** 10/20/15
 *** AERMET - VERSION 14134 ***
 *** 17:53:22

PAGE 11

**MODELOPTs: RegDFAULT CONC ELEV FLGPOL URBAN

*** THE SUMMARY OF MAXIMUM ANNUAL RESULTS

AVERAGED OVER 5 YEARS ***

** CONC OF PM_{2.5} IN MICROGRAMS/M³

**

NETWORK

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

ALL	1ST HIGHEST VALUE IS	0.38764 AT (	478302.71,	3748248.43,
450.00,	450.00, 2.00) DC			
	2ND HIGHEST VALUE IS	0.20592 AT (	478309.66,	3748401.33,
451.00,	451.00, 2.00) DC			
	3RD HIGHEST VALUE IS	0.04244 AT (	478314.46,	3748704.06,
452.00,	452.00, 2.00) DC			
	4TH HIGHEST VALUE IS	0.02162 AT (	478311.50,	3748947.34,
453.00,	453.00, 2.00) DC			
	5TH HIGHEST VALUE IS	0.01554 AT (	478321.90,	3749107.70,
454.00,	454.00, 2.00) DC			
	6TH HIGHEST VALUE IS	0.00959 AT (	478323.98,	3749446.94,
456.00,	456.00, 2.00) DC			
	7TH HIGHEST VALUE IS	0.00647 AT (	477994.17,	3749818.50,
458.00,	458.00, 2.00) DC			
	8TH HIGHEST VALUE IS	0.00642 AT (	478348.59,	3749820.73,
458.30,	458.30, 2.00) DC			
	9TH HIGHEST VALUE IS	0.00000 AT (	0.00,	0.00,
0.00,	0.00, 0.00)			

Aermod LST Construction Outputs

10TH HIGHEST VALUE IS 0.00000 AT (0.00, 0.00,
0.00, 0.00, 0.00)

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

♀ *** AERMOD - VERSION 15181 *** C:\Lakes\AERMOD
View\MVL\ConstructionLSTs\PM2Mit\PM2Mit.isc *** 10/20/15

*** AERMET - VERSION 14134 ***
*** 17:53:22

PAGE 12
**MODELOPTs: RegDFAULT CONC ELEV FLGPOL URBAN

*** THE SUMMARY OF HIGHEST 24-HR
RESULTS ***

** CONC OF PM_{2.5} IN MICROGRAMS/M³
**

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

ALL HIGH 1ST HIGH VALUE IS 2.34985 ON 08010624: AT (478309.66,
3748401.33, 451.00, 451.00, 2.00) DC

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

♀ *** AERMOD - VERSION 15181 *** C:\Lakes\AERMOD
View\MVL\ConstructionLSTs\PM2Mit\PM2Mit.isc *** 10/20/15

*** AERMET - VERSION 14134 ***
*** 17:53:22

PAGE 13
**MODELOPTs: RegDFAULT CONC ELEV FLGPOL URBAN

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

Aermod LST Construction Outputs

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

A Total of 0 Fatal Error Message(s)
A Total of 1 Warning Message(s)
A Total of 1895 Informational Message(s)

A Total of 43824 Hours Were Processed

A Total of 90 Calm Hours Identified

A Total of 1805 Missing Hours Identified (4.12 Percent)

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

***** WARNING MESSAGES *****
ME W531 72 MEOPEN: CAUTION! Met Station ID Missing from SURFFILE for
SURFDATA

*** AERMOD Finishes Successfully ***

**

**
** AERMOD Input Produced by:
** AERMOD View Ver. 9.0.0
** Lakes Environmental Software Inc.
** Date: 10/20/2015
** File: C:\Lakes\AERMOD View\MVL\ConstructionLSTs\PM10UnMit\PM10UnMit.ADI
**

**
**

** AERMOD Control Pathway

**
**
CO STARTING
 TITLEONE C:\Lakes\AERMOD View\MVL\ConstructionLSTs\PM10UnMit\PM10UnMit.isc
 MODELOPT DFAULT CONC
 AVERTIME 24 ANNUAL
 URBANOPT 2100516

Aermod LST Construction Outputs

```
POLLUTID PM_10
FLAGPOLE 2.00
RUNORNOT RUN
ERRORFIL PM10UnMit.err
CO FINISHED
**
*****
** AERMOD Source Pathway
*****
**
**
SO STARTING
** Source Location **
** Source ID - Type - X Coord. - Y Coord. **
LOCATION AREA1      AREA      478047.969  3748187.953      450.000
** Source Parameters **
SRCPARAM AREA1      8.4074E-06      0.000  224.913  224.913      0.000
1.000
URBANSRC ALL

** Variable Emissions Type: "By Hour-of-Day (HROFDY)"
** Variable Emission Scenario: "Construction"
EMISFACT AREA1      HROFDY 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT AREA1      HROFDY 0.0 1.0 1.0 1.0 1.0 1.0
EMISFACT AREA1      HROFDY 1.0 1.0 1.0 0.0 0.0 0.0
EMISFACT AREA1      HROFDY 0.0 0.0 0.0 0.0 0.0 0.0
SRCGROUP ALL
SO FINISHED
**
*****
** AERMOD Receptor Pathway
*****
**
**
RE STARTING
INCLUDED PM10UnMit.rou
RE FINISHED
**
*****
** AERMOD Meteorology Pathway
*****
**
**
ME STARTING
SURFFILE ..\..\peri8.sfc
PROFFILE ..\..\peri8.PFL
SURFDATA 3190 2007
UAIRDATA 3190 2007
```

Aermod LST Construction Outputs

SITEDATA 99999 2007
PROFBASE 442.0 METERS
ME FINISHED

**

** AERMOD Output Pathway

**

**

OU STARTING

RECTABLE ALLAVE 1ST

RECTABLE 24 1ST

** Auto-Generated Plotfiles

PLOTFILE 24 ALL 1ST PM10UNMIT.AD\24H1GALL.PLT 31

PLOTFILE ANNUAL ALL PM10UNMIT.AD\AN00GALL.PLT 32

SUMMFILE PM10UnMit.sum

OU FINISHED

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

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

A Total of	0 Fatal Error Message(s)
A Total of	1 Warning Message(s)
A Total of	0 Informational Message(s)

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

***** WARNING MESSAGES *****
ME W531 72 MEOPEN: CAUTION! Met Station ID Missing from SURFFILE for
SURFDATA

*** SETUP Finishes Successfully ***

♀ *** AERMOD - VERSION 15181 *** *** C:\Lakes\AERMOD
View\MVL\ConstructionLSTs\PM10UnMit\PM10UnMit.isc *** 10/20/15
*** AERMET - VERSION 14134 *** ***
*** 17:47:37

**MODELOPTs:	RegDFAULT CONC	PAGE 1	ELEV	FLGPOL	URBAN

Aermod LST Construction Outputs

*** 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 = 2100516.0 ; 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:

TEMP_Sub - Meteorological data includes TEMP substitutions

**Model Accepts FLAGPOLE Receptor Heights.

**The User Specified a Pollutant Type of: PM₁₀

**Model Calculates 1 Short Term Average(s) of: 24-HR
and Calculates ANNUAL Averages

**This Run Includes: 1 Source(s); 1 Source Group(s); and 8
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)

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

Aermod LST Construction Outputs

**The AERMET Input Meteorological Data Version Date: 14134

Model Outputs Tables of ANNUAL Averages by Receptor

Model Outputs Tables of Highest Short Term Values by Receptor (RECTABLE

Model Outputs Separate Summary File of High Ranked Values (SUMMFILE

```

**Misc. Inputs: Base Elev. for Pot. Temp. Profile (m MSL) = 442.00 ; Decay
Coef. = 0.000 ; Rot. Angle = 0.0
Emission Units = GRAMS/SEC ;
Emission Rate Unit Factor = 0.10000E+07
Output Units = MICROGRAMS/M**3

```

```
**File for Summary of Results:  PM10UnMit.sum
```

```

**MODELOPTs:  RegDFAULT CONC      PAGE 2      ELEV      FLGPOL      URBAN

```

Y-DIM	ORIENT.	NUMBER	EMISSION	RATE	COORD (SW CORNER)	BASE	RELEASE	X-DIM
SOURCE	PART.	(GRAMS/SEC	URBAN	EMISSION	RATE			
OF AREA	OF AREA	SZ	SOURCE	SCALAR	VARY	ELEV.	HEIGHT	OF AREA
ID	CATS.	/METER**2)	(METERS)	(METERS)	(METERS)	(METERS)	(METERS)	(METERS)
(METERS)	(DEG.)	(METERS)	BY					

Aermot LST Construction Outputs

```

AREA1          0  0.84074E-05  478048.0  3748188.0  450.0      0.00      224.91
224.91          0.00      1.00      YES      HROFDY
♀ *** AERMOD - VERSION  15181 ***      *** C:\Lakes\AERMOD
View\MVL\ConstructionLSTs\PM10UnMit\PM10UnMit.isc      ***      10/20/15
*** AERMET - VERSION  14134 ***      ***
***                                     17:47:37

```

```

**MODELOPTs:  RegDFAULT CONC      PAGE  3
ELEV          FLGPOL      URBAN

```

*** SOURCE IDs DEFINING SOURCE GROUPS

```

SRCGROUP ID      SOURCE IDs
-----

```

```

ALL      AREA1      ,
♀ *** AERMOD - VERSION  15181 ***      *** C:\Lakes\AERMOD
View\MVL\ConstructionLSTs\PM10UnMit\PM10UnMit.isc      ***      10/20/15
*** AERMET - VERSION  14134 ***      ***
***                                     17:47:37

```

```

**MODELOPTs:  RegDFAULT CONC      PAGE  4
ELEV          FLGPOL      URBAN

```

*** SOURCE IDs DEFINED AS URBAN SOURCES

```

URBAN ID      URBAN POP      SOURCE IDs
-----

```

```

2100516.      AREA1      ,
♀ *** AERMOD - VERSION  15181 ***      *** C:\Lakes\AERMOD
View\MVL\ConstructionLSTs\PM10UnMit\PM10UnMit.isc      ***      10/20/15
*** AERMET - VERSION  14134 ***      ***
***                                     17:47:37

```

```

**MODELOPTs:  RegDFAULT CONC      PAGE  5
ELEV          FLGPOL      URBAN

```

* SOURCE EMISSION RATE SCALARS WHICH VARY FOR EACH HOUR
OF THE DAY *

Aermod LST Construction Outputs

HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR

SOURCE ID = AREA1		; SOURCE TYPE = AREA	:				
1 .00000E+00		2 .00000E+00		3 .00000E+00		4 .00000E+00	
5 .00000E+00		6 .00000E+00					
7 .00000E+00		8 .10000E+01		9 .10000E+01		10 .10000E+01	
11 .10000E+01		12 .10000E+01					
13 .10000E+01		14 .10000E+01		15 .10000E+01		16 .00000E+00	
17 .00000E+00		18 .00000E+00					
19 .00000E+00		20 .00000E+00		21 .00000E+00		22 .00000E+00	
23 .00000E+00		24 .00000E+00					

♀ *** AERMOD - VERSION 15181 *** *** C:\Lakes\AERMOD
View\MVL\ConstructionLSTs\PM10UnMit\PM10UnMit.isc *** 10/20/15
*** AERMET - VERSION 14134 *** ***
*** 17:47:37

***MODELOPTs: RegDFAULT CONC PAGE 6
ELEV FLGPOL URBAN

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

(477994.2, 3749818.5, 458.0, 458.0, 2.0);	(478348.6,
3749820.7, 458.3, 458.3, 2.0);	
(478324.0, 3749446.9, 456.0, 456.0, 2.0);	(478321.9,
3749107.7, 454.0, 454.0, 2.0);	
(478311.5, 3748947.3, 453.0, 453.0, 2.0);	(478314.5,
3748704.1, 452.0, 452.0, 2.0);	
(478309.7, 3748401.3, 451.0, 451.0, 2.0);	(478302.7,
3748248.4, 450.0, 450.0, 2.0);	

♀ *** AERMOD - VERSION 15181 *** *** C:\Lakes\AERMOD
View\MVL\ConstructionLSTs\PM10UnMit\PM10UnMit.isc *** 10/20/15
*** AERMET - VERSION 14134 *** ***
*** 17:47:37

***MODELOPTs: RegDFAULT CONC PAGE 7
ELEV FLGPOL URBAN

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

[illegible]

CATEGORIES ***

*** UPPER BOUND OF FIRST THROUGH FIFTH WIND SPEED

(METERS/SEC)

```

⌞ *** AERMOD - VERSION 15181 ***      *** C:\Lakes\AERMOD
View\MVL\ConstructionLSTs\PM10UnMit\PM10UnMit.isc      ***      10/20/15
*** AERMET - VERSION 14134 ***      ***
***      17:47:37

```

```

**MODELOPTs:  RegDFault  CONC          PAGE      8          ELEV          FLGPOL          URBAN

```

Surface file: ..\..\peri8.sfc
Met Version: 14134
Profile file: ..\..\peri8.PFL

Profile format: FREE

Upper air station no.: 3190
Name: UNKNOWN

Aermod LST Construction Outputs

Year: 2007

Year: 2007

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							
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
07	01	01	1	01	-0.5	0.026	-9.000	-9.000	-999.	10.	3.0	0.19	1.00	
1.00		0.50		133.	9.1	279.9	5.5							
07	01	01	1	02	-0.5	0.026	-9.000	-9.000	-999.	10.	3.0	0.19	1.00	
1.00		0.50		192.	9.1	279.2	5.5							
07	01	01	1	03	-0.5	0.026	-9.000	-9.000	-999.	10.	3.0	0.19	1.00	
1.00		0.50		160.	9.1	277.5	5.5							
07	01	01	1	04	-0.5	0.026	-9.000	-9.000	-999.	10.	3.0	0.19	1.00	
1.00		0.50		75.	9.1	277.5	5.5							
07	01	01	1	05	-0.6	0.026	-9.000	-9.000	-999.	10.	2.6	0.19	1.00	
1.00		0.50		282.	9.1	278.8	5.5							
07	01	01	1	06	-0.6	0.026	-9.000	-9.000	-999.	10.	2.6	0.19	1.00	
1.00		0.50		96.	9.1	277.5	5.5							
07	01	01	1	07	-0.5	0.026	-9.000	-9.000	-999.	10.	3.0	0.19	1.00	
1.00		0.50		129.	9.1	278.1	5.5							
07	01	01	1	08	-0.4	0.026	-9.000	-9.000	-999.	10.	3.7	0.19	1.00	
0.54		0.50		99.	9.1	277.5	5.5							
07	01	01	1	09	27.8	0.091	0.542	0.005	196.	66.	-2.3	0.19	1.00	
0.33		0.50		133.	9.1	278.1	5.5							
07	01	01	1	10	76.9	0.104	1.050	0.005	516.	81.	-1.3	0.19	1.00	
0.26		0.50		174.	9.1	281.4	5.5							
07	01	01	1	11	110.0	0.109	1.374	0.009	810.	87.	-1.0	0.19	1.00	
0.23		0.50		95.	9.1	284.9	5.5							
07	01	01	1	12	125.7	0.201	1.589	0.018	1095.	216.	-5.5	0.19	1.00	
0.22		1.30		94.	9.1	288.1	5.5							
07	01	01	1	13	121.7	0.287	1.641	0.022	1248.	369.	-16.6	0.19	1.00	
0.22		2.20		24.	9.1	291.4	5.5							
07	01	01	1	14	102.8	0.414	1.559	0.021	1265.	639.	-59.1	0.19	1.00	
0.23		3.60		13.	9.1	292.5	5.5							
07	01	01	1	15	69.9	0.619	1.374	0.021	1276.	1169.	-291.2	0.19	1.00	
0.27		5.80		318.	9.1	292.0	5.5							
07	01	01	1	16	16.8	0.607	0.856	0.021	1277.	1135.	-1137.8	0.19	1.00	
0.36		5.80		329.	9.1	291.4	5.5							
07	01	01	1	17	-42.2	0.437	-9.000	-9.000	-999.	720.	169.3	0.19	1.00	
0.64		4.50		333.	9.1	289.9	5.5							
07	01	01	1	18	-18.5	0.353	-9.000	-9.000	-999.	510.	204.1	0.19	1.00	
1.00		3.60		305.	9.1	288.8	5.5							
07	01	01	1	19	-42.3	0.437	-9.000	-9.000	-999.	692.	168.7	0.19	1.00	
1.00		4.50		276.	9.1	287.5	5.5							
07	01	01	1	20	-32.3	0.334	-9.000	-9.000	-999.	470.	98.6	0.19	1.00	
1.00		3.60		323.	9.1	287.5	5.5							

Aermod LST Construction Outputs

07 01 01	1 21	-36.7	0.380	-9.000	-9.000	-999.	562.	128.3	0.19	1.00
1.00	4.00	322.	9.1	288.1	5.5					
07 01 01	1 22	-45.6	0.434	-9.000	-9.000	-999.	685.	153.6	0.19	1.00
1.00	4.50	30.	9.1	288.1	5.5					
07 01 01	1 23	-39.7	0.377	-9.000	-9.000	-999.	557.	115.4	0.19	1.00
1.00	4.00	343.	9.1	287.0	5.5					
07 01 01	1 24	-7.7	0.093	-9.000	-9.000	-999.	215.	9.1	0.19	1.00
1.00	1.80	155.	9.1	283.8	5.5					

First hour of profile data

YR	MO	DY	HR	HEIGHT	F	WDIR	WSPD	AMB_TMP	sigmaA	sigmaW	sigmaV
07	01	01	01	5.5	0	-999.	-99.00	279.9	99.0	-99.00	-99.00
07	01	01	01	9.1	1	133.	0.50	-999.0	99.0	-99.00	-99.00

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

♀ *** AERMOD - VERSION 15181 *** C:\Lakes\AERMOD
 View\MVL\ConstructionLSTs\PM10UnMit\PM10UnMit.isc *** 10/20/15
 *** AERMET - VERSION 14134 ***
 *** 17:47:37

PAGE 9

**MODELOPTs: RegDFAULT CONC ELEV FLGPOL URBAN

*** THE ANNUAL AVERAGE CONCENTRATION VALUES AVERAGED OVER 5
 YEARS FOR SOURCE GROUP: ALL ***
 INCLUDING SOURCE(S): AREA1 ,

*** DISCRETE CARTESIAN RECEPTOR POINTS

** CONC OF PM₁₀ IN MICROGRAMS/M³

**

X-COORD (M)	Y-COORD (M)	CONC	X-COORD (M)
Y-COORD (M)	CONC		
477994.17	3749818.50	0.04277	478348.59
3749820.73	0.04242		
478323.98	3749446.94	0.06337	478321.90
3749107.70	0.10267		
478311.50	3748947.34	0.14283	478314.46
3748704.06	0.28040		
478309.66	3748401.33	1.36051	478302.71
3748248.43	2.56115		

♀ *** AERMOD - VERSION 15181 *** C:\Lakes\AERMOD
 View\MVL\ConstructionLSTs\PM10UnMit\PM10UnMit.isc *** 10/20/15

Aermod LST Construction Outputs

*** AERMET - VERSION 14134 ***
*** 17:47:37

***MODELOPTs: RegDFAULT CONC PAGE 10
ELEV FLGPOL URBAN

*** THE 1ST HIGHEST 24-HR AVERAGE CONCENTRATION
VALUES FOR SOURCE GROUP: ALL ***
INCLUDING SOURCE(S): AREA1 ,

*** DISCRETE CARTESIAN RECEPTOR POINTS

** CONC OF PM₁₀ IN MICROGRAMS/M³

**

X-COORD (M)	Y-COORD (M)	CONC	(YYMMDDHH)	X-COORD (M)
Y-COORD (M)	CONC	(YYMMDDHH)		
477994.17	3749818.50	1.32043	(07011424)	478348.59
3749820.73	1.36961	(08010924)		
478323.98	3749446.94	1.83095	(09122124)	478321.90
3749107.70	2.44800	(09122124)		
478311.50	3748947.34	2.91310	(08011524)	478314.46
3748704.06	4.59394m	(07020624)		
478309.66	3748401.33	15.52542	(08010624)	478302.71
3748248.43	15.10718m	(08010224)		

♀ *** AERMOD - VERSION 15181 *** C:\Lakes\AERMOD
View\MVL\ConstructionLSTs\PM10UnMit\PM10UnMit.isc *** 10/20/15
*** AERMET - VERSION 14134 ***
*** 17:47:37

***MODELOPTs: RegDFAULT CONC PAGE 11
ELEV FLGPOL URBAN

*** THE SUMMARY OF MAXIMUM ANNUAL RESULTS

AVERAGED OVER 5 YEARS ***

** CONC OF PM₁₀ IN MICROGRAMS/M³

**

NETWORK

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

Aermod LST Construction Outputs

```

- - - - -
ALL      1ST HIGHEST VALUE IS      2.56115 AT ( 478302.71, 3748248.43,
450.00,  450.00,    2.00) DC
          2ND HIGHEST VALUE IS      1.36051 AT ( 478309.66, 3748401.33,
451.00,  451.00,    2.00) DC
          3RD HIGHEST VALUE IS      0.28040 AT ( 478314.46, 3748704.06,
452.00,  452.00,    2.00) DC
          4TH HIGHEST VALUE IS      0.14283 AT ( 478311.50, 3748947.34,
453.00,  453.00,    2.00) DC
          5TH HIGHEST VALUE IS      0.10267 AT ( 478321.90, 3749107.70,
454.00,  454.00,    2.00) DC
          6TH HIGHEST VALUE IS      0.06337 AT ( 478323.98, 3749446.94,
456.00,  456.00,    2.00) DC
          7TH HIGHEST VALUE IS      0.04277 AT ( 477994.17, 3749818.50,
458.00,  458.00,    2.00) DC
          8TH HIGHEST VALUE IS      0.04242 AT ( 478348.59, 3749820.73,
458.30,  458.30,    2.00) DC
          9TH HIGHEST VALUE IS      0.00000 AT (      0.00,      0.00,
0.00,    0.00,    0.00)
          10TH HIGHEST VALUE IS     0.00000 AT (      0.00,      0.00,
0.00,    0.00,    0.00)
  
```

```

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

```

♀ *** AERMOD - VERSION 15181 *** *** C:\Lakes\AERMOD
View\MVL\ConstructionLSTs\PM10UnMit\PM10UnMit.isc ***      10/20/15
*** AERMET - VERSION 14134 *** ***
***      17:47:37
  
```

```

**MODELOPTs:  RegDFAULT CONC      PAGE 12
              ELEV      FLGPOL      URBAN
  
```

```

*** THE SUMMARY OF HIGHEST 24-HR
RESULTS ***
  
```

```

** CONC OF PM_10      IN MICROGRAMS/M**3
**
  
```

```

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

Aermod LST Construction Outputs

ALL HIGH 1ST HIGH VALUE IS 15.52542 ON 08010624: AT (478309.66,
3748401.33, 451.00, 451.00, 2.00) DC

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

♀ *** AERMOD - VERSION 15181 *** *** C:\Lakes\AERMOD
View\MVL\ConstructionLSTs\PM10UnMit\PM10UnMit.isc *** 10/20/15
*** AERMET - VERSION 14134 *** ***
*** 17:47:37

PAGE 13
**MODELOPTs: RegDFAULT CONC ELEV FLGPOL URBAN

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

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

A Total of 0 Fatal Error Message(s)
A Total of 1 Warning Message(s)
A Total of 1895 Informational Message(s)

A Total of 43824 Hours Were Processed

A Total of 90 Calm Hours Identified

A Total of 1805 Missing Hours Identified (4.12 Percent)

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

***** WARNING MESSAGES *****
ME W531 72 MEOPEN: CAUTION! Met Station ID Missing from SURFFILE for
SURFDATA

*** AERMOD Finishes Successfully ***

**

**

Aermod LST Construction Outputs

```

** AERMOD Input Produced by:
** AERMOD View Ver. 9.0.0
** Lakes Environmental Software Inc.
** Date: 10/20/2015
** File: C:\Lakes\AERMOD View\MVL\ConstructionLSTs\PM10Mit\PM10Mit.ADI
**
*****
**
**
*****
** AERMOD Control Pathway
*****
**
**
CO STARTING
  TITLEONE C:\Lakes\AERMOD View\MVL\ConstructionLSTs\PM10Mit\PM10Mit.isc
  MODELOPT DFAULT CONC
  AVERTIME 24 ANNUAL
  URBANOPT 2100516
  POLLUTID PM_10
  FLAGPOLE 2.00
  RUNORNOT RUN
  ERRORFIL PM10Mit.err
CO FINISHED
**
*****
** AERMOD Source Pathway
*****
**
**
SO STARTING
** Source Location **
** Source ID - Type - X Coord. - Y Coord. **
  LOCATION AREA1      AREA      478047.969   3748187.953      450.000
** Source Parameters **
  SRCPARAM AREA1      2.664E-06    0.000    224.913    224.913    0.000
1.000
  URBANSRC ALL

** Variable Emissions Type: "By Hour-of-Day (HROFDY)"
** Variable Emission Scenario: "Construction"
  EMISFACT AREA1      HROFDY 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT AREA1      HROFDY 0.0 1.0 1.0 1.0 1.0 1.0
  EMISFACT AREA1      HROFDY 1.0 1.0 1.0 0.0 0.0 0.0
  EMISFACT AREA1      HROFDY 0.0 0.0 0.0 0.0 0.0 0.0
  SRCGROUP ALL
SO FINISHED
**

```

Aermod LST Construction Outputs

** AERMOD Receptor Pathway

**

**

RE STARTING

INCLUDED PM10Mit.rou

RE FINISHED

**

** AERMOD Meteorology Pathway

**

**

ME STARTING

SURFFILE ..\..\peri8.sfc

PROFFILE ..\..\peri8.PFL

SURFDATA 3190 2007

UAIRDATA 3190 2007

SITEDATA 99999 2007

PROFBASE 442.0 METERS

ME FINISHED

**

** AERMOD Output Pathway

**

**

OU STARTING

RECTABLE ALLAVE 1ST

RECTABLE 24 1ST

** Auto-Generated Plotfiles

PLOTFILE 24 ALL 1ST PM10MIT.AD\24H1GALL.PLT 31

PLOTFILE ANNUAL ALL PM10MIT.AD\AN00GALL.PLT 32

SUMMFILE PM10Mit.sum

OU FINISHED

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

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

A Total of 0 Fatal Error Message(s)

A Total of 1 Warning Message(s)

A Total of 0 Informational Message(s)

***** FATAL ERROR MESSAGES *****

Aermod LST Construction Outputs
*** NONE ***

***** WARNING MESSAGES *****
ME W531 72 MEOPEN: CAUTION! Met Station ID Missing from SURFFILE for
SURFDATA

*** SETUP Finishes Successfully ***

♀ *** AERMOD - VERSION 15181 *** *** C:\Lakes\AERMOD
View\MVL\ConstructionLSTs\PM10Mit\PM10Mit.isc *** 10/20/15
*** AERMET - VERSION 14134 *** ***
*** 17:49:34

PAGE 1
**MODELOPTs: RegDFAULT CONC ELEV FLGPOL URBAN

*** 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 = 2100516.0 ; 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:
TEMP_Sub - Meteorological data includes TEMP substitutions

**Model Accepts FLAGPOLE Receptor Heights.

Aermod LST Construction Outputs

**The User Specified a Pollutant Type of: PM₁₀

**Model Calculates 1 Short Term Average(s) of: 24-HR
and Calculates ANNUAL Averages

**This Run Includes: 1 Source(s); 1 Source Group(s); and 8
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)

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

**The AERMET Input Meteorological Data Version Date: 14134

**Output Options Selected:

Model Outputs Tables of ANNUAL Averages by Receptor
Model Outputs Tables of Highest Short Term Values by Receptor (RECTABLE
Keyword)
Model Outputs External File(s) of High Values for Plotting (PLOTFILE
Keyword)
Model Outputs Separate Summary File of High Ranked Values (SUMMFILE
Keyword)

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

**Misc. Inputs: Base Elev. for Pot. Temp. Profile (m MSL) = 442.00 ; Decay
Coef. = 0.000 ; Rot. Angle = 0.0
Emission Units = GRAMS/SEC ;
Emission Rate Unit Factor = 0.10000E+07
Output Units = MICROGRAMS/M**3

**Approximate Storage Requirements of Model = 3.5 MB of RAM.

**Detailed Error/Message File: PM10Mit.err

**File for Summary of Results: PM10Mit.sum

Aermid LST Construction Outputs

♀ *** AERMOD - VERSION 15181 *** *** C:\Lakes\AERMOD
View\MVL\ConstructionLSTs\PM10Mit\PM10Mit.isc *** 10/20/15
*** AERMET - VERSION 14134 *** ***
*** 17:49:34

PAGE 2
**MODELOPTs: RegDFAULT CONC ELEV FLGPOL URBAN

*** AREA SOURCE DATA ***

Y-DIM	ORIENT.	NUMBER EMISSION RATE	COORD (SW CORNER)	BASE	RELEASE	X-DIM
SOURCE	PART.	INIT. URBAN EMISSION RATE	SCALAR VARY	ELEV.	HEIGHT	OF AREA
OF AREA	OF AREA	SZ SOURCE	(METERS)	(METERS)	(METERS)	(METERS)
ID	CATS.	/METER**2)	(METERS)	(METERS)	(METERS)	(METERS)
(METERS)	(DEG.)	(METERS)	BY			
AREA1	0	0.26640E-05	478048.0	3748188.0	450.0	0.00
224.91	0.00	1.00	YES	HROFDY		

♀ *** AERMOD - VERSION 15181 *** *** C:\Lakes\AERMOD
View\MVL\ConstructionLSTs\PM10Mit\PM10Mit.isc *** 10/20/15
*** AERMET - VERSION 14134 *** ***
*** 17:49:34

PAGE 3
**MODELOPTs: RegDFAULT CONC ELEV FLGPOL URBAN

*** SOURCE IDs DEFINING SOURCE GROUPS

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

ALL AREA1 ,
♀ *** AERMOD - VERSION 15181 *** *** C:\Lakes\AERMOD
View\MVL\ConstructionLSTs\PM10Mit\PM10Mit.isc *** 10/20/15
*** AERMET - VERSION 14134 *** ***
*** 17:49:34

PAGE 4
**MODELOPTs: RegDFAULT CONC ELEV FLGPOL URBAN

Aermod LST Construction Outputs

*** SOURCE IDs DEFINED AS URBAN SOURCES

URBAN ID URBAN POP

SOURCE IDs

2100516. AREA1
♀ *** AERMOD - VERSION 15181 *** C:\Lakes\AERMOD
View\MVL\ConstructionLSTs\PM10Mit\PM10Mit.isc *** 10/20/15
*** AERMET - VERSION 14134 *** ***
*** 17:49:34

PAGE 5
**MODELOPTs: RegDFAULT CONC ELEV FLGPOL URBAN

* SOURCE EMISSION RATE SCALARS WHICH VARY FOR EACH HOUR
OF THE DAY *

HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR

SOURCE ID = AREA1 ; SOURCE TYPE = AREA :							
1	.00000E+00	2	.00000E+00	3	.00000E+00	4	.00000E+00
5	.00000E+00	6	.00000E+00				
7	.00000E+00	8	.10000E+01	9	.10000E+01	10	.10000E+01
11	.10000E+01	12	.10000E+01				
13	.10000E+01	14	.10000E+01	15	.10000E+01	16	.00000E+00
17	.00000E+00	18	.00000E+00				
19	.00000E+00	20	.00000E+00	21	.00000E+00	22	.00000E+00
23	.00000E+00	24	.00000E+00				

♀ *** AERMOD - VERSION 15181 *** C:\Lakes\AERMOD
View\MVL\ConstructionLSTs\PM10Mit\PM10Mit.isc *** 10/20/15
*** AERMET - VERSION 14134 *** ***
*** 17:49:34

PAGE 6
**MODELOPTs: RegDFAULT CONC ELEV FLGPOL URBAN

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

(477994.2, 3749818.5, 458.0, 458.0, 2.0); (478348.6,

Aermod LST Construction Outputs

*** AERMET - VERSION 14134 ***

17:49:34

**MODELOPTs: RegDFAULT CONC PAGE 8
ELEV FLGPOL URBAN

*** UP TO THE FIRST 24 HOURS OF METEOROLOGICAL

DATA ***

Surface file: ..\..\peri8.sfc
Met Version: 14134
Profile file: ..\..\peri8.PFL

Surface format: FREE

Profile format: FREE

Surface station no.: 3190
Name: UNKNOWN

Upper air station no.: 3190
Name: UNKNOWN

Year: 2007

Year: 2007

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							
07	01	01	1	01	-0.5	0.026	-9.000	-9.000	-999.	10.	3.0	0.19	1.00	
1.00	0.50	133.			9.1	279.9	5.5							
07	01	01	1	02	-0.5	0.026	-9.000	-9.000	-999.	10.	3.0	0.19	1.00	
1.00	0.50	192.			9.1	279.2	5.5							
07	01	01	1	03	-0.5	0.026	-9.000	-9.000	-999.	10.	3.0	0.19	1.00	
1.00	0.50	160.			9.1	277.5	5.5							
07	01	01	1	04	-0.5	0.026	-9.000	-9.000	-999.	10.	3.0	0.19	1.00	
1.00	0.50	75.			9.1	277.5	5.5							
07	01	01	1	05	-0.6	0.026	-9.000	-9.000	-999.	10.	2.6	0.19	1.00	
1.00	0.50	282.			9.1	278.8	5.5							
07	01	01	1	06	-0.6	0.026	-9.000	-9.000	-999.	10.	2.6	0.19	1.00	
1.00	0.50	96.			9.1	277.5	5.5							
07	01	01	1	07	-0.5	0.026	-9.000	-9.000	-999.	10.	3.0	0.19	1.00	
1.00	0.50	129.			9.1	278.1	5.5							
07	01	01	1	08	-0.4	0.026	-9.000	-9.000	-999.	10.	3.7	0.19	1.00	
0.54	0.50	99.			9.1	277.5	5.5							
07	01	01	1	09	27.8	0.091	0.542	0.005	196.	66.	-2.3	0.19	1.00	
0.33	0.50	133.			9.1	278.1	5.5							
07	01	01	1	10	76.9	0.104	1.050	0.005	516.	81.	-1.3	0.19	1.00	
0.26	0.50	174.			9.1	281.4	5.5							
07	01	01	1	11	110.0	0.109	1.374	0.009	810.	87.	-1.0	0.19	1.00	

0.23	0.50	95.	9.1	284.9	5.5								
07 01 01	1 12	125.7	0.201	1.589	0.018	1095.	216.		-5.5	0.19	1.00		
0.22	1.30	94.	9.1	288.1	5.5								
07 01 01	1 13	121.7	0.287	1.641	0.022	1248.	369.		-16.6	0.19	1.00		
0.22	2.20	24.	9.1	291.4	5.5								
07 01 01	1 14	102.8	0.414	1.559	0.021	1265.	639.		-59.1	0.19	1.00		
0.23	3.60	13.	9.1	292.5	5.5								
07 01 01	1 15	69.9	0.619	1.374	0.021	1276.	1169.		-291.2	0.19	1.00		
0.27	5.80	318.	9.1	292.0	5.5								
07 01 01	1 16	16.8	0.607	0.856	0.021	1277.	1135.		-1137.8	0.19	1.00		
0.36	5.80	329.	9.1	291.4	5.5								
07 01 01	1 17	-42.2	0.437	-9.000	-9.000	-999.	720.		169.3	0.19	1.00		
0.64	4.50	333.	9.1	289.9	5.5								
07 01 01	1 18	-18.5	0.353	-9.000	-9.000	-999.	510.		204.1	0.19	1.00		
1.00	3.60	305.	9.1	288.8	5.5								
07 01 01	1 19	-42.3	0.437	-9.000	-9.000	-999.	692.		168.7	0.19	1.00		
1.00	4.50	276.	9.1	287.5	5.5								
07 01 01	1 20	-32.3	0.334	-9.000	-9.000	-999.	470.		98.6	0.19	1.00		
1.00	3.60	323.	9.1	287.5	5.5								
07 01 01	1 21	-36.7	0.380	-9.000	-9.000	-999.	562.		128.3	0.19	1.00		
1.00	4.00	322.	9.1	288.1	5.5								
07 01 01	1 22	-45.6	0.434	-9.000	-9.000	-999.	685.		153.6	0.19	1.00		
1.00	4.50	30.	9.1	288.1	5.5								
07 01 01	1 23	-39.7	0.377	-9.000	-9.000	-999.	557.		115.4	0.19	1.00		
1.00	4.00	343.	9.1	287.0	5.5								
07 01 01	1 24	-7.7	0.093	-9.000	-9.000	-999.	215.		9.1	0.19	1.00		
1.00	1.80	155.	9.1	283.8	5.5								

YR	MO	DY	HR	HEIGHT	F	WDIR	WSPD	AMB_TMP	sigmaA	sigmaW	sigmaV
07	01	01	01	5.5	0	-999.	-99.00	279.9	99.0	-99.00	-99.00
07	01	01	01	9.1	1	133.	0.50	-999.0	99.0	-99.00	-99.00

```

♀ *** AERMOD - VERSION 15181 ***      *** C:\Lakes\AERMOD
View\MVL\ConstructionLSTs\PM10Mit\PM10Mit.isc      ***      10/20/15
*** AERMET - VERSION 14134 ***      ***
***      17:49:34

```

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

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Aermod LST Construction Outputs

```

** CONC OF PM_10      IN MICROGRAMS/M**3
**
X-COORD (M)  Y-COORD (M)      CONC      X-COORD (M)
Y-COORD (M)      CONC
-----
477994.17    3749818.50      0.01355      478348.59
3749820.73    0.01344
478323.98    3749446.94      0.02008      478321.90
3749107.70    0.03253
478311.50    3748947.34      0.04526      478314.46
3748704.06    0.08885
478309.66    3748401.33      0.43110      478302.71
3748248.43    0.81154
♀ *** AERMOD - VERSION 15181 ***   *** C:\Lakes\AERMOD
View\MVL\ConstructionLSTs\PM10Mit\PM10Mit.isc   ***   10/20/15
*** AERMET - VERSION 14134 ***   ***
***   17:49:34

```

```

PAGE 10
**MODELOPTs:  RegDFAULT CONC      ELEV      FLGPOL      URBAN
*** THE 1ST HIGHEST 24-HR AVERAGE CONCENTRATION
VALUES FOR SOURCE GROUP: ALL      ***
INCLUDING SOURCE(S):      AREA1      ,
*** DISCRETE CARTESIAN RECEPTOR POINTS

```

```

** CONC OF PM_10      IN MICROGRAMS/M**3
**
X-COORD (M)  Y-COORD (M)      CONC      (YYMMDDHH)      X-COORD (M)
Y-COORD (M)      CONC      (YYMMDDHH)
-----
477994.17    3749818.50      0.41840  (07011424)      478348.59
3749820.73    0.43398  (08010924)
478323.98    3749446.94      0.58016  (09122124)      478321.90
3749107.70    0.77568  (09122124)
478311.50    3748947.34      0.92306  (08011524)      478314.46
3748704.06    1.45565m (07020624)
478309.66    3748401.33      4.91944  (08010624)      478302.71
3748248.43    4.78692m (08010224)
♀ *** AERMOD - VERSION 15181 ***   *** C:\Lakes\AERMOD

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Aermod LST Construction Outputs

View\MVL\ConstructionLSTs\PM10Mit\PM10Mit.isc *** 10/20/15

*** AERMET - VERSION 14134 *** ***

*** 17:49:34

***MODELOPTs: RegDFAULT CONC PAGE 11

ELEV FLGPOL URBAN

*** THE SUMMARY OF MAXIMUM ANNUAL RESULTS

AVERAGED OVER 5 YEARS ***

** CONC OF PM₁₀ IN MICROGRAMS/M³

**

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

ALL	1ST HIGHEST VALUE IS		0.81154 AT (	478302.71,	3748248.43,		
450.00,	450.00, 2.00)	DC					
	2ND HIGHEST VALUE IS		0.43110 AT (	478309.66,	3748401.33,		
451.00,	451.00, 2.00)	DC					
	3RD HIGHEST VALUE IS		0.08885 AT (	478314.46,	3748704.06,		
452.00,	452.00, 2.00)	DC					
	4TH HIGHEST VALUE IS		0.04526 AT (	478311.50,	3748947.34,		
453.00,	453.00, 2.00)	DC					
	5TH HIGHEST VALUE IS		0.03253 AT (	478321.90,	3749107.70,		
454.00,	454.00, 2.00)	DC					
	6TH HIGHEST VALUE IS		0.02008 AT (	478323.98,	3749446.94,		
456.00,	456.00, 2.00)	DC					
	7TH HIGHEST VALUE IS		0.01355 AT (	477994.17,	3749818.50,		
458.00,	458.00, 2.00)	DC					
	8TH HIGHEST VALUE IS		0.01344 AT (	478348.59,	3749820.73,		
458.30,	458.30, 2.00)	DC					
	9TH HIGHEST VALUE IS		0.00000 AT (	0.00,	0.00,		
0.00,	0.00, 0.00)						
	10TH HIGHEST VALUE IS		0.00000 AT (	0.00,	0.00,		
0.00,	0.00, 0.00)						

*** RECEPTOR TYPES: GC = GRIDCART

GP = GRIDPOLR

DC = DISCCART

DP = DISCPOLR

♀ *** AERMOD - VERSION 15181 *** *** C:\Lakes\AERMOD

Aermod LST Construction Outputs

View\MVL\ConstructionLSTs\PM10Mit\PM10Mit.isc *** 10/20/15

*** AERMET - VERSION 14134 *** ***

*** 17:49:34

***MODELOPTs: RegDFAULT CONC PAGE 12

ELEV FLGPOL URBAN

*** THE SUMMARY OF HIGHEST 24-HR

RESULTS ***

** CONC OF PM_10 IN MICROGRAMS/M**3

**

GROUP ID (XR, YR, ZELEV, ZHILL, ZFLAG)	AVERAGE CONC OF TYPE	NETWORK GRID-ID	DATE (YYMMDDHH)	RECEPTOR
ALL HIGH 1ST HIGH VALUE IS	4.91944	ON 08010624:	AT (	478309.66,
3748401.33, 451.00, 451.00,	2.00)	DC		

*** RECEPTOR TYPES: GC = GRIDCART

GP = GRIDPOLR

DC = DISCCART

DP = DISCPOLR

♀ *** AERMOD - VERSION 15181 *** *** C:\Lakes\AERMOD

View\MVL\ConstructionLSTs\PM10Mit\PM10Mit.isc *** 10/20/15

*** AERMET - VERSION 14134 *** ***

*** 17:49:34

***MODELOPTs: RegDFAULT CONC PAGE 13

ELEV FLGPOL URBAN

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

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

A Total of 0 Fatal Error Message(s)

A Total of 1 Warning Message(s)

A Total of 1895 Informational Message(s)

A Total of 43824 Hours Were Processed

A Total of 90 Calm Hours Identified

Aermod LST Construction Outputs

A Total of 1805 Missing Hours Identified (4.12 Percent)

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

***** WARNING MESSAGES *****
ME W531 72 MEOPEN: CAUTION! Met Station ID Missing from SURFFILE for
SURFDATA

*** AERMOD Finishes Successfully ***

AERMOD LSTs Operational Output

**

**

** AERMOD Input Produced by:

** AERMOD View Ver. 9.0.0

** Lakes Environmental Software Inc.

** Date: 11/3/2015

** File: C:\Lakes\AERMOD View\MVL\OperationalLSTs\CO\CO.ADI

**

**

**

** AERMOD Control Pathway

**

**

CO STARTING

TITLEONE C:\Lakes\AERMOD View\MVL\OperationalLSTs\CO\CO.isc

MODELOPT DFAULT CONC

AVERTIME 1 8

URBANOPT 2100516

POLLUTID CO

FLAGPOLE 2.00

RUNORNOT RUN

ERRORFIL CO.err

CO FINISHED

**

** AERMOD Source Pathway

**

**

SO STARTING

** Source Location **

** Source ID - Type - X Coord. - Y Coord. **

** -----

** Line Source Represented by Adjacent Volume Sources

** LINE VOLUME Source ID = SLINE1

** DESCRSRC On-Site Idling East of Building 1

** PREFIX

** Length of Side = 30.00

** Configuration = Adjacent

** Emission Rate = 0.01468

** Vertical Dimension = 4.00

** SZINIT = 1.86

** Nodes = 2

** 478216.131, 3748401.256, 451.00, 4.00, 13.95

AERMOD LSTs Operational Output

** 478218.470, 3748912.349, 453.00, 4.00, 13.95

** -----

LOCATION	L0001762	VOLUME	478216.200	3748416.256	451.00
LOCATION	L0001763	VOLUME	478216.337	3748446.256	451.00
LOCATION	L0001764	VOLUME	478216.474	3748476.255	451.15
LOCATION	L0001765	VOLUME	478216.612	3748506.255	451.73
LOCATION	L0001766	VOLUME	478216.749	3748536.255	452.00
LOCATION	L0001767	VOLUME	478216.886	3748566.254	452.00
LOCATION	L0001768	VOLUME	478217.023	3748596.254	452.00
LOCATION	L0001769	VOLUME	478217.161	3748626.254	452.00
LOCATION	L0001770	VOLUME	478217.298	3748656.253	452.00
LOCATION	L0001771	VOLUME	478217.435	3748686.253	452.00
LOCATION	L0001772	VOLUME	478217.573	3748716.253	452.00
LOCATION	L0001773	VOLUME	478217.710	3748746.252	452.00
LOCATION	L0001774	VOLUME	478217.847	3748776.252	452.00
LOCATION	L0001775	VOLUME	478217.984	3748806.252	452.66
LOCATION	L0001776	VOLUME	478218.122	3748836.251	453.00
LOCATION	L0001777	VOLUME	478218.259	3748866.251	453.00
LOCATION	L0001778	VOLUME	478218.396	3748896.251	453.00

** End of LINE VOLUME Source ID = SLINE1

** -----

** Line Source Represented by Adjacent Volume Sources

** LINE VOLUME Source ID = SLINE3

** DESCRSRC On-Site Idling West of Building 1

** PREFIX

** Length of Side = 30.00

** Configuration = Adjacent

** Emission Rate = 0.01253

** Vertical Dimension = 4.00

** SZINIT = 1.86

** Nodes = 2

** 477943.756, 3748486.125, 451.01, 4.00, 13.95

** 477947.383, 3748908.539, 453.00, 4.00, 13.95

** -----

LOCATION	L0001779	VOLUME	477943.885	3748501.124	451.49
LOCATION	L0001780	VOLUME	477944.142	3748531.123	452.00
LOCATION	L0001781	VOLUME	477944.400	3748561.122	452.00
LOCATION	L0001782	VOLUME	477944.658	3748591.121	452.00
LOCATION	L0001783	VOLUME	477944.915	3748621.120	452.00
LOCATION	L0001784	VOLUME	477945.173	3748651.119	452.00
LOCATION	L0001785	VOLUME	477945.430	3748681.118	452.49
LOCATION	L0001786	VOLUME	477945.688	3748711.117	453.00
LOCATION	L0001787	VOLUME	477945.945	3748741.116	453.00
LOCATION	L0001788	VOLUME	477946.203	3748771.114	453.00
LOCATION	L0001789	VOLUME	477946.461	3748801.113	453.00
LOCATION	L0001790	VOLUME	477946.718	3748831.112	453.00
LOCATION	L0001791	VOLUME	477946.976	3748861.111	453.00
LOCATION	L0001792	VOLUME	477947.233	3748891.110	453.00

AERMOD LSTs Operational Output

** End of LINE VOLUME Source ID = SLINE3

** -----

** Line Source Represented by Adjacent Volume Sources

** LINE VOLUME Source ID = SLINE4

** DESCRSRC On-Site Idling Building 2

** PREFIX

** Length of Side = 8.50

** Configuration = Adjacent

** Emission Rate = 0.006603

** Vertical Dimension = 4.00

** SZINIT = 1.86

** Nodes = 2

** 477756.670, 3748942.717, 453.94, 4.00, 3.95

** 477756.670, 3748877.200, 453.03, 4.00, 3.95

** -----

LOCATION L0001793	VOLUME	477756.670	3748938.467	454.00
LOCATION L0001794	VOLUME	477756.670	3748929.967	453.80
LOCATION L0001795	VOLUME	477756.670	3748921.467	453.55
LOCATION L0001796	VOLUME	477756.670	3748912.967	453.30
LOCATION L0001797	VOLUME	477756.670	3748904.467	453.10
LOCATION L0001798	VOLUME	477756.670	3748895.967	453.10
LOCATION L0001799	VOLUME	477756.670	3748887.467	453.10
LOCATION L0001800	VOLUME	477756.670	3748878.967	453.10

** End of LINE VOLUME Source ID = SLINE4

** -----

** Line Source Represented by Adjacent Volume Sources

** LINE VOLUME Source ID = SLINE5

** DESCRSRC On-site Idling Building 3

** PREFIX

** Length of Side = 8.50

** Configuration = Adjacent

** Emission Rate = 0.005232

** Vertical Dimension = 4.00

** SZINIT = 1.86

** Nodes = 6

** 477895.901, 3748339.060, 451.00, 4.00, 3.95

** 477936.827, 3748338.755, 450.99, 4.00, 3.95

** 477944.157, 3748337.839, 450.98, 4.00, 3.95

** 477975.920, 3748282.559, 450.00, 4.00, 3.95

** 477978.363, 3748262.401, 450.00, 4.00, 3.95

** 477978.058, 3748213.840, 450.00, 4.00, 3.95

** -----

LOCATION L0001801	VOLUME	477900.151	3748339.028	451.00
LOCATION L0001802	VOLUME	477908.651	3748338.965	451.00
LOCATION L0001803	VOLUME	477917.150	3748338.902	451.00
LOCATION L0001804	VOLUME	477925.650	3748338.838	451.00
LOCATION L0001805	VOLUME	477934.150	3748338.775	451.00
LOCATION L0001806	VOLUME	477942.605	3748338.033	451.00

AERMOD LSTs Operational Output

LOCATION L0001807	VOLUME	477947.612	3748331.825	451.00
LOCATION L0001808	VOLUME	477951.847	3748324.455	451.00
LOCATION L0001809	VOLUME	477956.082	3748317.085	450.00
LOCATION L0001810	VOLUME	477960.317	3748309.715	450.00
LOCATION L0001811	VOLUME	477964.551	3748302.345	450.00
LOCATION L0001812	VOLUME	477968.786	3748294.975	450.00
LOCATION L0001813	VOLUME	477973.021	3748287.605	450.00
LOCATION L0001814	VOLUME	477976.242	3748279.898	450.00
LOCATION L0001815	VOLUME	477977.265	3748271.460	450.00
LOCATION L0001816	VOLUME	477978.288	3748263.022	450.00
LOCATION L0001817	VOLUME	477978.314	3748254.526	450.00
LOCATION L0001818	VOLUME	477978.260	3748246.026	450.00
LOCATION L0001819	VOLUME	477978.207	3748237.527	450.00
LOCATION L0001820	VOLUME	477978.153	3748229.027	450.00
LOCATION L0001821	VOLUME	477978.100	3748220.527	450.00

** End of LINE VOLUME Source ID = SLINE5

** -----

** Line Source Represented by Adjacent Volume Sources

** LINE VOLUME Source ID = SLINE6

** DESCRSRC On-Site Idling Building 4

** PREFIX

** Length of Side = 8.50

** Configuration = Adjacent

** Emission Rate = 0.008948

** Vertical Dimension = 4.00

** SZINIT = 1.86

** Nodes = 2

** 477608.667, 3748933.539, 454.00, 0.00, 3.95

** 477608.667, 3748808.378, 454.00, 0.00, 3.95

** -----

LOCATION L0001822	VOLUME	477608.667	3748929.289	454.00
LOCATION L0001823	VOLUME	477608.667	3748920.789	454.00
LOCATION L0001824	VOLUME	477608.667	3748912.289	454.00
LOCATION L0001825	VOLUME	477608.667	3748903.789	454.00
LOCATION L0001826	VOLUME	477608.667	3748895.289	454.00
LOCATION L0001827	VOLUME	477608.667	3748886.789	454.00
LOCATION L0001828	VOLUME	477608.667	3748878.289	454.00
LOCATION L0001829	VOLUME	477608.667	3748869.789	454.00
LOCATION L0001830	VOLUME	477608.667	3748861.289	454.00
LOCATION L0001831	VOLUME	477608.667	3748852.789	454.00
LOCATION L0001832	VOLUME	477608.667	3748844.289	454.00
LOCATION L0001833	VOLUME	477608.667	3748835.789	454.00
LOCATION L0001834	VOLUME	477608.667	3748827.289	454.00
LOCATION L0001835	VOLUME	477608.667	3748818.789	454.00
LOCATION L0001836	VOLUME	477608.667	3748810.289	454.00

** End of LINE VOLUME Source ID = SLINE6

** -----

** Line Source Represented by Adjacent Volume Sources

AERMOD LSTs Operational Output

** LINE VOLUME Source ID = SLINE2
 ** DESCRSRC On-Site Idling South of Building 1
 ** PREFIX
 ** Length of Side = 30.00
 ** Configuration = Adjacent
 ** Emission Rate = 0.004041
 ** Vertical Dimension = 4.00
 ** SZINIT = 1.86
 ** Nodes = 2
 ** 478028.009, 3748335.520, 450.99, 0.00, 13.95
 ** 478166.972, 3748332.512, 450.89, 0.00, 13.95

** -----
 LOCATION L0001837 VOLUME 478043.005 3748335.195 451.00
 LOCATION L0001838 VOLUME 478072.998 3748334.546 451.00
 LOCATION L0001839 VOLUME 478102.991 3748333.897 451.00
 LOCATION L0001840 VOLUME 478132.984 3748333.248 451.00
 LOCATION L0001841 VOLUME 478162.977 3748332.598 451.00

** End of LINE VOLUME Source ID = SLINE2

** -----

** Line Source Represented by Adjacent Volume Sources

** LINE VOLUME Source ID = SLINE7
 ** DESCRSRC On-Site Travel Building 1
 ** PREFIX
 ** Length of Side = 8.50
 ** Configuration = Adjacent
 ** Emission Rate = 0.04674
 ** Vertical Dimension = 4.00
 ** SZINIT = 1.86
 ** Nodes = 10
 ** 477952.409, 3748975.666, 453.00, 4.00, 3.95
 ** 477951.898, 3748949.071, 453.00, 4.00, 3.95
 ** 477948.317, 3748924.522, 453.00, 4.00, 3.95
 ** 477947.295, 3748869.798, 453.00, 4.00, 3.95
 ** 477944.226, 3748488.264, 451.01, 4.00, 3.95
 ** 478016.339, 3748353.755, 451.00, 4.00, 3.95
 ** 478027.591, 3748336.366, 450.99, 4.00, 3.95
 ** 478215.801, 3748338.412, 450.97, 4.00, 3.95
 ** 478219.892, 3748913.271, 453.00, 4.00, 3.95
 ** 478201.992, 3748972.086, 453.00, 4.00, 3.95

** -----

LOCATION L0001842	VOLUME	477952.327	3748971.417	453.00
LOCATION L0001843	VOLUME	477952.164	3748962.918	453.00
LOCATION L0001844	VOLUME	477952.001	3748954.420	453.00
LOCATION L0001845	VOLUME	477951.443	3748945.954	453.00
LOCATION L0001846	VOLUME	477950.216	3748937.543	453.00
LOCATION L0001847	VOLUME	477948.989	3748929.132	453.00
LOCATION L0001848	VOLUME	477948.245	3748920.681	453.00
LOCATION L0001849	VOLUME	477948.087	3748912.183	453.00

AERMOD LSTs Operational Output

LOCATION	L0001850	VOLUME	477947.928	3748903.684	453.00
LOCATION	L0001851	VOLUME	477947.769	3748895.186	453.00
LOCATION	L0001852	VOLUME	477947.610	3748886.687	453.00
LOCATION	L0001853	VOLUME	477947.452	3748878.189	453.00
LOCATION	L0001854	VOLUME	477947.294	3748869.690	453.00
LOCATION	L0001855	VOLUME	477947.226	3748861.191	453.00
LOCATION	L0001856	VOLUME	477947.157	3748852.691	453.00
LOCATION	L0001857	VOLUME	477947.089	3748844.191	453.00
LOCATION	L0001858	VOLUME	477947.021	3748835.691	453.00
LOCATION	L0001859	VOLUME	477946.952	3748827.192	453.00
LOCATION	L0001860	VOLUME	477946.884	3748818.692	453.00
LOCATION	L0001861	VOLUME	477946.816	3748810.192	453.00
LOCATION	L0001862	VOLUME	477946.747	3748801.692	453.00
LOCATION	L0001863	VOLUME	477946.679	3748793.193	453.00
LOCATION	L0001864	VOLUME	477946.610	3748784.693	453.00
LOCATION	L0001865	VOLUME	477946.542	3748776.193	453.00
LOCATION	L0001866	VOLUME	477946.474	3748767.694	453.00
LOCATION	L0001867	VOLUME	477946.405	3748759.194	453.00
LOCATION	L0001868	VOLUME	477946.337	3748750.694	453.00
LOCATION	L0001869	VOLUME	477946.269	3748742.194	453.00
LOCATION	L0001870	VOLUME	477946.200	3748733.695	453.00
LOCATION	L0001871	VOLUME	477946.132	3748725.195	453.00
LOCATION	L0001872	VOLUME	477946.063	3748716.695	453.00
LOCATION	L0001873	VOLUME	477945.995	3748708.195	453.00
LOCATION	L0001874	VOLUME	477945.927	3748699.696	453.00
LOCATION	L0001875	VOLUME	477945.858	3748691.196	452.82
LOCATION	L0001876	VOLUME	477945.790	3748682.696	452.54
LOCATION	L0001877	VOLUME	477945.722	3748674.197	452.25
LOCATION	L0001878	VOLUME	477945.653	3748665.697	452.00
LOCATION	L0001879	VOLUME	477945.585	3748657.197	452.00
LOCATION	L0001880	VOLUME	477945.517	3748648.697	452.00
LOCATION	L0001881	VOLUME	477945.448	3748640.198	452.00
LOCATION	L0001882	VOLUME	477945.380	3748631.698	452.00
LOCATION	L0001883	VOLUME	477945.311	3748623.198	452.00
LOCATION	L0001884	VOLUME	477945.243	3748614.699	452.00
LOCATION	L0001885	VOLUME	477945.175	3748606.199	452.00
LOCATION	L0001886	VOLUME	477945.106	3748597.699	452.00
LOCATION	L0001887	VOLUME	477945.038	3748589.199	452.00
LOCATION	L0001888	VOLUME	477944.970	3748580.700	452.00
LOCATION	L0001889	VOLUME	477944.901	3748572.200	452.00
LOCATION	L0001890	VOLUME	477944.833	3748563.700	452.00
LOCATION	L0001891	VOLUME	477944.764	3748555.200	452.00
LOCATION	L0001892	VOLUME	477944.696	3748546.701	452.00
LOCATION	L0001893	VOLUME	477944.628	3748538.201	452.00
LOCATION	L0001894	VOLUME	477944.559	3748529.701	452.00
LOCATION	L0001895	VOLUME	477944.491	3748521.202	452.00
LOCATION	L0001896	VOLUME	477944.423	3748512.702	451.87
LOCATION	L0001897	VOLUME	477944.354	3748504.202	451.59

AERMOD LSTs Operational Output

LOCATION	L0001898	VOLUME	477944.286	3748495.702	451.30
LOCATION	L0001899	VOLUME	477944.728	3748487.329	451.03
LOCATION	L0001900	VOLUME	477948.744	3748479.837	451.00
LOCATION	L0001901	VOLUME	477952.760	3748472.346	451.00
LOCATION	L0001902	VOLUME	477956.776	3748464.855	451.00
LOCATION	L0001903	VOLUME	477960.792	3748457.363	451.00
LOCATION	L0001904	VOLUME	477964.809	3748449.872	451.00
LOCATION	L0001905	VOLUME	477968.825	3748442.381	451.00
LOCATION	L0001906	VOLUME	477972.841	3748434.889	451.00
LOCATION	L0001907	VOLUME	477976.857	3748427.398	451.00
LOCATION	L0001908	VOLUME	477980.874	3748419.907	451.00
LOCATION	L0001909	VOLUME	477984.890	3748412.415	451.00
LOCATION	L0001910	VOLUME	477988.906	3748404.924	451.00
LOCATION	L0001911	VOLUME	477992.922	3748397.433	451.00
LOCATION	L0001912	VOLUME	477996.939	3748389.941	451.00
LOCATION	L0001913	VOLUME	478000.955	3748382.450	451.00
LOCATION	L0001914	VOLUME	478004.971	3748374.959	451.00
LOCATION	L0001915	VOLUME	478008.987	3748367.468	451.00
LOCATION	L0001916	VOLUME	478013.004	3748359.976	451.00
LOCATION	L0001917	VOLUME	478017.122	3748352.545	451.00
LOCATION	L0001918	VOLUME	478021.740	3748345.409	451.00
LOCATION	L0001919	VOLUME	478026.357	3748338.273	451.00
LOCATION	L0001920	VOLUME	478033.820	3748336.434	451.00
LOCATION	L0001921	VOLUME	478042.319	3748336.526	451.00
LOCATION	L0001922	VOLUME	478050.819	3748336.619	451.00
LOCATION	L0001923	VOLUME	478059.318	3748336.711	451.00
LOCATION	L0001924	VOLUME	478067.818	3748336.803	451.00
LOCATION	L0001925	VOLUME	478076.317	3748336.896	451.00
LOCATION	L0001926	VOLUME	478084.817	3748336.988	451.00
LOCATION	L0001927	VOLUME	478093.316	3748337.080	451.00
LOCATION	L0001928	VOLUME	478101.816	3748337.173	451.00
LOCATION	L0001929	VOLUME	478110.315	3748337.265	451.00
LOCATION	L0001930	VOLUME	478118.815	3748337.358	451.00
LOCATION	L0001931	VOLUME	478127.314	3748337.450	451.00
LOCATION	L0001932	VOLUME	478135.814	3748337.542	451.00
LOCATION	L0001933	VOLUME	478144.313	3748337.635	451.00
LOCATION	L0001934	VOLUME	478152.813	3748337.727	451.00
LOCATION	L0001935	VOLUME	478161.312	3748337.820	451.00
LOCATION	L0001936	VOLUME	478169.812	3748337.912	451.00
LOCATION	L0001937	VOLUME	478178.311	3748338.004	451.00
LOCATION	L0001938	VOLUME	478186.811	3748338.097	451.00
LOCATION	L0001939	VOLUME	478195.310	3748338.189	451.00
LOCATION	L0001940	VOLUME	478203.810	3748338.282	451.00
LOCATION	L0001941	VOLUME	478212.309	3748338.374	451.00
LOCATION	L0001942	VOLUME	478215.837	3748343.420	451.00
LOCATION	L0001943	VOLUME	478215.897	3748351.920	451.00
LOCATION	L0001944	VOLUME	478215.958	3748360.419	451.00
LOCATION	L0001945	VOLUME	478216.018	3748368.919	451.00

AERMOD LSTs Operational Output

LOCATION L0001946	VOLUME	478216.079	3748377.419	451.00
LOCATION L0001947	VOLUME	478216.139	3748385.919	451.00
LOCATION L0001948	VOLUME	478216.200	3748394.419	451.00
LOCATION L0001949	VOLUME	478216.260	3748402.918	451.00
LOCATION L0001950	VOLUME	478216.321	3748411.418	451.00
LOCATION L0001951	VOLUME	478216.381	3748419.918	451.00
LOCATION L0001952	VOLUME	478216.442	3748428.418	451.00
LOCATION L0001953	VOLUME	478216.502	3748436.918	451.00
LOCATION L0001954	VOLUME	478216.563	3748445.417	451.00
LOCATION L0001955	VOLUME	478216.623	3748453.917	451.00
LOCATION L0001956	VOLUME	478216.683	3748462.417	451.04
LOCATION L0001957	VOLUME	478216.744	3748470.917	451.11
LOCATION L0001958	VOLUME	478216.804	3748479.416	451.18
LOCATION L0001959	VOLUME	478216.865	3748487.916	451.27
LOCATION L0001960	VOLUME	478216.925	3748496.416	451.49
LOCATION L0001961	VOLUME	478216.986	3748504.916	451.70
LOCATION L0001962	VOLUME	478217.046	3748513.416	451.92
LOCATION L0001963	VOLUME	478217.107	3748521.915	452.00
LOCATION L0001964	VOLUME	478217.167	3748530.415	452.00
LOCATION L0001965	VOLUME	478217.228	3748538.915	452.00
LOCATION L0001966	VOLUME	478217.288	3748547.415	452.00
LOCATION L0001967	VOLUME	478217.349	3748555.915	452.00
LOCATION L0001968	VOLUME	478217.409	3748564.414	452.00
LOCATION L0001969	VOLUME	478217.470	3748572.914	452.00
LOCATION L0001970	VOLUME	478217.530	3748581.414	452.00
LOCATION L0001971	VOLUME	478217.591	3748589.914	452.00
LOCATION L0001972	VOLUME	478217.651	3748598.413	452.00
LOCATION L0001973	VOLUME	478217.712	3748606.913	452.00
LOCATION L0001974	VOLUME	478217.772	3748615.413	452.00
LOCATION L0001975	VOLUME	478217.833	3748623.913	452.00
LOCATION L0001976	VOLUME	478217.893	3748632.413	452.00
LOCATION L0001977	VOLUME	478217.954	3748640.912	452.00
LOCATION L0001978	VOLUME	478218.014	3748649.412	452.00
LOCATION L0001979	VOLUME	478218.075	3748657.912	452.00
LOCATION L0001980	VOLUME	478218.135	3748666.412	452.00
LOCATION L0001981	VOLUME	478218.196	3748674.912	452.00
LOCATION L0001982	VOLUME	478218.256	3748683.411	452.00
LOCATION L0001983	VOLUME	478218.317	3748691.911	452.00
LOCATION L0001984	VOLUME	478218.377	3748700.411	452.00
LOCATION L0001985	VOLUME	478218.438	3748708.911	452.00
LOCATION L0001986	VOLUME	478218.498	3748717.410	452.00
LOCATION L0001987	VOLUME	478218.559	3748725.910	452.00
LOCATION L0001988	VOLUME	478218.619	3748734.410	452.00
LOCATION L0001989	VOLUME	478218.680	3748742.910	452.00
LOCATION L0001990	VOLUME	478218.740	3748751.410	452.00
LOCATION L0001991	VOLUME	478218.801	3748759.909	452.00
LOCATION L0001992	VOLUME	478218.861	3748768.409	452.00
LOCATION L0001993	VOLUME	478218.922	3748776.909	452.00

AERMOD LSTs Operational Output

LOCATION L0001994	VOLUME	478218.982	3748785.409	452.00
LOCATION L0001995	VOLUME	478219.043	3748793.908	452.25
LOCATION L0001996	VOLUME	478219.103	3748802.408	452.53
LOCATION L0001997	VOLUME	478219.164	3748810.908	452.81
LOCATION L0001998	VOLUME	478219.224	3748819.408	453.00
LOCATION L0001999	VOLUME	478219.285	3748827.908	453.00
LOCATION L0002000	VOLUME	478219.345	3748836.407	453.00
LOCATION L0002001	VOLUME	478219.405	3748844.907	453.00
LOCATION L0002002	VOLUME	478219.466	3748853.407	453.00
LOCATION L0002003	VOLUME	478219.526	3748861.907	453.00
LOCATION L0002004	VOLUME	478219.587	3748870.407	453.00
LOCATION L0002005	VOLUME	478219.647	3748878.906	453.00
LOCATION L0002006	VOLUME	478219.708	3748887.406	453.00
LOCATION L0002007	VOLUME	478219.768	3748895.906	453.00
LOCATION L0002008	VOLUME	478219.829	3748904.406	453.00
LOCATION L0002009	VOLUME	478219.889	3748912.905	453.00
LOCATION L0002010	VOLUME	478217.524	3748921.053	453.00
LOCATION L0002011	VOLUME	478215.049	3748929.185	453.00
LOCATION L0002012	VOLUME	478212.574	3748937.317	453.00
LOCATION L0002013	VOLUME	478210.099	3748945.448	453.00
LOCATION L0002014	VOLUME	478207.624	3748953.580	453.00
LOCATION L0002015	VOLUME	478205.149	3748961.712	453.00
LOCATION L0002016	VOLUME	478202.675	3748969.843	453.00

** End of LINE VOLUME Source ID = SLINE7

**

** Line Source Represented by Adjacent Volume Sources

** LINE VOLUME Source ID = SLINE8

** DESCRSRC On-Site Travel Building 2

** PREFIX

** Length of Side = 8.50

** Configuration = Adjacent

** Emission Rate = 0.003356

** Vertical Dimension = 4.00

** SZINIT = 1.86

** Nodes = 9

** 477852.753, 3748830.967, 453.00, 4.00, 3.95

** 477853.554, 3748979.688, 453.09, 4.00, 3.95

** 477742.747, 3748979.421, 454.00, 4.00, 3.95

** 477742.213, 3748884.901, 453.70, 4.00, 3.95

** 477754.762, 3748840.579, 453.84, 4.00, 3.95

** 477770.249, 3748826.695, 453.00, 4.00, 3.95

** 477798.284, 3748826.161, 453.00, 4.00, 3.95

** 477843.675, 3748825.894, 453.00, 4.00, 3.95

** 477853.554, 3748825.627, 453.00, 4.00, 3.95

**

LOCATION L0002017	VOLUME	477852.776	3748835.217	453.00
LOCATION L0002018	VOLUME	477852.822	3748843.717	453.00
LOCATION L0002019	VOLUME	477852.867	3748852.217	453.00

AERMOD LSTs Operational Output

LOCATION	L0002020	VOLUME	477852.913	3748860.717	453.00
LOCATION	L0002021	VOLUME	477852.959	3748869.216	453.00
LOCATION	L0002022	VOLUME	477853.005	3748877.716	453.00
LOCATION	L0002023	VOLUME	477853.051	3748886.216	453.00
LOCATION	L0002024	VOLUME	477853.096	3748894.716	453.00
LOCATION	L0002025	VOLUME	477853.142	3748903.216	453.00
LOCATION	L0002026	VOLUME	477853.188	3748911.716	453.00
LOCATION	L0002027	VOLUME	477853.234	3748920.216	453.00
LOCATION	L0002028	VOLUME	477853.279	3748928.716	453.00
LOCATION	L0002029	VOLUME	477853.325	3748937.215	453.00
LOCATION	L0002030	VOLUME	477853.371	3748945.715	453.00
LOCATION	L0002031	VOLUME	477853.417	3748954.215	453.00
LOCATION	L0002032	VOLUME	477853.463	3748962.715	453.00
LOCATION	L0002033	VOLUME	477853.508	3748971.215	453.16
LOCATION	L0002034	VOLUME	477853.527	3748979.688	453.44
LOCATION	L0002035	VOLUME	477845.027	3748979.667	453.53
LOCATION	L0002036	VOLUME	477836.527	3748979.647	453.69
LOCATION	L0002037	VOLUME	477828.027	3748979.626	453.85
LOCATION	L0002038	VOLUME	477819.527	3748979.606	454.00
LOCATION	L0002039	VOLUME	477811.027	3748979.586	454.00
LOCATION	L0002040	VOLUME	477802.527	3748979.565	454.00
LOCATION	L0002041	VOLUME	477794.027	3748979.545	454.00
LOCATION	L0002042	VOLUME	477785.527	3748979.524	454.00
LOCATION	L0002043	VOLUME	477777.027	3748979.504	454.00
LOCATION	L0002044	VOLUME	477768.527	3748979.483	454.00
LOCATION	L0002045	VOLUME	477760.027	3748979.463	454.00
LOCATION	L0002046	VOLUME	477751.527	3748979.442	454.00
LOCATION	L0002047	VOLUME	477743.027	3748979.422	454.00
LOCATION	L0002048	VOLUME	477742.701	3748971.202	454.00
LOCATION	L0002049	VOLUME	477742.653	3748962.702	454.00
LOCATION	L0002050	VOLUME	477742.605	3748954.202	454.00
LOCATION	L0002051	VOLUME	477742.557	3748945.702	454.00
LOCATION	L0002052	VOLUME	477742.508	3748937.202	454.00
LOCATION	L0002053	VOLUME	477742.460	3748928.702	453.89
LOCATION	L0002054	VOLUME	477742.412	3748920.202	453.77
LOCATION	L0002055	VOLUME	477742.364	3748911.703	453.65
LOCATION	L0002056	VOLUME	477742.316	3748903.203	453.58
LOCATION	L0002057	VOLUME	477742.268	3748894.703	453.58
LOCATION	L0002058	VOLUME	477742.220	3748886.203	453.59
LOCATION	L0002059	VOLUME	477744.174	3748877.975	453.52
LOCATION	L0002060	VOLUME	477746.490	3748869.797	453.57
LOCATION	L0002061	VOLUME	477748.805	3748861.618	453.68
LOCATION	L0002062	VOLUME	477751.121	3748853.440	453.84
LOCATION	L0002063	VOLUME	477753.436	3748845.261	453.96
LOCATION	L0002064	VOLUME	477757.468	3748838.153	453.72
LOCATION	L0002065	VOLUME	477763.797	3748832.479	453.46
LOCATION	L0002066	VOLUME	477770.126	3748826.806	453.22
LOCATION	L0002067	VOLUME	477778.582	3748826.536	453.12

AERMOD LSTs Operational Output

LOCATION L0002068	VOLUME	477787.080	3748826.374	453.03
LOCATION L0002069	VOLUME	477795.579	3748826.213	453.00
LOCATION L0002070	VOLUME	477804.078	3748826.127	453.00
LOCATION L0002071	VOLUME	477812.578	3748826.077	453.00
LOCATION L0002072	VOLUME	477821.078	3748826.027	453.00
LOCATION L0002073	VOLUME	477829.578	3748825.977	453.00
LOCATION L0002074	VOLUME	477838.078	3748825.927	453.00
LOCATION L0002075	VOLUME	477846.576	3748825.816	453.00

** End of LINE VOLUME Source ID = SLINE8

**

** Line Source Represented by Adjacent Volume Sources

** LINE VOLUME Source ID = SLINE9

** DESCRSRC On-Site Travel Building 3

** PREFIX

** Length of Side = 8.50

** Configuration = Adjacent

** Emission Rate = 0.002196

** Vertical Dimension = 4.00

** SZINIT = 1.86

** Nodes = 12

** 477886.740, 3748199.498, 450.00, 4.00, 3.95

** 477885.465, 3748255.245, 450.85, 4.00, 3.95

** 477886.421, 3748337.112, 451.00, 4.00, 3.95

** 477917.002, 3748339.979, 451.00, 4.00, 3.95

** 477941.530, 3748338.068, 451.00, 4.00, 3.95

** 477951.087, 3748325.007, 450.71, 4.00, 3.95

** 477974.978, 3748285.507, 450.00, 4.00, 3.95

** 477981.349, 3748257.156, 450.00, 4.00, 3.95

** 477978.164, 3748219.567, 450.00, 4.00, 3.95

** 477993.877, 3748210.463, 450.00, 4.00, 3.95

** 477994.148, 3748197.465, 450.00, 4.00, 3.95

** 477931.056, 3748197.465, 450.00, 4.00, 3.95

**

LOCATION L0002076	VOLUME	477886.643	3748203.747	450.00
LOCATION L0002077	VOLUME	477886.448	3748212.245	450.00
LOCATION L0002078	VOLUME	477886.254	3748220.742	450.12
LOCATION L0002079	VOLUME	477886.060	3748229.240	450.34
LOCATION L0002080	VOLUME	477885.865	3748237.738	450.57
LOCATION L0002081	VOLUME	477885.671	3748246.236	450.81
LOCATION L0002082	VOLUME	477885.477	3748254.734	450.87
LOCATION L0002083	VOLUME	477885.558	3748263.233	450.92
LOCATION L0002084	VOLUME	477885.658	3748271.732	450.97
LOCATION L0002085	VOLUME	477885.757	3748280.232	451.00
LOCATION L0002086	VOLUME	477885.856	3748288.731	451.00
LOCATION L0002087	VOLUME	477885.955	3748297.231	451.00
LOCATION L0002088	VOLUME	477886.055	3748305.730	451.00
LOCATION L0002089	VOLUME	477886.154	3748314.229	451.00
LOCATION L0002090	VOLUME	477886.253	3748322.729	451.00

AERMOD LSTs Operational Output

LOCATION L0002091	VOLUME	477886.352	3748331.228	451.00
LOCATION L0002092	VOLUME	477889.025	3748337.356	451.00
LOCATION L0002093	VOLUME	477897.488	3748338.150	451.00
LOCATION L0002094	VOLUME	477905.951	3748338.943	451.00
LOCATION L0002095	VOLUME	477914.414	3748339.736	451.00
LOCATION L0002096	VOLUME	477922.885	3748339.521	451.00
LOCATION L0002097	VOLUME	477931.359	3748338.860	451.00
LOCATION L0002098	VOLUME	477939.834	3748338.200	451.00
LOCATION L0002099	VOLUME	477945.545	3748332.582	451.00
LOCATION L0002100	VOLUME	477950.564	3748325.722	451.00
LOCATION L0002101	VOLUME	477955.028	3748318.492	450.00
LOCATION L0002102	VOLUME	477959.427	3748311.219	450.00
LOCATION L0002103	VOLUME	477963.826	3748303.945	450.00
LOCATION L0002104	VOLUME	477968.225	3748296.672	450.00
LOCATION L0002105	VOLUME	477972.624	3748289.399	450.00
LOCATION L0002106	VOLUME	477975.844	3748281.652	450.00
LOCATION L0002107	VOLUME	477977.708	3748273.359	450.00
LOCATION L0002108	VOLUME	477979.572	3748265.066	450.00
LOCATION L0002109	VOLUME	477981.316	3748256.764	450.00
LOCATION L0002110	VOLUME	477980.598	3748248.295	450.00
LOCATION L0002111	VOLUME	477979.880	3748239.825	450.00
LOCATION L0002112	VOLUME	477979.163	3748231.355	450.00
LOCATION L0002113	VOLUME	477978.445	3748222.886	450.00
LOCATION L0002114	VOLUME	477982.637	3748216.975	450.00
LOCATION L0002115	VOLUME	477989.992	3748212.714	450.00
LOCATION L0002116	VOLUME	477993.961	3748206.454	450.00
LOCATION L0002117	VOLUME	477994.138	3748197.956	450.00
LOCATION L0002118	VOLUME	477986.139	3748197.465	450.00
LOCATION L0002119	VOLUME	477977.639	3748197.465	450.00
LOCATION L0002120	VOLUME	477969.139	3748197.465	450.00
LOCATION L0002121	VOLUME	477960.639	3748197.465	450.00
LOCATION L0002122	VOLUME	477952.139	3748197.465	450.00
LOCATION L0002123	VOLUME	477943.639	3748197.465	450.00
LOCATION L0002124	VOLUME	477935.139	3748197.465	450.00

** End of LINE VOLUME Source ID = SLINE9

**

** Line Source Represented by Adjacent Volume Sources

** LINE VOLUME Source ID = SLINE10

** DESCRSRC On-Site Travel Building 4

** PREFIX

** Length of Side = 8.50

** Configuration = Adjacent

** Emission Rate = 0.003825

** Vertical Dimension = 4.00

** SZINIT = 1.86

** Nodes = 7

** 477500.822, 3748975.810, 454.06, 4.00, 3.95

** 477598.310, 3748973.915, 454.00, 4.00, 3.95

AERMOD LSTs Operational Output

** 477610.497, 3748965.249, 454.00, 4.00, 3.95
 ** 477618.891, 3748935.461, 454.00, 4.00, 3.95
 ** 477626.203, 3748899.986, 454.00, 4.00, 3.95
 ** 477627.557, 3748795.456, 454.00, 4.00, 3.95
 ** 477487.823, 3748799.247, 454.00, 4.00, 3.95

** -----
 LOCATION L0002125 VOLUME 477505.071 3748975.727 454.15
 LOCATION L0002126 VOLUME 477513.570 3748975.562 454.06
 LOCATION L0002127 VOLUME 477522.068 3748975.397 454.00
 LOCATION L0002128 VOLUME 477530.566 3748975.232 454.00
 LOCATION L0002129 VOLUME 477539.065 3748975.067 454.00
 LOCATION L0002130 VOLUME 477547.563 3748974.901 454.00
 LOCATION L0002131 VOLUME 477556.062 3748974.736 454.00
 LOCATION L0002132 VOLUME 477564.560 3748974.571 454.00
 LOCATION L0002133 VOLUME 477573.058 3748974.406 454.00
 LOCATION L0002134 VOLUME 477581.557 3748974.241 454.00
 LOCATION L0002135 VOLUME 477590.055 3748974.075 454.00
 LOCATION L0002136 VOLUME 477598.509 3748973.774 454.00
 LOCATION L0002137 VOLUME 477605.436 3748968.848 454.00
 LOCATION L0002138 VOLUME 477611.118 3748963.045 454.00
 LOCATION L0002139 VOLUME 477613.423 3748954.864 454.00
 LOCATION L0002140 VOLUME 477615.729 3748946.682 454.00
 LOCATION L0002141 VOLUME 477618.034 3748938.501 454.00
 LOCATION L0002142 VOLUME 477619.969 3748930.229 454.00
 LOCATION L0002143 VOLUME 477621.685 3748921.904 454.00
 LOCATION L0002144 VOLUME 477623.401 3748913.579 454.00
 LOCATION L0002145 VOLUME 477625.117 3748905.254 454.00
 LOCATION L0002146 VOLUME 477626.243 3748896.866 454.00
 LOCATION L0002147 VOLUME 477626.354 3748888.366 454.00
 LOCATION L0002148 VOLUME 477626.464 3748879.867 454.00
 LOCATION L0002149 VOLUME 477626.574 3748871.368 454.00
 LOCATION L0002150 VOLUME 477626.684 3748862.868 454.00
 LOCATION L0002151 VOLUME 477626.794 3748854.369 454.00
 LOCATION L0002152 VOLUME 477626.904 3748845.870 454.00
 LOCATION L0002153 VOLUME 477627.014 3748837.370 454.00
 LOCATION L0002154 VOLUME 477627.124 3748828.871 454.00
 LOCATION L0002155 VOLUME 477627.234 3748820.372 454.00
 LOCATION L0002156 VOLUME 477627.344 3748811.873 454.00
 LOCATION L0002157 VOLUME 477627.454 3748803.373 454.00
 LOCATION L0002158 VOLUME 477626.975 3748795.472 454.00
 LOCATION L0002159 VOLUME 477618.478 3748795.702 454.00
 LOCATION L0002160 VOLUME 477609.981 3748795.933 454.00
 LOCATION L0002161 VOLUME 477601.485 3748796.163 454.00
 LOCATION L0002162 VOLUME 477592.988 3748796.394 454.00
 LOCATION L0002163 VOLUME 477584.491 3748796.624 454.00
 LOCATION L0002164 VOLUME 477575.994 3748796.855 454.00
 LOCATION L0002165 VOLUME 477567.497 3748797.085 454.00
 LOCATION L0002166 VOLUME 477559.000 3748797.316 454.00

AERMOD LSTs Operational Output

LOCATION	L0002167	VOLUME	477550.503	3748797.546	454.00
LOCATION	L0002168	VOLUME	477542.006	3748797.777	454.00
LOCATION	L0002169	VOLUME	477533.510	3748798.008	454.00
LOCATION	L0002170	VOLUME	477525.013	3748798.238	454.00
LOCATION	L0002171	VOLUME	477516.516	3748798.469	454.00
LOCATION	L0002172	VOLUME	477508.019	3748798.699	454.00
LOCATION	L0002173	VOLUME	477499.522	3748798.930	454.00
LOCATION	L0002174	VOLUME	477491.025	3748799.160	454.00
**	End of LINE VOLUME Source ID = SLINE10				
LOCATION	AREA1	AREA	477895.770	3748485.620	451.990
**	DESCRSRC On-Site Equipment West of Building 1				
LOCATION	AREA2	AREA	478189.330	3748386.890	451.000
**	DESCRSRC On-Site Equipment East of Building 1				
LOCATION	AREA3	AREA	478027.410	3748303.650	450.000
**	DESCRSRC On-Site Equipment South of Building 1				
LOCATION	AREA4	AREA	477696.200	3748836.040	454.000
**	DESCRSRC On-Site Idling Building 2				
LOCATION	AREA5	AREA	477967.690	3748183.560	450.000
**	DESCRSRC On-Site Equipment Building 3				
LOCATION	AREA6	AREA	477599.310	3748788.100	454.000
**	DESCRSRC On-Site Equipment Building 4				
LOCATION	STCK1	POINT	478197.320	3748887.470	453.000
**	DESCRSRC Building 1				
LOCATION	STCK2	POINT	478195.108	3748735.565	452.000
**	DESCRSRC Building 1				
LOCATION	STCK3	POINT	478195.845	3748573.336	452.000
**	DESCRSRC Building 1				
LOCATION	STCK4	POINT	478198.057	3748428.068	451.000
**	DESCRSRC Building 1				
LOCATION	STCK5	POINT	477956.189	3748894.107	453.000
**	DESCRSRC Building 1				
LOCATION	STCK6	POINT	477962.088	3748741.464	453.000
**	DESCRSRC Building 1				
LOCATION	STCK7	POINT	477962.826	3748581.448	452.000
**	DESCRSRC Building 1				
LOCATION	STCK8	POINT	477964.301	3748509.920	451.780
**	DESCRSRC Building 1				
LOCATION	STCK9	POINT	478049.102	3748355.802	451.000
**	DESCRSRC Building 1				
LOCATION	STCK10	POINT	478153.076	3748357.277	451.000
**	DESCRSRC Building 1				
LOCATION	STCK11	POINT	477756.390	3748910.945	453.240
**	DESCRSRC Building 2				
LOCATION	STCK12	POINT	477975.834	3748266.902	450.000
**	DESCRSRC Building 3				
LOCATION	STCK13	POINT	477612.475	3748890.532	454.000
**	DESCRSRC Building 4				
**	-----				

AERMOD LSTs Operational Output

** Line Source Represented by Adjacent Volume Sources

** LINE VOLUME Source ID = SLINE11

** DESCRSRC PC On-Site Idling North of Building 1

** PREFIX

** Length of Side = 8.50

** Configuration = Adjacent

** Emission Rate = 0.009725

** Vertical Dimension = 3.00

** SZINIT = 1.40

** Nodes = 4

** 477922.477, 3748915.885, 453.00, 0.00, 3.95

** 477920.632, 3748955.547, 453.00, 0.00, 3.95

** 478225.010, 3748957.391, 453.00, 0.00, 3.95

** 478225.010, 3748921.419, 453.00, 0.00, 3.95

**

LOCATION	L0002175	VOLUME	477922.279	3748920.131	453.00
LOCATION	L0002176	VOLUME	477921.884	3748928.621	453.00
LOCATION	L0002177	VOLUME	477921.489	3748937.112	453.00
LOCATION	L0002178	VOLUME	477921.095	3748945.603	453.00
LOCATION	L0002179	VOLUME	477920.700	3748954.094	453.00
LOCATION	L0002180	VOLUME	477927.678	3748955.589	453.00
LOCATION	L0002181	VOLUME	477936.177	3748955.641	453.00
LOCATION	L0002182	VOLUME	477944.677	3748955.692	453.00
LOCATION	L0002183	VOLUME	477953.177	3748955.744	453.00
LOCATION	L0002184	VOLUME	477961.677	3748955.795	453.00
LOCATION	L0002185	VOLUME	477970.177	3748955.847	453.00
LOCATION	L0002186	VOLUME	477978.677	3748955.898	453.00
LOCATION	L0002187	VOLUME	477987.177	3748955.950	453.00
LOCATION	L0002188	VOLUME	477995.676	3748956.001	453.00
LOCATION	L0002189	VOLUME	478004.176	3748956.053	453.00
LOCATION	L0002190	VOLUME	478012.676	3748956.104	453.00
LOCATION	L0002191	VOLUME	478021.176	3748956.156	453.00
LOCATION	L0002192	VOLUME	478029.676	3748956.208	453.00
LOCATION	L0002193	VOLUME	478038.176	3748956.259	453.00
LOCATION	L0002194	VOLUME	478046.675	3748956.311	453.00
LOCATION	L0002195	VOLUME	478055.175	3748956.362	453.00
LOCATION	L0002196	VOLUME	478063.675	3748956.414	453.00
LOCATION	L0002197	VOLUME	478072.175	3748956.465	453.00
LOCATION	L0002198	VOLUME	478080.675	3748956.517	453.00
LOCATION	L0002199	VOLUME	478089.175	3748956.568	453.00
LOCATION	L0002200	VOLUME	478097.675	3748956.620	453.00
LOCATION	L0002201	VOLUME	478106.174	3748956.671	453.00
LOCATION	L0002202	VOLUME	478114.674	3748956.723	453.00
LOCATION	L0002203	VOLUME	478123.174	3748956.774	453.00
LOCATION	L0002204	VOLUME	478131.674	3748956.826	453.00
LOCATION	L0002205	VOLUME	478140.174	3748956.877	453.00
LOCATION	L0002206	VOLUME	478148.674	3748956.929	453.00
LOCATION	L0002207	VOLUME	478157.173	3748956.980	453.00

AERMOD LSTs Operational Output

LOCATION L0002208	VOLUME	478165.673	3748957.032	453.00
LOCATION L0002209	VOLUME	478174.173	3748957.083	453.00
LOCATION L0002210	VOLUME	478182.673	3748957.135	453.00
LOCATION L0002211	VOLUME	478191.173	3748957.186	453.00
LOCATION L0002212	VOLUME	478199.673	3748957.238	453.00
LOCATION L0002213	VOLUME	478208.172	3748957.289	453.00
LOCATION L0002214	VOLUME	478216.672	3748957.341	453.00
LOCATION L0002215	VOLUME	478225.010	3748957.229	453.00
LOCATION L0002216	VOLUME	478225.010	3748948.729	453.00
LOCATION L0002217	VOLUME	478225.010	3748940.229	453.00
LOCATION L0002218	VOLUME	478225.010	3748931.729	453.00
LOCATION L0002219	VOLUME	478225.010	3748923.229	453.00

** End of LINE VOLUME Source ID = SLINE11

**

** Line Source Represented by Adjacent Volume Sources

** LINE VOLUME Source ID = SLINE16

** DESCRSRC PC On-Site Travel North of Building 1

** PREFIX

** Length of Side = 8.50

** Configuration = Adjacent

** Emission Rate = 0.003675

** Vertical Dimension = 3.00

** SZINIT = 1.40

** Nodes = 4

** 477922.477, 3748915.885, 453.00, 0.00, 3.95

** 477920.632, 3748955.547, 453.00, 0.00, 3.95

** 478225.010, 3748957.391, 453.00, 0.00, 3.95

** 478225.010, 3748921.419, 453.00, 0.00, 3.95

**

LOCATION L0002220	VOLUME	477922.279	3748920.131	453.00
LOCATION L0002221	VOLUME	477921.884	3748928.621	453.00
LOCATION L0002222	VOLUME	477921.489	3748937.112	453.00
LOCATION L0002223	VOLUME	477921.095	3748945.603	453.00
LOCATION L0002224	VOLUME	477920.700	3748954.094	453.00
LOCATION L0002225	VOLUME	477927.678	3748955.589	453.00
LOCATION L0002226	VOLUME	477936.177	3748955.641	453.00
LOCATION L0002227	VOLUME	477944.677	3748955.692	453.00
LOCATION L0002228	VOLUME	477953.177	3748955.744	453.00
LOCATION L0002229	VOLUME	477961.677	3748955.795	453.00
LOCATION L0002230	VOLUME	477970.177	3748955.847	453.00
LOCATION L0002231	VOLUME	477978.677	3748955.898	453.00
LOCATION L0002232	VOLUME	477987.177	3748955.950	453.00
LOCATION L0002233	VOLUME	477995.676	3748956.001	453.00
LOCATION L0002234	VOLUME	478004.176	3748956.053	453.00
LOCATION L0002235	VOLUME	478012.676	3748956.104	453.00
LOCATION L0002236	VOLUME	478021.176	3748956.156	453.00
LOCATION L0002237	VOLUME	478029.676	3748956.208	453.00
LOCATION L0002238	VOLUME	478038.176	3748956.259	453.00

AERMOD LSTs Operational Output

LOCATION L0002239	VOLUME	478046.675	3748956.311	453.00
LOCATION L0002240	VOLUME	478055.175	3748956.362	453.00
LOCATION L0002241	VOLUME	478063.675	3748956.414	453.00
LOCATION L0002242	VOLUME	478072.175	3748956.465	453.00
LOCATION L0002243	VOLUME	478080.675	3748956.517	453.00
LOCATION L0002244	VOLUME	478089.175	3748956.568	453.00
LOCATION L0002245	VOLUME	478097.675	3748956.620	453.00
LOCATION L0002246	VOLUME	478106.174	3748956.671	453.00
LOCATION L0002247	VOLUME	478114.674	3748956.723	453.00
LOCATION L0002248	VOLUME	478123.174	3748956.774	453.00
LOCATION L0002249	VOLUME	478131.674	3748956.826	453.00
LOCATION L0002250	VOLUME	478140.174	3748956.877	453.00
LOCATION L0002251	VOLUME	478148.674	3748956.929	453.00
LOCATION L0002252	VOLUME	478157.173	3748956.980	453.00
LOCATION L0002253	VOLUME	478165.673	3748957.032	453.00
LOCATION L0002254	VOLUME	478174.173	3748957.083	453.00
LOCATION L0002255	VOLUME	478182.673	3748957.135	453.00
LOCATION L0002256	VOLUME	478191.173	3748957.186	453.00
LOCATION L0002257	VOLUME	478199.673	3748957.238	453.00
LOCATION L0002258	VOLUME	478208.172	3748957.289	453.00
LOCATION L0002259	VOLUME	478216.672	3748957.341	453.00
LOCATION L0002260	VOLUME	478225.010	3748957.229	453.00
LOCATION L0002261	VOLUME	478225.010	3748948.729	453.00
LOCATION L0002262	VOLUME	478225.010	3748940.229	453.00
LOCATION L0002263	VOLUME	478225.010	3748931.729	453.00
LOCATION L0002264	VOLUME	478225.010	3748923.229	453.00

** End of LINE VOLUME Source ID = SLINE16

**

** Line Source Represented by Adjacent Volume Sources

** LINE VOLUME Source ID = SLINE12

** DESCRSRC PC On-Site Idling South of Building 1

** PREFIX

** Length of Side = 8.50

** Configuration = Adjacent

** Emission Rate = 0.009725

** Vertical Dimension = 3.00

** SZINIT = 1.40

** Nodes = 3

** 478173.194, 3748323.551, 450.64, 0.00, 3.95

** 478236.637, 3748321.285, 450.51, 0.00, 3.95

** 478232.672, 3748396.624, 451.00, 0.00, 3.95

**

LOCATION L0002265	VOLUME	478177.441	3748323.399	450.00
LOCATION L0002266	VOLUME	478185.936	3748323.096	450.00
LOCATION L0002267	VOLUME	478194.430	3748322.792	450.00
LOCATION L0002268	VOLUME	478202.925	3748322.489	450.00
LOCATION L0002269	VOLUME	478211.420	3748322.186	450.00
LOCATION L0002270	VOLUME	478219.914	3748321.882	450.00

AERMOD LSTs Operational Output

LOCATION L0002271	VOLUME	478228.409	3748321.579	450.00
LOCATION L0002272	VOLUME	478236.623	3748321.551	450.00
LOCATION L0002273	VOLUME	478236.177	3748330.039	451.00
LOCATION L0002274	VOLUME	478235.730	3748338.527	451.00
LOCATION L0002275	VOLUME	478235.283	3748347.015	451.00
LOCATION L0002276	VOLUME	478234.836	3748355.504	451.00
LOCATION L0002277	VOLUME	478234.390	3748363.992	451.00
LOCATION L0002278	VOLUME	478233.943	3748372.480	451.00
LOCATION L0002279	VOLUME	478233.496	3748380.968	451.00
LOCATION L0002280	VOLUME	478233.049	3748389.457	451.00

** End of LINE VOLUME Source ID = SLINE12

**

** Line Source Represented by Adjacent Volume Sources

** LINE VOLUME Source ID = SLINE17

** DESCRSRC PC On-Site Travel South of Building 1

** PREFIX

** Length of Side = 8.50

** Configuration = Adjacent

** Emission Rate = 0.001343

** Vertical Dimension = 3.00

** SZINIT = 1.40

** Nodes = 3

** 478173.194, 3748323.551, 450.64, 0.00, 3.95

** 478236.637, 3748321.285, 450.51, 0.00, 3.95

** 478232.672, 3748396.624, 451.00, 0.00, 3.95

**

LOCATION L0002281	VOLUME	478177.441	3748323.399	450.00
LOCATION L0002282	VOLUME	478185.936	3748323.096	450.00
LOCATION L0002283	VOLUME	478194.430	3748322.792	450.00
LOCATION L0002284	VOLUME	478202.925	3748322.489	450.00
LOCATION L0002285	VOLUME	478211.420	3748322.186	450.00
LOCATION L0002286	VOLUME	478219.914	3748321.882	450.00
LOCATION L0002287	VOLUME	478228.409	3748321.579	450.00
LOCATION L0002288	VOLUME	478236.623	3748321.551	450.00
LOCATION L0002289	VOLUME	478236.177	3748330.039	451.00
LOCATION L0002290	VOLUME	478235.730	3748338.527	451.00
LOCATION L0002291	VOLUME	478235.283	3748347.015	451.00
LOCATION L0002292	VOLUME	478234.836	3748355.504	451.00
LOCATION L0002293	VOLUME	478234.390	3748363.992	451.00
LOCATION L0002294	VOLUME	478233.943	3748372.480	451.00
LOCATION L0002295	VOLUME	478233.496	3748380.968	451.00
LOCATION L0002296	VOLUME	478233.049	3748389.457	451.00

** End of LINE VOLUME Source ID = SLINE17

**

** Line Source Represented by Adjacent Volume Sources

** LINE VOLUME Source ID = SLINE13

** DESCRSRC PC On-Site Idling Building 2

** PREFIX

AERMOD LSTs Operational Output

** Length of Side = 8.50
 ** Configuration = Adjacent
 ** Emission Rate = 0.009282
 ** Vertical Dimension = 3.00
 ** SZINIT = 1.40
 ** Nodes = 3
 ** 477739.701, 3748980.644, 454.00, 0.00, 3.95
 ** 477854.046, 3748981.626, 453.54, 0.00, 3.95
 ** 477852.573, 3748835.382, 453.00, 0.00, 3.95

** -----
 LOCATION L0001660 VOLUME 477743.951 3748980.681 454.00
 LOCATION L0001661 VOLUME 477752.450 3748980.754 454.00
 LOCATION L0001662 VOLUME 477760.950 3748980.827 454.00
 LOCATION L0001663 VOLUME 477769.450 3748980.900 454.00
 LOCATION L0001664 VOLUME 477777.949 3748980.973 454.00
 LOCATION L0001665 VOLUME 477786.449 3748981.046 454.00
 LOCATION L0001666 VOLUME 477794.949 3748981.119 454.00
 LOCATION L0001667 VOLUME 477803.448 3748981.192 454.00
 LOCATION L0001668 VOLUME 477811.948 3748981.264 454.00
 LOCATION L0001669 VOLUME 477820.448 3748981.337 453.99
 LOCATION L0001670 VOLUME 477828.947 3748981.410 453.85
 LOCATION L0001671 VOLUME 477837.447 3748981.483 453.70
 LOCATION L0001672 VOLUME 477845.947 3748981.556 453.56
 LOCATION L0001673 VOLUME 477854.042 3748981.225 453.49
 LOCATION L0001674 VOLUME 477853.956 3748972.725 453.21
 LOCATION L0001675 VOLUME 477853.871 3748964.226 453.00
 LOCATION L0001676 VOLUME 477853.785 3748955.726 453.00
 LOCATION L0001677 VOLUME 477853.699 3748947.227 453.00
 LOCATION L0001678 VOLUME 477853.614 3748938.727 453.00
 LOCATION L0001679 VOLUME 477853.528 3748930.228 453.00
 LOCATION L0001680 VOLUME 477853.443 3748921.728 453.00
 LOCATION L0001681 VOLUME 477853.357 3748913.228 453.00
 LOCATION L0001682 VOLUME 477853.272 3748904.729 453.00
 LOCATION L0001683 VOLUME 477853.186 3748896.229 453.00
 LOCATION L0001684 VOLUME 477853.100 3748887.730 453.00
 LOCATION L0001685 VOLUME 477853.015 3748879.230 453.00
 LOCATION L0001686 VOLUME 477852.929 3748870.731 453.00
 LOCATION L0001687 VOLUME 477852.844 3748862.231 453.00
 LOCATION L0001688 VOLUME 477852.758 3748853.732 453.00
 LOCATION L0001689 VOLUME 477852.673 3748845.232 453.00
 LOCATION L0001690 VOLUME 477852.587 3748836.732 453.00

** End of LINE VOLUME Source ID = SLINE13

** -----
 ** Line Source Represented by Adjacent Volume Sources
 ** LINE VOLUME Source ID = SLINE18
 ** DESCRSRC PC On-Site Travel Building 2
 ** PREFIX
 ** Length of Side = 8.50

AERMOD LSTs Operational Output

** Configuration = Adjacent
 ** Emission Rate = 0.002405
 ** Vertical Dimension = 3.00
 ** SZINIT = 1.40
 ** Nodes = 3
 ** 477739.701, 3748980.644, 454.00, 0.00, 3.95
 ** 477854.046, 3748981.626, 453.54, 0.00, 3.95
 ** 477852.573, 3748835.382, 453.00, 0.00, 3.95

** -----

LOCATION L0001691	VOLUME	477743.951	3748980.681	454.00
LOCATION L0001692	VOLUME	477752.450	3748980.754	454.00
LOCATION L0001693	VOLUME	477760.950	3748980.827	454.00
LOCATION L0001694	VOLUME	477769.450	3748980.900	454.00
LOCATION L0001695	VOLUME	477777.949	3748980.973	454.00
LOCATION L0001696	VOLUME	477786.449	3748981.046	454.00
LOCATION L0001697	VOLUME	477794.949	3748981.119	454.00
LOCATION L0001698	VOLUME	477803.448	3748981.192	454.00
LOCATION L0001699	VOLUME	477811.948	3748981.264	454.00
LOCATION L0001700	VOLUME	477820.448	3748981.337	453.99
LOCATION L0001701	VOLUME	477828.947	3748981.410	453.85
LOCATION L0001702	VOLUME	477837.447	3748981.483	453.70
LOCATION L0001703	VOLUME	477845.947	3748981.556	453.56
LOCATION L0001704	VOLUME	477854.042	3748981.225	453.49
LOCATION L0001705	VOLUME	477853.956	3748972.725	453.21
LOCATION L0001706	VOLUME	477853.871	3748964.226	453.00
LOCATION L0001707	VOLUME	477853.785	3748955.726	453.00
LOCATION L0001708	VOLUME	477853.699	3748947.227	453.00
LOCATION L0001709	VOLUME	477853.614	3748938.727	453.00
LOCATION L0001710	VOLUME	477853.528	3748930.228	453.00
LOCATION L0001711	VOLUME	477853.443	3748921.728	453.00
LOCATION L0001712	VOLUME	477853.357	3748913.228	453.00
LOCATION L0001713	VOLUME	477853.272	3748904.729	453.00
LOCATION L0001714	VOLUME	477853.186	3748896.229	453.00
LOCATION L0001715	VOLUME	477853.100	3748887.730	453.00
LOCATION L0001716	VOLUME	477853.015	3748879.230	453.00
LOCATION L0001717	VOLUME	477852.929	3748870.731	453.00
LOCATION L0001718	VOLUME	477852.844	3748862.231	453.00
LOCATION L0001719	VOLUME	477852.758	3748853.732	453.00
LOCATION L0001720	VOLUME	477852.673	3748845.232	453.00
LOCATION L0001721	VOLUME	477852.587	3748836.732	453.00

** End of LINE VOLUME Source ID = SLINE18

** -----

** Line Source Represented by Adjacent Volume Sources
 ** LINE VOLUME Source ID = SLINE14
 ** DESCRSRC PC On-Site Idling Building 3
 ** PREFIX
 ** Length of Side = 8.50
 ** Configuration = Adjacent

AERMOD LSTs Operational Output

```

** Emission Rate = 0.007373
** Vertical Dimension = 3.00
** SZINIT = 1.40
** Nodes = 2
** 477930.162, 3748197.793, 450.00, 0.00, 3.95
** 477994.466, 3748197.281, 450.00, 0.00, 3.95
** -----
LOCATION L0001722    VOLUME    477934.412  3748197.759  450.00
LOCATION L0001723    VOLUME    477942.912  3748197.691  450.00
LOCATION L0001724    VOLUME    477951.412  3748197.624  450.00
LOCATION L0001725    VOLUME    477959.911  3748197.556  450.00
LOCATION L0001726    VOLUME    477968.411  3748197.488  450.00
LOCATION L0001727    VOLUME    477976.911  3748197.420  450.00
LOCATION L0001728    VOLUME    477985.410  3748197.353  450.00
LOCATION L0001729    VOLUME    477993.910  3748197.285  450.00
** End of LINE VOLUME Source ID = SLINE14
** -----
** Line Source Represented by Adjacent Volume Sources
** LINE VOLUME Source ID = SLINE19
** DESCRSRC PC On-Site Travel Building 3
** PREFIX
** Length of Side = 8.50
** Configuration = Adjacent
** Emission Rate = 0.0004713
** Vertical Dimension = 3.00
** SZINIT = 1.40
** Nodes = 2
** 477930.162, 3748197.793, 450.00, 0.00, 3.95
** 477994.466, 3748197.281, 450.00, 0.00, 3.95
** -----
LOCATION L0002297    VOLUME    477934.412  3748197.759  450.00
LOCATION L0002298    VOLUME    477942.912  3748197.691  450.00
LOCATION L0002299    VOLUME    477951.412  3748197.624  450.00
LOCATION L0002300    VOLUME    477959.911  3748197.556  450.00
LOCATION L0002301    VOLUME    477968.411  3748197.488  450.00
LOCATION L0002302    VOLUME    477976.911  3748197.420  450.00
LOCATION L0002303    VOLUME    477985.410  3748197.353  450.00
LOCATION L0002304    VOLUME    477993.910  3748197.285  450.00
** End of LINE VOLUME Source ID = SLINE19
** -----
** Line Source Represented by Adjacent Volume Sources
** LINE VOLUME Source ID = SLINE15
** DESCRSRC PC On-Site Idling Building 4
** PREFIX
** Length of Side = 8.50
** Configuration = Adjacent
** Emission Rate = 0.01257
** Vertical Dimension = 3.00

```

AERMOD LSTs Operational Output

** SZINIT = 1.40

** Nodes = 2

** 477495.204, 3748976.528, 454.06, 0.00, 3.95

** 477601.235, 3748974.046, 454.00, 0.00, 3.95

**

LOCATION L0001738	VOLUME	477499.453	3748976.429	454.22
LOCATION L0001739	VOLUME	477507.950	3748976.230	454.13
LOCATION L0001740	VOLUME	477516.448	3748976.031	454.04
LOCATION L0001741	VOLUME	477524.946	3748975.832	454.00
LOCATION L0001742	VOLUME	477533.443	3748975.633	454.00
LOCATION L0001743	VOLUME	477541.941	3748975.434	454.00
LOCATION L0001744	VOLUME	477550.439	3748975.235	454.00
LOCATION L0001745	VOLUME	477558.936	3748975.036	454.00
LOCATION L0001746	VOLUME	477567.434	3748974.837	454.00
LOCATION L0001747	VOLUME	477575.932	3748974.638	454.00
LOCATION L0001748	VOLUME	477584.429	3748974.439	454.00
LOCATION L0001749	VOLUME	477592.927	3748974.241	454.00

** End of LINE VOLUME Source ID = SLINE15

**

** Line Source Represented by Adjacent Volume Sources

** LINE VOLUME Source ID = SLINE20

** DESCRSRC PC On-Site Travel Building 4

** PREFIX

** Length of Side = 8.50

** Configuration = Adjacent

** Emission Rate = 0.001326

** Vertical Dimension = 3.00

** SZINIT = 1.40

** Nodes = 2

** 477495.204, 3748976.528, 454.06, 0.00, 3.95

** 477601.235, 3748974.046, 454.00, 0.00, 3.95

**

LOCATION L0002305	VOLUME	477499.453	3748976.429	454.22
LOCATION L0002306	VOLUME	477507.950	3748976.230	454.13
LOCATION L0002307	VOLUME	477516.448	3748976.031	454.04
LOCATION L0002308	VOLUME	477524.946	3748975.832	454.00
LOCATION L0002309	VOLUME	477533.443	3748975.633	454.00
LOCATION L0002310	VOLUME	477541.941	3748975.434	454.00
LOCATION L0002311	VOLUME	477550.439	3748975.235	454.00
LOCATION L0002312	VOLUME	477558.936	3748975.036	454.00
LOCATION L0002313	VOLUME	477567.434	3748974.837	454.00
LOCATION L0002314	VOLUME	477575.932	3748974.638	454.00
LOCATION L0002315	VOLUME	477584.429	3748974.439	454.00
LOCATION L0002316	VOLUME	477592.927	3748974.241	454.00

** End of LINE VOLUME Source ID = SLINE20

** Source Parameters **

** LINE VOLUME Source ID = SLINE1

SRCPARAM L0001762	0.0008635294	4.00	13.95	1.86

AERMOD LSTs Operational Output

SRCPARAM	L0001763	0.0008635294	4.00	13.95	1.86
SRCPARAM	L0001764	0.0008635294	4.00	13.95	1.86
SRCPARAM	L0001765	0.0008635294	4.00	13.95	1.86
SRCPARAM	L0001766	0.0008635294	4.00	13.95	1.86
SRCPARAM	L0001767	0.0008635294	4.00	13.95	1.86
SRCPARAM	L0001768	0.0008635294	4.00	13.95	1.86
SRCPARAM	L0001769	0.0008635294	4.00	13.95	1.86
SRCPARAM	L0001770	0.0008635294	4.00	13.95	1.86
SRCPARAM	L0001771	0.0008635294	4.00	13.95	1.86
SRCPARAM	L0001772	0.0008635294	4.00	13.95	1.86
SRCPARAM	L0001773	0.0008635294	4.00	13.95	1.86
SRCPARAM	L0001774	0.0008635294	4.00	13.95	1.86
SRCPARAM	L0001775	0.0008635294	4.00	13.95	1.86
SRCPARAM	L0001776	0.0008635294	4.00	13.95	1.86
SRCPARAM	L0001777	0.0008635294	4.00	13.95	1.86
SRCPARAM	L0001778	0.0008635294	4.00	13.95	1.86

**

** LINE VOLUME Source ID = SLINE3

SRCPARAM	L0001779	0.000895	4.00	13.95	1.86
SRCPARAM	L0001780	0.000895	4.00	13.95	1.86
SRCPARAM	L0001781	0.000895	4.00	13.95	1.86
SRCPARAM	L0001782	0.000895	4.00	13.95	1.86
SRCPARAM	L0001783	0.000895	4.00	13.95	1.86
SRCPARAM	L0001784	0.000895	4.00	13.95	1.86
SRCPARAM	L0001785	0.000895	4.00	13.95	1.86
SRCPARAM	L0001786	0.000895	4.00	13.95	1.86
SRCPARAM	L0001787	0.000895	4.00	13.95	1.86
SRCPARAM	L0001788	0.000895	4.00	13.95	1.86
SRCPARAM	L0001789	0.000895	4.00	13.95	1.86
SRCPARAM	L0001790	0.000895	4.00	13.95	1.86
SRCPARAM	L0001791	0.000895	4.00	13.95	1.86
SRCPARAM	L0001792	0.000895	4.00	13.95	1.86

**

** LINE VOLUME Source ID = SLINE4

SRCPARAM	L0001793	0.000825375	4.00	3.95	1.86
SRCPARAM	L0001794	0.000825375	4.00	3.95	1.86
SRCPARAM	L0001795	0.000825375	4.00	3.95	1.86
SRCPARAM	L0001796	0.000825375	4.00	3.95	1.86
SRCPARAM	L0001797	0.000825375	4.00	3.95	1.86
SRCPARAM	L0001798	0.000825375	4.00	3.95	1.86
SRCPARAM	L0001799	0.000825375	4.00	3.95	1.86
SRCPARAM	L0001800	0.000825375	4.00	3.95	1.86

**

** LINE VOLUME Source ID = SLINE5

SRCPARAM	L0001801	0.0002491429	4.00	3.95	1.86
SRCPARAM	L0001802	0.0002491429	4.00	3.95	1.86
SRCPARAM	L0001803	0.0002491429	4.00	3.95	1.86
SRCPARAM	L0001804	0.0002491429	4.00	3.95	1.86

AERMOD LSTs Operational Output

SRCPARAM	L0001805	0.0002491429	4.00	3.95	1.86
SRCPARAM	L0001806	0.0002491429	4.00	3.95	1.86
SRCPARAM	L0001807	0.0002491429	4.00	3.95	1.86
SRCPARAM	L0001808	0.0002491429	4.00	3.95	1.86
SRCPARAM	L0001809	0.0002491429	4.00	3.95	1.86
SRCPARAM	L0001810	0.0002491429	4.00	3.95	1.86
SRCPARAM	L0001811	0.0002491429	4.00	3.95	1.86
SRCPARAM	L0001812	0.0002491429	4.00	3.95	1.86
SRCPARAM	L0001813	0.0002491429	4.00	3.95	1.86
SRCPARAM	L0001814	0.0002491429	4.00	3.95	1.86
SRCPARAM	L0001815	0.0002491429	4.00	3.95	1.86
SRCPARAM	L0001816	0.0002491429	4.00	3.95	1.86
SRCPARAM	L0001817	0.0002491429	4.00	3.95	1.86
SRCPARAM	L0001818	0.0002491429	4.00	3.95	1.86
SRCPARAM	L0001819	0.0002491429	4.00	3.95	1.86
SRCPARAM	L0001820	0.0002491429	4.00	3.95	1.86
SRCPARAM	L0001821	0.0002491429	4.00	3.95	1.86

**

** LINE VOLUME Source ID = SLINE6

SRCPARAM	L0001822	0.0005965333	0.00	3.95	1.86
SRCPARAM	L0001823	0.0005965333	0.00	3.95	1.86
SRCPARAM	L0001824	0.0005965333	0.00	3.95	1.86
SRCPARAM	L0001825	0.0005965333	0.00	3.95	1.86
SRCPARAM	L0001826	0.0005965333	0.00	3.95	1.86
SRCPARAM	L0001827	0.0005965333	0.00	3.95	1.86
SRCPARAM	L0001828	0.0005965333	0.00	3.95	1.86
SRCPARAM	L0001829	0.0005965333	0.00	3.95	1.86
SRCPARAM	L0001830	0.0005965333	0.00	3.95	1.86
SRCPARAM	L0001831	0.0005965333	0.00	3.95	1.86
SRCPARAM	L0001832	0.0005965333	0.00	3.95	1.86
SRCPARAM	L0001833	0.0005965333	0.00	3.95	1.86
SRCPARAM	L0001834	0.0005965333	0.00	3.95	1.86
SRCPARAM	L0001835	0.0005965333	0.00	3.95	1.86
SRCPARAM	L0001836	0.0005965333	0.00	3.95	1.86

**

** LINE VOLUME Source ID = SLINE2

SRCPARAM	L0001837	0.0008082	0.00	13.95	1.86
SRCPARAM	L0001838	0.0008082	0.00	13.95	1.86
SRCPARAM	L0001839	0.0008082	0.00	13.95	1.86
SRCPARAM	L0001840	0.0008082	0.00	13.95	1.86
SRCPARAM	L0001841	0.0008082	0.00	13.95	1.86

**

** LINE VOLUME Source ID = SLINE7

SRCPARAM	L0001842	0.0002670857	4.00	3.95	1.86
SRCPARAM	L0001843	0.0002670857	4.00	3.95	1.86
SRCPARAM	L0001844	0.0002670857	4.00	3.95	1.86
SRCPARAM	L0001845	0.0002670857	4.00	3.95	1.86
SRCPARAM	L0001846	0.0002670857	4.00	3.95	1.86

AERMOD LSTs Operational Output

SRCPARAM	L0001847	0.0002670857	4.00	3.95	1.86
SRCPARAM	L0001848	0.0002670857	4.00	3.95	1.86
SRCPARAM	L0001849	0.0002670857	4.00	3.95	1.86
SRCPARAM	L0001850	0.0002670857	4.00	3.95	1.86
SRCPARAM	L0001851	0.0002670857	4.00	3.95	1.86
SRCPARAM	L0001852	0.0002670857	4.00	3.95	1.86
SRCPARAM	L0001853	0.0002670857	4.00	3.95	1.86
SRCPARAM	L0001854	0.0002670857	4.00	3.95	1.86
SRCPARAM	L0001855	0.0002670857	4.00	3.95	1.86
SRCPARAM	L0001856	0.0002670857	4.00	3.95	1.86
SRCPARAM	L0001857	0.0002670857	4.00	3.95	1.86
SRCPARAM	L0001858	0.0002670857	4.00	3.95	1.86
SRCPARAM	L0001859	0.0002670857	4.00	3.95	1.86
SRCPARAM	L0001860	0.0002670857	4.00	3.95	1.86
SRCPARAM	L0001861	0.0002670857	4.00	3.95	1.86
SRCPARAM	L0001862	0.0002670857	4.00	3.95	1.86
SRCPARAM	L0001863	0.0002670857	4.00	3.95	1.86
SRCPARAM	L0001864	0.0002670857	4.00	3.95	1.86
SRCPARAM	L0001865	0.0002670857	4.00	3.95	1.86
SRCPARAM	L0001866	0.0002670857	4.00	3.95	1.86
SRCPARAM	L0001867	0.0002670857	4.00	3.95	1.86
SRCPARAM	L0001868	0.0002670857	4.00	3.95	1.86
SRCPARAM	L0001869	0.0002670857	4.00	3.95	1.86
SRCPARAM	L0001870	0.0002670857	4.00	3.95	1.86
SRCPARAM	L0001871	0.0002670857	4.00	3.95	1.86
SRCPARAM	L0001872	0.0002670857	4.00	3.95	1.86
SRCPARAM	L0001873	0.0002670857	4.00	3.95	1.86
SRCPARAM	L0001874	0.0002670857	4.00	3.95	1.86
SRCPARAM	L0001875	0.0002670857	4.00	3.95	1.86
SRCPARAM	L0001876	0.0002670857	4.00	3.95	1.86
SRCPARAM	L0001877	0.0002670857	4.00	3.95	1.86
SRCPARAM	L0001878	0.0002670857	4.00	3.95	1.86
SRCPARAM	L0001879	0.0002670857	4.00	3.95	1.86
SRCPARAM	L0001880	0.0002670857	4.00	3.95	1.86
SRCPARAM	L0001881	0.0002670857	4.00	3.95	1.86
SRCPARAM	L0001882	0.0002670857	4.00	3.95	1.86
SRCPARAM	L0001883	0.0002670857	4.00	3.95	1.86
SRCPARAM	L0001884	0.0002670857	4.00	3.95	1.86
SRCPARAM	L0001885	0.0002670857	4.00	3.95	1.86
SRCPARAM	L0001886	0.0002670857	4.00	3.95	1.86
SRCPARAM	L0001887	0.0002670857	4.00	3.95	1.86
SRCPARAM	L0001888	0.0002670857	4.00	3.95	1.86
SRCPARAM	L0001889	0.0002670857	4.00	3.95	1.86
SRCPARAM	L0001890	0.0002670857	4.00	3.95	1.86
SRCPARAM	L0001891	0.0002670857	4.00	3.95	1.86
SRCPARAM	L0001892	0.0002670857	4.00	3.95	1.86
SRCPARAM	L0001893	0.0002670857	4.00	3.95	1.86
SRCPARAM	L0001894	0.0002670857	4.00	3.95	1.86

AERMOD LSTs Operational Output

SRCPARAM L0001895	0.0002670857	4.00	3.95	1.86
SRCPARAM L0001896	0.0002670857	4.00	3.95	1.86
SRCPARAM L0001897	0.0002670857	4.00	3.95	1.86
SRCPARAM L0001898	0.0002670857	4.00	3.95	1.86
SRCPARAM L0001899	0.0002670857	4.00	3.95	1.86
SRCPARAM L0001900	0.0002670857	4.00	3.95	1.86
SRCPARAM L0001901	0.0002670857	4.00	3.95	1.86
SRCPARAM L0001902	0.0002670857	4.00	3.95	1.86
SRCPARAM L0001903	0.0002670857	4.00	3.95	1.86
SRCPARAM L0001904	0.0002670857	4.00	3.95	1.86
SRCPARAM L0001905	0.0002670857	4.00	3.95	1.86
SRCPARAM L0001906	0.0002670857	4.00	3.95	1.86
SRCPARAM L0001907	0.0002670857	4.00	3.95	1.86
SRCPARAM L0001908	0.0002670857	4.00	3.95	1.86
SRCPARAM L0001909	0.0002670857	4.00	3.95	1.86
SRCPARAM L0001910	0.0002670857	4.00	3.95	1.86
SRCPARAM L0001911	0.0002670857	4.00	3.95	1.86
SRCPARAM L0001912	0.0002670857	4.00	3.95	1.86
SRCPARAM L0001913	0.0002670857	4.00	3.95	1.86
SRCPARAM L0001914	0.0002670857	4.00	3.95	1.86
SRCPARAM L0001915	0.0002670857	4.00	3.95	1.86
SRCPARAM L0001916	0.0002670857	4.00	3.95	1.86
SRCPARAM L0001917	0.0002670857	4.00	3.95	1.86
SRCPARAM L0001918	0.0002670857	4.00	3.95	1.86
SRCPARAM L0001919	0.0002670857	4.00	3.95	1.86
SRCPARAM L0001920	0.0002670857	4.00	3.95	1.86
SRCPARAM L0001921	0.0002670857	4.00	3.95	1.86
SRCPARAM L0001922	0.0002670857	4.00	3.95	1.86
SRCPARAM L0001923	0.0002670857	4.00	3.95	1.86
SRCPARAM L0001924	0.0002670857	4.00	3.95	1.86
SRCPARAM L0001925	0.0002670857	4.00	3.95	1.86
SRCPARAM L0001926	0.0002670857	4.00	3.95	1.86
SRCPARAM L0001927	0.0002670857	4.00	3.95	1.86
SRCPARAM L0001928	0.0002670857	4.00	3.95	1.86
SRCPARAM L0001929	0.0002670857	4.00	3.95	1.86
SRCPARAM L0001930	0.0002670857	4.00	3.95	1.86
SRCPARAM L0001931	0.0002670857	4.00	3.95	1.86
SRCPARAM L0001932	0.0002670857	4.00	3.95	1.86
SRCPARAM L0001933	0.0002670857	4.00	3.95	1.86
SRCPARAM L0001934	0.0002670857	4.00	3.95	1.86
SRCPARAM L0001935	0.0002670857	4.00	3.95	1.86
SRCPARAM L0001936	0.0002670857	4.00	3.95	1.86
SRCPARAM L0001937	0.0002670857	4.00	3.95	1.86
SRCPARAM L0001938	0.0002670857	4.00	3.95	1.86
SRCPARAM L0001939	0.0002670857	4.00	3.95	1.86
SRCPARAM L0001940	0.0002670857	4.00	3.95	1.86
SRCPARAM L0001941	0.0002670857	4.00	3.95	1.86
SRCPARAM L0001942	0.0002670857	4.00	3.95	1.86

AERMOD LSTs Operational Output

SRCPARAM L0001943	0.0002670857	4.00	3.95	1.86
SRCPARAM L0001944	0.0002670857	4.00	3.95	1.86
SRCPARAM L0001945	0.0002670857	4.00	3.95	1.86
SRCPARAM L0001946	0.0002670857	4.00	3.95	1.86
SRCPARAM L0001947	0.0002670857	4.00	3.95	1.86
SRCPARAM L0001948	0.0002670857	4.00	3.95	1.86
SRCPARAM L0001949	0.0002670857	4.00	3.95	1.86
SRCPARAM L0001950	0.0002670857	4.00	3.95	1.86
SRCPARAM L0001951	0.0002670857	4.00	3.95	1.86
SRCPARAM L0001952	0.0002670857	4.00	3.95	1.86
SRCPARAM L0001953	0.0002670857	4.00	3.95	1.86
SRCPARAM L0001954	0.0002670857	4.00	3.95	1.86
SRCPARAM L0001955	0.0002670857	4.00	3.95	1.86
SRCPARAM L0001956	0.0002670857	4.00	3.95	1.86
SRCPARAM L0001957	0.0002670857	4.00	3.95	1.86
SRCPARAM L0001958	0.0002670857	4.00	3.95	1.86
SRCPARAM L0001959	0.0002670857	4.00	3.95	1.86
SRCPARAM L0001960	0.0002670857	4.00	3.95	1.86
SRCPARAM L0001961	0.0002670857	4.00	3.95	1.86
SRCPARAM L0001962	0.0002670857	4.00	3.95	1.86
SRCPARAM L0001963	0.0002670857	4.00	3.95	1.86
SRCPARAM L0001964	0.0002670857	4.00	3.95	1.86
SRCPARAM L0001965	0.0002670857	4.00	3.95	1.86
SRCPARAM L0001966	0.0002670857	4.00	3.95	1.86
SRCPARAM L0001967	0.0002670857	4.00	3.95	1.86
SRCPARAM L0001968	0.0002670857	4.00	3.95	1.86
SRCPARAM L0001969	0.0002670857	4.00	3.95	1.86
SRCPARAM L0001970	0.0002670857	4.00	3.95	1.86
SRCPARAM L0001971	0.0002670857	4.00	3.95	1.86
SRCPARAM L0001972	0.0002670857	4.00	3.95	1.86
SRCPARAM L0001973	0.0002670857	4.00	3.95	1.86
SRCPARAM L0001974	0.0002670857	4.00	3.95	1.86
SRCPARAM L0001975	0.0002670857	4.00	3.95	1.86
SRCPARAM L0001976	0.0002670857	4.00	3.95	1.86
SRCPARAM L0001977	0.0002670857	4.00	3.95	1.86
SRCPARAM L0001978	0.0002670857	4.00	3.95	1.86
SRCPARAM L0001979	0.0002670857	4.00	3.95	1.86
SRCPARAM L0001980	0.0002670857	4.00	3.95	1.86
SRCPARAM L0001981	0.0002670857	4.00	3.95	1.86
SRCPARAM L0001982	0.0002670857	4.00	3.95	1.86
SRCPARAM L0001983	0.0002670857	4.00	3.95	1.86
SRCPARAM L0001984	0.0002670857	4.00	3.95	1.86
SRCPARAM L0001985	0.0002670857	4.00	3.95	1.86
SRCPARAM L0001986	0.0002670857	4.00	3.95	1.86
SRCPARAM L0001987	0.0002670857	4.00	3.95	1.86
SRCPARAM L0001988	0.0002670857	4.00	3.95	1.86
SRCPARAM L0001989	0.0002670857	4.00	3.95	1.86
SRCPARAM L0001990	0.0002670857	4.00	3.95	1.86

AERMOD LSTs Operational Output

SRCPARAM	L0001991	0.0002670857	4.00	3.95	1.86
SRCPARAM	L0001992	0.0002670857	4.00	3.95	1.86
SRCPARAM	L0001993	0.0002670857	4.00	3.95	1.86
SRCPARAM	L0001994	0.0002670857	4.00	3.95	1.86
SRCPARAM	L0001995	0.0002670857	4.00	3.95	1.86
SRCPARAM	L0001996	0.0002670857	4.00	3.95	1.86
SRCPARAM	L0001997	0.0002670857	4.00	3.95	1.86
SRCPARAM	L0001998	0.0002670857	4.00	3.95	1.86
SRCPARAM	L0001999	0.0002670857	4.00	3.95	1.86
SRCPARAM	L0002000	0.0002670857	4.00	3.95	1.86
SRCPARAM	L0002001	0.0002670857	4.00	3.95	1.86
SRCPARAM	L0002002	0.0002670857	4.00	3.95	1.86
SRCPARAM	L0002003	0.0002670857	4.00	3.95	1.86
SRCPARAM	L0002004	0.0002670857	4.00	3.95	1.86
SRCPARAM	L0002005	0.0002670857	4.00	3.95	1.86
SRCPARAM	L0002006	0.0002670857	4.00	3.95	1.86
SRCPARAM	L0002007	0.0002670857	4.00	3.95	1.86
SRCPARAM	L0002008	0.0002670857	4.00	3.95	1.86
SRCPARAM	L0002009	0.0002670857	4.00	3.95	1.86
SRCPARAM	L0002010	0.0002670857	4.00	3.95	1.86
SRCPARAM	L0002011	0.0002670857	4.00	3.95	1.86
SRCPARAM	L0002012	0.0002670857	4.00	3.95	1.86
SRCPARAM	L0002013	0.0002670857	4.00	3.95	1.86
SRCPARAM	L0002014	0.0002670857	4.00	3.95	1.86
SRCPARAM	L0002015	0.0002670857	4.00	3.95	1.86
SRCPARAM	L0002016	0.0002670857	4.00	3.95	1.86

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** LINE VOLUME Source ID = SLINE8

SRCPARAM	L0002017	0.0000568814	4.00	3.95	1.86
SRCPARAM	L0002018	0.0000568814	4.00	3.95	1.86
SRCPARAM	L0002019	0.0000568814	4.00	3.95	1.86
SRCPARAM	L0002020	0.0000568814	4.00	3.95	1.86
SRCPARAM	L0002021	0.0000568814	4.00	3.95	1.86
SRCPARAM	L0002022	0.0000568814	4.00	3.95	1.86
SRCPARAM	L0002023	0.0000568814	4.00	3.95	1.86
SRCPARAM	L0002024	0.0000568814	4.00	3.95	1.86
SRCPARAM	L0002025	0.0000568814	4.00	3.95	1.86
SRCPARAM	L0002026	0.0000568814	4.00	3.95	1.86
SRCPARAM	L0002027	0.0000568814	4.00	3.95	1.86
SRCPARAM	L0002028	0.0000568814	4.00	3.95	1.86
SRCPARAM	L0002029	0.0000568814	4.00	3.95	1.86
SRCPARAM	L0002030	0.0000568814	4.00	3.95	1.86
SRCPARAM	L0002031	0.0000568814	4.00	3.95	1.86
SRCPARAM	L0002032	0.0000568814	4.00	3.95	1.86
SRCPARAM	L0002033	0.0000568814	4.00	3.95	1.86
SRCPARAM	L0002034	0.0000568814	4.00	3.95	1.86
SRCPARAM	L0002035	0.0000568814	4.00	3.95	1.86
SRCPARAM	L0002036	0.0000568814	4.00	3.95	1.86

AERMOD LSTs Operational Output

SRCPARAM	L0002037	0.0000568814	4.00	3.95	1.86
SRCPARAM	L0002038	0.0000568814	4.00	3.95	1.86
SRCPARAM	L0002039	0.0000568814	4.00	3.95	1.86
SRCPARAM	L0002040	0.0000568814	4.00	3.95	1.86
SRCPARAM	L0002041	0.0000568814	4.00	3.95	1.86
SRCPARAM	L0002042	0.0000568814	4.00	3.95	1.86
SRCPARAM	L0002043	0.0000568814	4.00	3.95	1.86
SRCPARAM	L0002044	0.0000568814	4.00	3.95	1.86
SRCPARAM	L0002045	0.0000568814	4.00	3.95	1.86
SRCPARAM	L0002046	0.0000568814	4.00	3.95	1.86
SRCPARAM	L0002047	0.0000568814	4.00	3.95	1.86
SRCPARAM	L0002048	0.0000568814	4.00	3.95	1.86
SRCPARAM	L0002049	0.0000568814	4.00	3.95	1.86
SRCPARAM	L0002050	0.0000568814	4.00	3.95	1.86
SRCPARAM	L0002051	0.0000568814	4.00	3.95	1.86
SRCPARAM	L0002052	0.0000568814	4.00	3.95	1.86
SRCPARAM	L0002053	0.0000568814	4.00	3.95	1.86
SRCPARAM	L0002054	0.0000568814	4.00	3.95	1.86
SRCPARAM	L0002055	0.0000568814	4.00	3.95	1.86
SRCPARAM	L0002056	0.0000568814	4.00	3.95	1.86
SRCPARAM	L0002057	0.0000568814	4.00	3.95	1.86
SRCPARAM	L0002058	0.0000568814	4.00	3.95	1.86
SRCPARAM	L0002059	0.0000568814	4.00	3.95	1.86
SRCPARAM	L0002060	0.0000568814	4.00	3.95	1.86
SRCPARAM	L0002061	0.0000568814	4.00	3.95	1.86
SRCPARAM	L0002062	0.0000568814	4.00	3.95	1.86
SRCPARAM	L0002063	0.0000568814	4.00	3.95	1.86
SRCPARAM	L0002064	0.0000568814	4.00	3.95	1.86
SRCPARAM	L0002065	0.0000568814	4.00	3.95	1.86
SRCPARAM	L0002066	0.0000568814	4.00	3.95	1.86
SRCPARAM	L0002067	0.0000568814	4.00	3.95	1.86
SRCPARAM	L0002068	0.0000568814	4.00	3.95	1.86
SRCPARAM	L0002069	0.0000568814	4.00	3.95	1.86
SRCPARAM	L0002070	0.0000568814	4.00	3.95	1.86
SRCPARAM	L0002071	0.0000568814	4.00	3.95	1.86
SRCPARAM	L0002072	0.0000568814	4.00	3.95	1.86
SRCPARAM	L0002073	0.0000568814	4.00	3.95	1.86
SRCPARAM	L0002074	0.0000568814	4.00	3.95	1.86
SRCPARAM	L0002075	0.0000568814	4.00	3.95	1.86

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** LINE VOLUME Source ID = SLINE9

SRCPARAM	L0002076	0.0000448163	4.00	3.95	1.86
SRCPARAM	L0002077	0.0000448163	4.00	3.95	1.86
SRCPARAM	L0002078	0.0000448163	4.00	3.95	1.86
SRCPARAM	L0002079	0.0000448163	4.00	3.95	1.86
SRCPARAM	L0002080	0.0000448163	4.00	3.95	1.86
SRCPARAM	L0002081	0.0000448163	4.00	3.95	1.86
SRCPARAM	L0002082	0.0000448163	4.00	3.95	1.86

AERMOD LSTs Operational Output

SRCPARAM	L0002083	0.0000448163	4.00	3.95	1.86
SRCPARAM	L0002084	0.0000448163	4.00	3.95	1.86
SRCPARAM	L0002085	0.0000448163	4.00	3.95	1.86
SRCPARAM	L0002086	0.0000448163	4.00	3.95	1.86
SRCPARAM	L0002087	0.0000448163	4.00	3.95	1.86
SRCPARAM	L0002088	0.0000448163	4.00	3.95	1.86
SRCPARAM	L0002089	0.0000448163	4.00	3.95	1.86
SRCPARAM	L0002090	0.0000448163	4.00	3.95	1.86
SRCPARAM	L0002091	0.0000448163	4.00	3.95	1.86
SRCPARAM	L0002092	0.0000448163	4.00	3.95	1.86
SRCPARAM	L0002093	0.0000448163	4.00	3.95	1.86
SRCPARAM	L0002094	0.0000448163	4.00	3.95	1.86
SRCPARAM	L0002095	0.0000448163	4.00	3.95	1.86
SRCPARAM	L0002096	0.0000448163	4.00	3.95	1.86
SRCPARAM	L0002097	0.0000448163	4.00	3.95	1.86
SRCPARAM	L0002098	0.0000448163	4.00	3.95	1.86
SRCPARAM	L0002099	0.0000448163	4.00	3.95	1.86
SRCPARAM	L0002100	0.0000448163	4.00	3.95	1.86
SRCPARAM	L0002101	0.0000448163	4.00	3.95	1.86
SRCPARAM	L0002102	0.0000448163	4.00	3.95	1.86
SRCPARAM	L0002103	0.0000448163	4.00	3.95	1.86
SRCPARAM	L0002104	0.0000448163	4.00	3.95	1.86
SRCPARAM	L0002105	0.0000448163	4.00	3.95	1.86
SRCPARAM	L0002106	0.0000448163	4.00	3.95	1.86
SRCPARAM	L0002107	0.0000448163	4.00	3.95	1.86
SRCPARAM	L0002108	0.0000448163	4.00	3.95	1.86
SRCPARAM	L0002109	0.0000448163	4.00	3.95	1.86
SRCPARAM	L0002110	0.0000448163	4.00	3.95	1.86
SRCPARAM	L0002111	0.0000448163	4.00	3.95	1.86
SRCPARAM	L0002112	0.0000448163	4.00	3.95	1.86
SRCPARAM	L0002113	0.0000448163	4.00	3.95	1.86
SRCPARAM	L0002114	0.0000448163	4.00	3.95	1.86
SRCPARAM	L0002115	0.0000448163	4.00	3.95	1.86
SRCPARAM	L0002116	0.0000448163	4.00	3.95	1.86
SRCPARAM	L0002117	0.0000448163	4.00	3.95	1.86
SRCPARAM	L0002118	0.0000448163	4.00	3.95	1.86
SRCPARAM	L0002119	0.0000448163	4.00	3.95	1.86
SRCPARAM	L0002120	0.0000448163	4.00	3.95	1.86
SRCPARAM	L0002121	0.0000448163	4.00	3.95	1.86
SRCPARAM	L0002122	0.0000448163	4.00	3.95	1.86
SRCPARAM	L0002123	0.0000448163	4.00	3.95	1.86
SRCPARAM	L0002124	0.0000448163	4.00	3.95	1.86

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** LINE VOLUME Source ID = SLINE10

SRCPARAM	L0002125	0.0000765	4.00	3.95	1.86
SRCPARAM	L0002126	0.0000765	4.00	3.95	1.86
SRCPARAM	L0002127	0.0000765	4.00	3.95	1.86
SRCPARAM	L0002128	0.0000765	4.00	3.95	1.86

AERMOD LSTs Operational Output

SRCPARAM	L0002129	0.0000765	4.00	3.95	1.86
SRCPARAM	L0002130	0.0000765	4.00	3.95	1.86
SRCPARAM	L0002131	0.0000765	4.00	3.95	1.86
SRCPARAM	L0002132	0.0000765	4.00	3.95	1.86
SRCPARAM	L0002133	0.0000765	4.00	3.95	1.86
SRCPARAM	L0002134	0.0000765	4.00	3.95	1.86
SRCPARAM	L0002135	0.0000765	4.00	3.95	1.86
SRCPARAM	L0002136	0.0000765	4.00	3.95	1.86
SRCPARAM	L0002137	0.0000765	4.00	3.95	1.86
SRCPARAM	L0002138	0.0000765	4.00	3.95	1.86
SRCPARAM	L0002139	0.0000765	4.00	3.95	1.86
SRCPARAM	L0002140	0.0000765	4.00	3.95	1.86
SRCPARAM	L0002141	0.0000765	4.00	3.95	1.86
SRCPARAM	L0002142	0.0000765	4.00	3.95	1.86
SRCPARAM	L0002143	0.0000765	4.00	3.95	1.86
SRCPARAM	L0002144	0.0000765	4.00	3.95	1.86
SRCPARAM	L0002145	0.0000765	4.00	3.95	1.86
SRCPARAM	L0002146	0.0000765	4.00	3.95	1.86
SRCPARAM	L0002147	0.0000765	4.00	3.95	1.86
SRCPARAM	L0002148	0.0000765	4.00	3.95	1.86
SRCPARAM	L0002149	0.0000765	4.00	3.95	1.86
SRCPARAM	L0002150	0.0000765	4.00	3.95	1.86
SRCPARAM	L0002151	0.0000765	4.00	3.95	1.86
SRCPARAM	L0002152	0.0000765	4.00	3.95	1.86
SRCPARAM	L0002153	0.0000765	4.00	3.95	1.86
SRCPARAM	L0002154	0.0000765	4.00	3.95	1.86
SRCPARAM	L0002155	0.0000765	4.00	3.95	1.86
SRCPARAM	L0002156	0.0000765	4.00	3.95	1.86
SRCPARAM	L0002157	0.0000765	4.00	3.95	1.86
SRCPARAM	L0002158	0.0000765	4.00	3.95	1.86
SRCPARAM	L0002159	0.0000765	4.00	3.95	1.86
SRCPARAM	L0002160	0.0000765	4.00	3.95	1.86
SRCPARAM	L0002161	0.0000765	4.00	3.95	1.86
SRCPARAM	L0002162	0.0000765	4.00	3.95	1.86
SRCPARAM	L0002163	0.0000765	4.00	3.95	1.86
SRCPARAM	L0002164	0.0000765	4.00	3.95	1.86
SRCPARAM	L0002165	0.0000765	4.00	3.95	1.86
SRCPARAM	L0002166	0.0000765	4.00	3.95	1.86
SRCPARAM	L0002167	0.0000765	4.00	3.95	1.86
SRCPARAM	L0002168	0.0000765	4.00	3.95	1.86
SRCPARAM	L0002169	0.0000765	4.00	3.95	1.86
SRCPARAM	L0002170	0.0000765	4.00	3.95	1.86
SRCPARAM	L0002171	0.0000765	4.00	3.95	1.86
SRCPARAM	L0002172	0.0000765	4.00	3.95	1.86
SRCPARAM	L0002173	0.0000765	4.00	3.95	1.86
SRCPARAM	L0002174	0.0000765	4.00	3.95	1.86

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SRCPARAM	AREA1	2.3237E-07	5.000	75.040	426.520	0.000

AERMOD LSTs Operational Output

SRCPARAM AREA2	2.4601E-07	5.000	57.920	521.960	0.000
SRCPARAM AREA3	8.6212E-07	5.000	143.400	60.160	0.000
SRCPARAM AREA4	2.7038E-07	5.000	72.150	152.500	0.000
SRCPARAM AREA5	5.6524E-07	5.000	61.270	85.900	0.000
SRCPARAM AREA6	2.5324E-07	5.000	65.180	180.230	0.000
SRCPARAM STCK1	0.000642706	3.960	501.000	49.98254	0.044
SRCPARAM STCK2	0.000642706	3.960	501.000	49.98254	0.044
SRCPARAM STCK3	0.000642706	3.960	501.000	49.98254	0.044
SRCPARAM STCK4	0.000642706	3.960	501.000	49.98254	0.044
SRCPARAM STCK5	0.000642706	3.960	501.000	49.98254	0.044
SRCPARAM STCK6	0.000642706	3.960	501.000	49.98254	0.044
SRCPARAM STCK7	0.000642706	3.960	501.000	49.98254	0.044
SRCPARAM STCK8	0.000642706	3.960	501.000	49.98254	0.044
SRCPARAM STCK9	0.000642706	3.960	501.000	49.98254	0.044
SRCPARAM STCK10	0.000642706	3.960	501.000	49.98254	0.044
SRCPARAM STCK11	0.001359712	3.960	501.000	49.98254	0.044
SRCPARAM STCK12	0.001077368	3.960	501.000	49.98254	0.044
SRCPARAM STCK13	0.00184267	3.960	501.000	49.98254	0.044

** LINE VOLUME Source ID = SLINE11

SRCPARAM L0002175	0.0002161111	0.00	3.95	1.40
SRCPARAM L0002176	0.0002161111	0.00	3.95	1.40
SRCPARAM L0002177	0.0002161111	0.00	3.95	1.40
SRCPARAM L0002178	0.0002161111	0.00	3.95	1.40
SRCPARAM L0002179	0.0002161111	0.00	3.95	1.40
SRCPARAM L0002180	0.0002161111	0.00	3.95	1.40
SRCPARAM L0002181	0.0002161111	0.00	3.95	1.40
SRCPARAM L0002182	0.0002161111	0.00	3.95	1.40
SRCPARAM L0002183	0.0002161111	0.00	3.95	1.40
SRCPARAM L0002184	0.0002161111	0.00	3.95	1.40
SRCPARAM L0002185	0.0002161111	0.00	3.95	1.40
SRCPARAM L0002186	0.0002161111	0.00	3.95	1.40
SRCPARAM L0002187	0.0002161111	0.00	3.95	1.40
SRCPARAM L0002188	0.0002161111	0.00	3.95	1.40
SRCPARAM L0002189	0.0002161111	0.00	3.95	1.40
SRCPARAM L0002190	0.0002161111	0.00	3.95	1.40
SRCPARAM L0002191	0.0002161111	0.00	3.95	1.40
SRCPARAM L0002192	0.0002161111	0.00	3.95	1.40
SRCPARAM L0002193	0.0002161111	0.00	3.95	1.40
SRCPARAM L0002194	0.0002161111	0.00	3.95	1.40
SRCPARAM L0002195	0.0002161111	0.00	3.95	1.40
SRCPARAM L0002196	0.0002161111	0.00	3.95	1.40
SRCPARAM L0002197	0.0002161111	0.00	3.95	1.40
SRCPARAM L0002198	0.0002161111	0.00	3.95	1.40
SRCPARAM L0002199	0.0002161111	0.00	3.95	1.40
SRCPARAM L0002200	0.0002161111	0.00	3.95	1.40
SRCPARAM L0002201	0.0002161111	0.00	3.95	1.40
SRCPARAM L0002202	0.0002161111	0.00	3.95	1.40
SRCPARAM L0002203	0.0002161111	0.00	3.95	1.40

AERMOD LSTs Operational Output

SRCPARAM	L0002204	0.0002161111	0.00	3.95	1.40
SRCPARAM	L0002205	0.0002161111	0.00	3.95	1.40
SRCPARAM	L0002206	0.0002161111	0.00	3.95	1.40
SRCPARAM	L0002207	0.0002161111	0.00	3.95	1.40
SRCPARAM	L0002208	0.0002161111	0.00	3.95	1.40
SRCPARAM	L0002209	0.0002161111	0.00	3.95	1.40
SRCPARAM	L0002210	0.0002161111	0.00	3.95	1.40
SRCPARAM	L0002211	0.0002161111	0.00	3.95	1.40
SRCPARAM	L0002212	0.0002161111	0.00	3.95	1.40
SRCPARAM	L0002213	0.0002161111	0.00	3.95	1.40
SRCPARAM	L0002214	0.0002161111	0.00	3.95	1.40
SRCPARAM	L0002215	0.0002161111	0.00	3.95	1.40
SRCPARAM	L0002216	0.0002161111	0.00	3.95	1.40
SRCPARAM	L0002217	0.0002161111	0.00	3.95	1.40
SRCPARAM	L0002218	0.0002161111	0.00	3.95	1.40
SRCPARAM	L0002219	0.0002161111	0.00	3.95	1.40

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** LINE VOLUME Source ID = SLINE16

SRCPARAM	L0002220	0.0000816667	0.00	3.95	1.40
SRCPARAM	L0002221	0.0000816667	0.00	3.95	1.40
SRCPARAM	L0002222	0.0000816667	0.00	3.95	1.40
SRCPARAM	L0002223	0.0000816667	0.00	3.95	1.40
SRCPARAM	L0002224	0.0000816667	0.00	3.95	1.40
SRCPARAM	L0002225	0.0000816667	0.00	3.95	1.40
SRCPARAM	L0002226	0.0000816667	0.00	3.95	1.40
SRCPARAM	L0002227	0.0000816667	0.00	3.95	1.40
SRCPARAM	L0002228	0.0000816667	0.00	3.95	1.40
SRCPARAM	L0002229	0.0000816667	0.00	3.95	1.40
SRCPARAM	L0002230	0.0000816667	0.00	3.95	1.40
SRCPARAM	L0002231	0.0000816667	0.00	3.95	1.40
SRCPARAM	L0002232	0.0000816667	0.00	3.95	1.40
SRCPARAM	L0002233	0.0000816667	0.00	3.95	1.40
SRCPARAM	L0002234	0.0000816667	0.00	3.95	1.40
SRCPARAM	L0002235	0.0000816667	0.00	3.95	1.40
SRCPARAM	L0002236	0.0000816667	0.00	3.95	1.40
SRCPARAM	L0002237	0.0000816667	0.00	3.95	1.40
SRCPARAM	L0002238	0.0000816667	0.00	3.95	1.40
SRCPARAM	L0002239	0.0000816667	0.00	3.95	1.40
SRCPARAM	L0002240	0.0000816667	0.00	3.95	1.40
SRCPARAM	L0002241	0.0000816667	0.00	3.95	1.40
SRCPARAM	L0002242	0.0000816667	0.00	3.95	1.40
SRCPARAM	L0002243	0.0000816667	0.00	3.95	1.40
SRCPARAM	L0002244	0.0000816667	0.00	3.95	1.40
SRCPARAM	L0002245	0.0000816667	0.00	3.95	1.40
SRCPARAM	L0002246	0.0000816667	0.00	3.95	1.40
SRCPARAM	L0002247	0.0000816667	0.00	3.95	1.40
SRCPARAM	L0002248	0.0000816667	0.00	3.95	1.40
SRCPARAM	L0002249	0.0000816667	0.00	3.95	1.40

AERMOD LSTs Operational Output

SRCPARAM	L0002250	0.0000816667	0.00	3.95	1.40
SRCPARAM	L0002251	0.0000816667	0.00	3.95	1.40
SRCPARAM	L0002252	0.0000816667	0.00	3.95	1.40
SRCPARAM	L0002253	0.0000816667	0.00	3.95	1.40
SRCPARAM	L0002254	0.0000816667	0.00	3.95	1.40
SRCPARAM	L0002255	0.0000816667	0.00	3.95	1.40
SRCPARAM	L0002256	0.0000816667	0.00	3.95	1.40
SRCPARAM	L0002257	0.0000816667	0.00	3.95	1.40
SRCPARAM	L0002258	0.0000816667	0.00	3.95	1.40
SRCPARAM	L0002259	0.0000816667	0.00	3.95	1.40
SRCPARAM	L0002260	0.0000816667	0.00	3.95	1.40
SRCPARAM	L0002261	0.0000816667	0.00	3.95	1.40
SRCPARAM	L0002262	0.0000816667	0.00	3.95	1.40
SRCPARAM	L0002263	0.0000816667	0.00	3.95	1.40
SRCPARAM	L0002264	0.0000816667	0.00	3.95	1.40

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** LINE VOLUME Source ID = SLINE12

SRCPARAM	L0002265	0.0006078125	0.00	3.95	1.40
SRCPARAM	L0002266	0.0006078125	0.00	3.95	1.40
SRCPARAM	L0002267	0.0006078125	0.00	3.95	1.40
SRCPARAM	L0002268	0.0006078125	0.00	3.95	1.40
SRCPARAM	L0002269	0.0006078125	0.00	3.95	1.40
SRCPARAM	L0002270	0.0006078125	0.00	3.95	1.40
SRCPARAM	L0002271	0.0006078125	0.00	3.95	1.40
SRCPARAM	L0002272	0.0006078125	0.00	3.95	1.40
SRCPARAM	L0002273	0.0006078125	0.00	3.95	1.40
SRCPARAM	L0002274	0.0006078125	0.00	3.95	1.40
SRCPARAM	L0002275	0.0006078125	0.00	3.95	1.40
SRCPARAM	L0002276	0.0006078125	0.00	3.95	1.40
SRCPARAM	L0002277	0.0006078125	0.00	3.95	1.40
SRCPARAM	L0002278	0.0006078125	0.00	3.95	1.40
SRCPARAM	L0002279	0.0006078125	0.00	3.95	1.40
SRCPARAM	L0002280	0.0006078125	0.00	3.95	1.40

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** LINE VOLUME Source ID = SLINE17

SRCPARAM	L0002281	0.0000839375	0.00	3.95	1.40
SRCPARAM	L0002282	0.0000839375	0.00	3.95	1.40
SRCPARAM	L0002283	0.0000839375	0.00	3.95	1.40
SRCPARAM	L0002284	0.0000839375	0.00	3.95	1.40
SRCPARAM	L0002285	0.0000839375	0.00	3.95	1.40
SRCPARAM	L0002286	0.0000839375	0.00	3.95	1.40
SRCPARAM	L0002287	0.0000839375	0.00	3.95	1.40
SRCPARAM	L0002288	0.0000839375	0.00	3.95	1.40
SRCPARAM	L0002289	0.0000839375	0.00	3.95	1.40
SRCPARAM	L0002290	0.0000839375	0.00	3.95	1.40
SRCPARAM	L0002291	0.0000839375	0.00	3.95	1.40
SRCPARAM	L0002292	0.0000839375	0.00	3.95	1.40
SRCPARAM	L0002293	0.0000839375	0.00	3.95	1.40

AERMOD LSTs Operational Output

SRCPARAM L0002294	0.0000839375	0.00	3.95	1.40
SRCPARAM L0002295	0.0000839375	0.00	3.95	1.40
SRCPARAM L0002296	0.0000839375	0.00	3.95	1.40

**

** LINE VOLUME Source ID = SLINE13

SRCPARAM L0001660	0.0002994194	0.00	3.95	1.40
SRCPARAM L0001661	0.0002994194	0.00	3.95	1.40
SRCPARAM L0001662	0.0002994194	0.00	3.95	1.40
SRCPARAM L0001663	0.0002994194	0.00	3.95	1.40
SRCPARAM L0001664	0.0002994194	0.00	3.95	1.40
SRCPARAM L0001665	0.0002994194	0.00	3.95	1.40
SRCPARAM L0001666	0.0002994194	0.00	3.95	1.40
SRCPARAM L0001667	0.0002994194	0.00	3.95	1.40
SRCPARAM L0001668	0.0002994194	0.00	3.95	1.40
SRCPARAM L0001669	0.0002994194	0.00	3.95	1.40
SRCPARAM L0001670	0.0002994194	0.00	3.95	1.40
SRCPARAM L0001671	0.0002994194	0.00	3.95	1.40
SRCPARAM L0001672	0.0002994194	0.00	3.95	1.40
SRCPARAM L0001673	0.0002994194	0.00	3.95	1.40
SRCPARAM L0001674	0.0002994194	0.00	3.95	1.40
SRCPARAM L0001675	0.0002994194	0.00	3.95	1.40
SRCPARAM L0001676	0.0002994194	0.00	3.95	1.40
SRCPARAM L0001677	0.0002994194	0.00	3.95	1.40
SRCPARAM L0001678	0.0002994194	0.00	3.95	1.40
SRCPARAM L0001679	0.0002994194	0.00	3.95	1.40
SRCPARAM L0001680	0.0002994194	0.00	3.95	1.40
SRCPARAM L0001681	0.0002994194	0.00	3.95	1.40
SRCPARAM L0001682	0.0002994194	0.00	3.95	1.40
SRCPARAM L0001683	0.0002994194	0.00	3.95	1.40
SRCPARAM L0001684	0.0002994194	0.00	3.95	1.40
SRCPARAM L0001685	0.0002994194	0.00	3.95	1.40
SRCPARAM L0001686	0.0002994194	0.00	3.95	1.40
SRCPARAM L0001687	0.0002994194	0.00	3.95	1.40
SRCPARAM L0001688	0.0002994194	0.00	3.95	1.40
SRCPARAM L0001689	0.0002994194	0.00	3.95	1.40
SRCPARAM L0001690	0.0002994194	0.00	3.95	1.40

**

** LINE VOLUME Source ID = SLINE18

SRCPARAM L0001691	0.0000775806	0.00	3.95	1.40
SRCPARAM L0001692	0.0000775806	0.00	3.95	1.40
SRCPARAM L0001693	0.0000775806	0.00	3.95	1.40
SRCPARAM L0001694	0.0000775806	0.00	3.95	1.40
SRCPARAM L0001695	0.0000775806	0.00	3.95	1.40
SRCPARAM L0001696	0.0000775806	0.00	3.95	1.40
SRCPARAM L0001697	0.0000775806	0.00	3.95	1.40
SRCPARAM L0001698	0.0000775806	0.00	3.95	1.40
SRCPARAM L0001699	0.0000775806	0.00	3.95	1.40
SRCPARAM L0001700	0.0000775806	0.00	3.95	1.40

AERMOD LSTs Operational Output

SRCPARAM	L0001701	0.0000775806	0.00	3.95	1.40
SRCPARAM	L0001702	0.0000775806	0.00	3.95	1.40
SRCPARAM	L0001703	0.0000775806	0.00	3.95	1.40
SRCPARAM	L0001704	0.0000775806	0.00	3.95	1.40
SRCPARAM	L0001705	0.0000775806	0.00	3.95	1.40
SRCPARAM	L0001706	0.0000775806	0.00	3.95	1.40
SRCPARAM	L0001707	0.0000775806	0.00	3.95	1.40
SRCPARAM	L0001708	0.0000775806	0.00	3.95	1.40
SRCPARAM	L0001709	0.0000775806	0.00	3.95	1.40
SRCPARAM	L0001710	0.0000775806	0.00	3.95	1.40
SRCPARAM	L0001711	0.0000775806	0.00	3.95	1.40
SRCPARAM	L0001712	0.0000775806	0.00	3.95	1.40
SRCPARAM	L0001713	0.0000775806	0.00	3.95	1.40
SRCPARAM	L0001714	0.0000775806	0.00	3.95	1.40
SRCPARAM	L0001715	0.0000775806	0.00	3.95	1.40
SRCPARAM	L0001716	0.0000775806	0.00	3.95	1.40
SRCPARAM	L0001717	0.0000775806	0.00	3.95	1.40
SRCPARAM	L0001718	0.0000775806	0.00	3.95	1.40
SRCPARAM	L0001719	0.0000775806	0.00	3.95	1.40
SRCPARAM	L0001720	0.0000775806	0.00	3.95	1.40
SRCPARAM	L0001721	0.0000775806	0.00	3.95	1.40

**

** LINE VOLUME Source ID = SLINE14

SRCPARAM	L0001722	0.000921625	0.00	3.95	1.40
SRCPARAM	L0001723	0.000921625	0.00	3.95	1.40
SRCPARAM	L0001724	0.000921625	0.00	3.95	1.40
SRCPARAM	L0001725	0.000921625	0.00	3.95	1.40
SRCPARAM	L0001726	0.000921625	0.00	3.95	1.40
SRCPARAM	L0001727	0.000921625	0.00	3.95	1.40
SRCPARAM	L0001728	0.000921625	0.00	3.95	1.40
SRCPARAM	L0001729	0.000921625	0.00	3.95	1.40

**

** LINE VOLUME Source ID = SLINE19

SRCPARAM	L0002297	0.0000589125	0.00	3.95	1.40
SRCPARAM	L0002298	0.0000589125	0.00	3.95	1.40
SRCPARAM	L0002299	0.0000589125	0.00	3.95	1.40
SRCPARAM	L0002300	0.0000589125	0.00	3.95	1.40
SRCPARAM	L0002301	0.0000589125	0.00	3.95	1.40
SRCPARAM	L0002302	0.0000589125	0.00	3.95	1.40
SRCPARAM	L0002303	0.0000589125	0.00	3.95	1.40
SRCPARAM	L0002304	0.0000589125	0.00	3.95	1.40

**

** LINE VOLUME Source ID = SLINE15

SRCPARAM	L0001738	0.0010475	0.00	3.95	1.40
SRCPARAM	L0001739	0.0010475	0.00	3.95	1.40
SRCPARAM	L0001740	0.0010475	0.00	3.95	1.40
SRCPARAM	L0001741	0.0010475	0.00	3.95	1.40
SRCPARAM	L0001742	0.0010475	0.00	3.95	1.40

AERMOD LSTs Operational Output

SRCPARAM L0001743	0.0010475	0.00	3.95	1.40
SRCPARAM L0001744	0.0010475	0.00	3.95	1.40
SRCPARAM L0001745	0.0010475	0.00	3.95	1.40
SRCPARAM L0001746	0.0010475	0.00	3.95	1.40
SRCPARAM L0001747	0.0010475	0.00	3.95	1.40
SRCPARAM L0001748	0.0010475	0.00	3.95	1.40
SRCPARAM L0001749	0.0010475	0.00	3.95	1.40

**

** LINE VOLUME Source ID = SLINE20

SRCPARAM L0002305	0.0001105	0.00	3.95	1.40
SRCPARAM L0002306	0.0001105	0.00	3.95	1.40
SRCPARAM L0002307	0.0001105	0.00	3.95	1.40
SRCPARAM L0002308	0.0001105	0.00	3.95	1.40
SRCPARAM L0002309	0.0001105	0.00	3.95	1.40
SRCPARAM L0002310	0.0001105	0.00	3.95	1.40
SRCPARAM L0002311	0.0001105	0.00	3.95	1.40
SRCPARAM L0002312	0.0001105	0.00	3.95	1.40
SRCPARAM L0002313	0.0001105	0.00	3.95	1.40
SRCPARAM L0002314	0.0001105	0.00	3.95	1.40
SRCPARAM L0002315	0.0001105	0.00	3.95	1.40
SRCPARAM L0002316	0.0001105	0.00	3.95	1.40

**

URBANSRC ALL
 CONCUNIT 873.2 GRAMS/SEC PPM
 SRCGROUP ALL

SO FINISHED

**

** AERMOD Receptor Pathway

**

**

RE STARTING
 INCLUDED CO.rou

RE FINISHED

**

** AERMOD Meteorology Pathway

**

**

ME STARTING
 SURFFILE ..\..\peri8.sfc
 PROFFILE ..\..\peri8.PFL
 SURFDATA 3190 2007
 UAIRDATA 3190 2007
 SITEDATA 99999 2007
 PROFBASE 442.0 METERS

ME FINISHED

****:**

** AERMOD Output Pathway

**

YOU STARTING

RECTABLE ALLAVE 1ST

RECTABLE 1 1ST

RECTABLE 8 1ST

** Auto-Generated Plotfiles

PLOTFILE 1 ALL 1ST CO.AD\01H1GALL.PLT 31

PLOTFILE 8 ALL 1ST CO.AD\08H1GALL.PLT 32

SUMMFILE CO.sum

YOU FINISHED

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

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

```
A Total of          0 Fatal Error Message(s)
A Total of          1 Warning Message(s)
A Total of          0 Informational Message(s)
```

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

***** WARNING MESSAGES *****

```
ME W531      1777      MEOPEN: CAUTION! Met Station ID Missing from SURFFILE for
SURFDATA
```

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

```

♀ *** AERMOD - VERSION 15181 ***      *** C:\Lakes\AERMOD
View\MVL\OperationalLSTs\CO\CO.isc      ***      11/03/15
*** AERMET - VERSION 14134 ***      ***
***      12:26:14

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**MODELOPTs:  RegDFault CONC      PAGE  1      ELEV      FLGPOL      URBAN

```

*** MODEL SETUP OPTIONS SUMMARY

AERMOD LSTs Operational Output

**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 656 Source(s),
for Total of 1 Urban Area(s):

Urban Population = 2100516.0 ; 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:

TEMP_Sub - Meteorological data includes TEMP substitutions

**Model Accepts FLAGPOLE Receptor Heights.

**The User Specified a Pollutant Type of: CO

**Model Calculates 2 Short Term Average(s) of: 1-HR 8-HR

**This Run Includes: 656 Source(s); 1 Source Group(s); and 8
Receptor(s)

with: 13 POINT(s), including
0 POINTCAP(s) and 0 POINTHOR(s)
and: 637 VOLUME source(s)
and: 6 AREA type source(s)
and: 0 LINE source(s)
and: 0 OPENPIT source(s)

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

**The AERMET Input Meteorological Data Version Date: 14134

AERMOD LSTs Operational Output

**Output Options Selected:

Model Outputs Tables of Highest Short Term Values by Receptor (RECTABLE
Keyword)
Model Outputs External File(s) of High Values for Plotting (PLOTFILE
Keyword)
Model Outputs Separate Summary File of High Ranked Values (SUMMFILE
Keyword)

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

**Misc. Inputs: Base Elev. for Pot. Temp. Profile (m MSL) = 442.00 ; Decay
Coef. = 0.000 ; Rot. Angle = 0.0
Emission Units = GRAMS/SEC ;
Emission Rate Unit Factor = 873.20
Output Units = PPM

**Approximate Storage Requirements of Model = 3.9 MB of RAM.

**Detailed Error/Message File: CO.err

**File for Summary of Results: CO.sum

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PAGE 2
**MODELOPTs: RegDFAULT CONC ELEV FLGPOL URBAN

*** POINT SOURCE DATA ***

STACK	STACK	BLDG	URBAN	CAP/	EMIS RATE	BASE	STACK	STACK
SOURCE	PART.	(USER UNITS)	X	Y	ELEV.	HEIGHT	TEMP.	
EXIT VEL.	DIAMETER	EXISTS	SOURCE	HOR	SCALAR			
ID	CATS.		(METERS)	(METERS)	(METERS)	(METERS)	(DEG.K)	
(M/SEC)	(METERS)		VARY BY					

STCK1	0	0.64271E-03	478197.3	3748887.5	453.0	3.96	501.00	
49.98	0.04	NO	YES	NO				

AERMOD LSTs Operational Output

STCK2	0	0.64271E-03	478195.1	3748735.6	452.0	3.96	501.00
49.98	0.04	NO	YES	NO			
STCK3	0	0.64271E-03	478195.8	3748573.3	452.0	3.96	501.00
49.98	0.04	NO	YES	NO			
STCK4	0	0.64271E-03	478198.1	3748428.1	451.0	3.96	501.00
49.98	0.04	NO	YES	NO			
STCK5	0	0.64271E-03	477956.2	3748894.1	453.0	3.96	501.00
49.98	0.04	NO	YES	NO			
STCK6	0	0.64271E-03	477962.1	3748741.5	453.0	3.96	501.00
49.98	0.04	NO	YES	NO			
STCK7	0	0.64271E-03	477962.8	3748581.4	452.0	3.96	501.00
49.98	0.04	NO	YES	NO			
STCK8	0	0.64271E-03	477964.3	3748509.9	451.8	3.96	501.00
49.98	0.04	NO	YES	NO			
STCK9	0	0.64271E-03	478049.1	3748355.8	451.0	3.96	501.00
49.98	0.04	NO	YES	NO			
STCK10	0	0.64271E-03	478153.1	3748357.3	451.0	3.96	501.00
49.98	0.04	NO	YES	NO			
STCK11	0	0.13597E-02	477756.4	3748910.9	453.2	3.96	501.00
49.98	0.04	NO	YES	NO			
STCK12	0	0.10774E-02	477975.8	3748266.9	450.0	3.96	501.00
49.98	0.04	NO	YES	NO			
STCK13	0	0.18427E-02	477612.5	3748890.5	454.0	3.96	501.00
49.98	0.04	NO	YES	NO			

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PAGE 3
 **MODELOPTs: RegDFAULT CONC ELEV FLGPOL URBAN

*** VOLUME SOURCE DATA ***

INIT.	URBAN	NUMBER EMISSION RATE	BASE	RELEASE	INIT.
SOURCE	SCALAR	EMISSION RATE	ELEV.	HEIGHT	SY
SZ	SCALAR	PART. (USER UNITS)	(METERS)	(METERS)	(METERS)
ID	CATS.	BY	(METERS)	(METERS)	(METERS)
(METERS)					
L0001762	0	0.86353E-03	478216.2	3748416.3	451.0
1.86	YES				
L0001763	0	0.86353E-03	478216.3	3748446.3	451.0
1.86	YES				

AERMOD LSTs Operational Output							
L0001764	0	0.86353E-03	478216.5	3748476.3	451.2	4.00	13.95
1.86 YES							
L0001765	0	0.86353E-03	478216.6	3748506.3	451.7	4.00	13.95
1.86 YES							
L0001766	0	0.86353E-03	478216.7	3748536.3	452.0	4.00	13.95
1.86 YES							
L0001767	0	0.86353E-03	478216.9	3748566.3	452.0	4.00	13.95
1.86 YES							
L0001768	0	0.86353E-03	478217.0	3748596.3	452.0	4.00	13.95
1.86 YES							
L0001769	0	0.86353E-03	478217.2	3748626.3	452.0	4.00	13.95
1.86 YES							
L0001770	0	0.86353E-03	478217.3	3748656.3	452.0	4.00	13.95
1.86 YES							
L0001771	0	0.86353E-03	478217.4	3748686.3	452.0	4.00	13.95
1.86 YES							
L0001772	0	0.86353E-03	478217.6	3748716.3	452.0	4.00	13.95
1.86 YES							
L0001773	0	0.86353E-03	478217.7	3748746.3	452.0	4.00	13.95
1.86 YES							
L0001774	0	0.86353E-03	478217.8	3748776.3	452.0	4.00	13.95
1.86 YES							
L0001775	0	0.86353E-03	478218.0	3748806.3	452.7	4.00	13.95
1.86 YES							
L0001776	0	0.86353E-03	478218.1	3748836.3	453.0	4.00	13.95
1.86 YES							
L0001777	0	0.86353E-03	478218.3	3748866.3	453.0	4.00	13.95
1.86 YES							
L0001778	0	0.86353E-03	478218.4	3748896.3	453.0	4.00	13.95
1.86 YES							
L0001779	0	0.89500E-03	477943.9	3748501.1	451.5	4.00	13.95
1.86 YES							
L0001780	0	0.89500E-03	477944.1	3748531.1	452.0	4.00	13.95
1.86 YES							
L0001781	0	0.89500E-03	477944.4	3748561.1	452.0	4.00	13.95
1.86 YES							
L0001782	0	0.89500E-03	477944.7	3748591.1	452.0	4.00	13.95
1.86 YES							
L0001783	0	0.89500E-03	477944.9	3748621.1	452.0	4.00	13.95
1.86 YES							
L0001784	0	0.89500E-03	477945.2	3748651.1	452.0	4.00	13.95
1.86 YES							
L0001785	0	0.89500E-03	477945.4	3748681.1	452.5	4.00	13.95
1.86 YES							
L0001786	0	0.89500E-03	477945.7	3748711.1	453.0	4.00	13.95
1.86 YES							
L0001787	0	0.89500E-03	477945.9	3748741.1	453.0	4.00	13.95
1.86 YES							

AERMOD LSTs Operational Output

L0001788	0	0.89500E-03	477946.2	3748771.1	453.0	4.00	13.95
1.86 YES							
L0001789	0	0.89500E-03	477946.5	3748801.1	453.0	4.00	13.95
1.86 YES							
L0001790	0	0.89500E-03	477946.7	3748831.1	453.0	4.00	13.95
1.86 YES							
L0001791	0	0.89500E-03	477947.0	3748861.1	453.0	4.00	13.95
1.86 YES							
L0001792	0	0.89500E-03	477947.2	3748891.1	453.0	4.00	13.95
1.86 YES							
L0001793	0	0.82538E-03	477756.7	3748938.5	454.0	4.00	3.95
1.86 YES							
L0001794	0	0.82538E-03	477756.7	3748930.0	453.8	4.00	3.95
1.86 YES							
L0001795	0	0.82538E-03	477756.7	3748921.5	453.6	4.00	3.95
1.86 YES							
L0001796	0	0.82538E-03	477756.7	3748913.0	453.3	4.00	3.95
1.86 YES							
L0001797	0	0.82538E-03	477756.7	3748904.5	453.1	4.00	3.95
1.86 YES							
L0001798	0	0.82538E-03	477756.7	3748896.0	453.1	4.00	3.95
1.86 YES							
L0001799	0	0.82538E-03	477756.7	3748887.5	453.1	4.00	3.95
1.86 YES							
L0001800	0	0.82538E-03	477756.7	3748879.0	453.1	4.00	3.95
1.86 YES							
L0001801	0	0.24914E-03	477900.2	3748339.0	451.0	4.00	3.95
1.86 YES							

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**MODELOPTs: RegDFAULT CONC PAGE 4
ELEV FLGPOL URBAN

*** VOLUME SOURCE DATA ***

INIT.	URBAN	NUMBER EMISSION RATE	BASE	RELEASE	INIT.
SOURCE	EMISSION RATE				
SZ	PART. (USER UNITS)	X	Y	ELEV.	HEIGHT
ID	SCALAR VARY	(METERS)	(METERS)	(METERS)	(METERS)
(METERS)	CATS.				
	BY				
-	-	-	-	-	-
-	-	-	-	-	-

AERMOD LSTs Operational Output							
L0001802	0	0.24914E-03	477908.7	3748339.0	451.0	4.00	3.95
1.86 YES							
L0001803	0	0.24914E-03	477917.1	3748338.9	451.0	4.00	3.95
1.86 YES							
L0001804	0	0.24914E-03	477925.6	3748338.8	451.0	4.00	3.95
1.86 YES							
L0001805	0	0.24914E-03	477934.1	3748338.8	451.0	4.00	3.95
1.86 YES							
L0001806	0	0.24914E-03	477942.6	3748338.0	451.0	4.00	3.95
1.86 YES							
L0001807	0	0.24914E-03	477947.6	3748331.8	451.0	4.00	3.95
1.86 YES							
L0001808	0	0.24914E-03	477951.8	3748324.5	451.0	4.00	3.95
1.86 YES							
L0001809	0	0.24914E-03	477956.1	3748317.1	450.0	4.00	3.95
1.86 YES							
L0001810	0	0.24914E-03	477960.3	3748309.7	450.0	4.00	3.95
1.86 YES							
L0001811	0	0.24914E-03	477964.6	3748302.3	450.0	4.00	3.95
1.86 YES							
L0001812	0	0.24914E-03	477968.8	3748295.0	450.0	4.00	3.95
1.86 YES							
L0001813	0	0.24914E-03	477973.0	3748287.6	450.0	4.00	3.95
1.86 YES							
L0001814	0	0.24914E-03	477976.2	3748279.9	450.0	4.00	3.95
1.86 YES							
L0001815	0	0.24914E-03	477977.3	3748271.5	450.0	4.00	3.95
1.86 YES							
L0001816	0	0.24914E-03	477978.3	3748263.0	450.0	4.00	3.95
1.86 YES							
L0001817	0	0.24914E-03	477978.3	3748254.5	450.0	4.00	3.95
1.86 YES							
L0001818	0	0.24914E-03	477978.3	3748246.0	450.0	4.00	3.95
1.86 YES							
L0001819	0	0.24914E-03	477978.2	3748237.5	450.0	4.00	3.95
1.86 YES							
L0001820	0	0.24914E-03	477978.2	3748229.0	450.0	4.00	3.95
1.86 YES							
L0001821	0	0.24914E-03	477978.1	3748220.5	450.0	4.00	3.95
1.86 YES							
L0001822	0	0.59653E-03	477608.7	3748929.3	454.0	0.00	3.95
1.86 YES							
L0001823	0	0.59653E-03	477608.7	3748920.8	454.0	0.00	3.95
1.86 YES							
L0001824	0	0.59653E-03	477608.7	3748912.3	454.0	0.00	3.95
1.86 YES							
L0001825	0	0.59653E-03	477608.7	3748903.8	454.0	0.00	3.95
1.86 YES							

AERMOD LSTs Operational Output

L0001826	0	0.59653E-03	477608.7	3748895.3	454.0	0.00	3.95
1.86 YES							
L0001827	0	0.59653E-03	477608.7	3748886.8	454.0	0.00	3.95
1.86 YES							
L0001828	0	0.59653E-03	477608.7	3748878.3	454.0	0.00	3.95
1.86 YES							
L0001829	0	0.59653E-03	477608.7	3748869.8	454.0	0.00	3.95
1.86 YES							
L0001830	0	0.59653E-03	477608.7	3748861.3	454.0	0.00	3.95
1.86 YES							
L0001831	0	0.59653E-03	477608.7	3748852.8	454.0	0.00	3.95
1.86 YES							
L0001832	0	0.59653E-03	477608.7	3748844.3	454.0	0.00	3.95
1.86 YES							
L0001833	0	0.59653E-03	477608.7	3748835.8	454.0	0.00	3.95
1.86 YES							
L0001834	0	0.59653E-03	477608.7	3748827.3	454.0	0.00	3.95
1.86 YES							
L0001835	0	0.59653E-03	477608.7	3748818.8	454.0	0.00	3.95
1.86 YES							
L0001836	0	0.59653E-03	477608.7	3748810.3	454.0	0.00	3.95
1.86 YES							
L0001837	0	0.80820E-03	478043.0	3748335.2	451.0	0.00	13.95
1.86 YES							
L0001838	0	0.80820E-03	478073.0	3748334.5	451.0	0.00	13.95
1.86 YES							
L0001839	0	0.80820E-03	478103.0	3748333.9	451.0	0.00	13.95
1.86 YES							
L0001840	0	0.80820E-03	478133.0	3748333.2	451.0	0.00	13.95
1.86 YES							
L0001841	0	0.80820E-03	478163.0	3748332.6	451.0	0.00	13.95
1.86 YES							

♀ *** AERMOD - VERSION 15181 *** C:\Lakes\AERMOD
 View\MVL\OperationalLSTs\CO\CO.isc *** 11/03/15
 *** AERMET - VERSION 14134 ***
 *** 12:26:14

***MODELOPTs: RegDFAULT CONC PAGE 5
 ELEV FLGPOL URBAN

*** VOLUME SOURCE DATA ***

INIT.	URBAN	NUMBER EMISSION RATE	BASE	RELEASE	INIT.
SOURCE	EMISSION RATE				
SZ	PART. (USER UNITS)	X	Y	ELEV.	HEIGHT
SCALAR VARY					
ID	CATS.	(METERS)	(METERS)	(METERS)	(METERS)

AERMOD LSTs Operational Output

(METERS)

BY

- - - - -

L0001842	0	0.26709E-03	477952.3	3748971.4	453.0	4.00	3.95
1.86 YES							
L0001843	0	0.26709E-03	477952.2	3748962.9	453.0	4.00	3.95
1.86 YES							
L0001844	0	0.26709E-03	477952.0	3748954.4	453.0	4.00	3.95
1.86 YES							
L0001845	0	0.26709E-03	477951.4	3748946.0	453.0	4.00	3.95
1.86 YES							
L0001846	0	0.26709E-03	477950.2	3748937.5	453.0	4.00	3.95
1.86 YES							
L0001847	0	0.26709E-03	477949.0	3748929.1	453.0	4.00	3.95
1.86 YES							
L0001848	0	0.26709E-03	477948.2	3748920.7	453.0	4.00	3.95
1.86 YES							
L0001849	0	0.26709E-03	477948.1	3748912.2	453.0	4.00	3.95
1.86 YES							
L0001850	0	0.26709E-03	477947.9	3748903.7	453.0	4.00	3.95
1.86 YES							
L0001851	0	0.26709E-03	477947.8	3748895.2	453.0	4.00	3.95
1.86 YES							
L0001852	0	0.26709E-03	477947.6	3748886.7	453.0	4.00	3.95
1.86 YES							
L0001853	0	0.26709E-03	477947.5	3748878.2	453.0	4.00	3.95
1.86 YES							
L0001854	0	0.26709E-03	477947.3	3748869.7	453.0	4.00	3.95
1.86 YES							
L0001855	0	0.26709E-03	477947.2	3748861.2	453.0	4.00	3.95
1.86 YES							
L0001856	0	0.26709E-03	477947.2	3748852.7	453.0	4.00	3.95
1.86 YES							
L0001857	0	0.26709E-03	477947.1	3748844.2	453.0	4.00	3.95
1.86 YES							
L0001858	0	0.26709E-03	477947.0	3748835.7	453.0	4.00	3.95
1.86 YES							
L0001859	0	0.26709E-03	477947.0	3748827.2	453.0	4.00	3.95
1.86 YES							
L0001860	0	0.26709E-03	477946.9	3748818.7	453.0	4.00	3.95
1.86 YES							
L0001861	0	0.26709E-03	477946.8	3748810.2	453.0	4.00	3.95
1.86 YES							
L0001862	0	0.26709E-03	477946.7	3748801.7	453.0	4.00	3.95
1.86 YES							
L0001863	0	0.26709E-03	477946.7	3748793.2	453.0	4.00	3.95
1.86 YES							

AERMOD LSTs Operational Output

L0001864	0	0.26709E-03	477946.6	3748784.7	453.0	4.00	3.95
1.86 YES							
L0001865	0	0.26709E-03	477946.5	3748776.2	453.0	4.00	3.95
1.86 YES							
L0001866	0	0.26709E-03	477946.5	3748767.7	453.0	4.00	3.95
1.86 YES							
L0001867	0	0.26709E-03	477946.4	3748759.2	453.0	4.00	3.95
1.86 YES							
L0001868	0	0.26709E-03	477946.3	3748750.7	453.0	4.00	3.95
1.86 YES							
L0001869	0	0.26709E-03	477946.3	3748742.2	453.0	4.00	3.95
1.86 YES							
L0001870	0	0.26709E-03	477946.2	3748733.7	453.0	4.00	3.95
1.86 YES							
L0001871	0	0.26709E-03	477946.1	3748725.2	453.0	4.00	3.95
1.86 YES							
L0001872	0	0.26709E-03	477946.1	3748716.7	453.0	4.00	3.95
1.86 YES							
L0001873	0	0.26709E-03	477946.0	3748708.2	453.0	4.00	3.95
1.86 YES							
L0001874	0	0.26709E-03	477945.9	3748699.7	453.0	4.00	3.95
1.86 YES							
L0001875	0	0.26709E-03	477945.9	3748691.2	452.8	4.00	3.95
1.86 YES							
L0001876	0	0.26709E-03	477945.8	3748682.7	452.5	4.00	3.95
1.86 YES							
L0001877	0	0.26709E-03	477945.7	3748674.2	452.2	4.00	3.95
1.86 YES							
L0001878	0	0.26709E-03	477945.7	3748665.7	452.0	4.00	3.95
1.86 YES							
L0001879	0	0.26709E-03	477945.6	3748657.2	452.0	4.00	3.95
1.86 YES							
L0001880	0	0.26709E-03	477945.5	3748648.7	452.0	4.00	3.95
1.86 YES							
L0001881	0	0.26709E-03	477945.4	3748640.2	452.0	4.00	3.95
1.86 YES							

♀ *** AERMOD - VERSION 15181 *** *** C:\Lakes\AERMOD
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 *** AERMET - VERSION 14134 *** ***
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**MODELOPTs: RegDFAULT CONC PAGE 6
 ELEV FLGPOL URBAN

*** VOLUME SOURCE DATA ***

NUMBER EMISSION RATE BASE RELEASE INIT.

AERMOD LSTs Operational Output

INIT.	URBAN	EMISSION RATE						
SOURCE		PART.	(USER UNITS)	X	Y	ELEV.	HEIGHT	SY
SZ	SOURCE	SCALAR	VARY					
ID		CATS.	BY	(METERS)	(METERS)	(METERS)	(METERS)	(METERS)
(METERS)								

L0001882		0	0.26709E-03	477945.4	3748631.7	452.0	4.00	3.95
1.86	YES							
L0001883		0	0.26709E-03	477945.3	3748623.2	452.0	4.00	3.95
1.86	YES							
L0001884		0	0.26709E-03	477945.2	3748614.7	452.0	4.00	3.95
1.86	YES							
L0001885		0	0.26709E-03	477945.2	3748606.2	452.0	4.00	3.95
1.86	YES							
L0001886		0	0.26709E-03	477945.1	3748597.7	452.0	4.00	3.95
1.86	YES							
L0001887		0	0.26709E-03	477945.0	3748589.2	452.0	4.00	3.95
1.86	YES							
L0001888		0	0.26709E-03	477945.0	3748580.7	452.0	4.00	3.95
1.86	YES							
L0001889		0	0.26709E-03	477944.9	3748572.2	452.0	4.00	3.95
1.86	YES							
L0001890		0	0.26709E-03	477944.8	3748563.7	452.0	4.00	3.95
1.86	YES							
L0001891		0	0.26709E-03	477944.8	3748555.2	452.0	4.00	3.95
1.86	YES							
L0001892		0	0.26709E-03	477944.7	3748546.7	452.0	4.00	3.95
1.86	YES							
L0001893		0	0.26709E-03	477944.6	3748538.2	452.0	4.00	3.95
1.86	YES							
L0001894		0	0.26709E-03	477944.6	3748529.7	452.0	4.00	3.95
1.86	YES							
L0001895		0	0.26709E-03	477944.5	3748521.2	452.0	4.00	3.95
1.86	YES							
L0001896		0	0.26709E-03	477944.4	3748512.7	451.9	4.00	3.95
1.86	YES							
L0001897		0	0.26709E-03	477944.4	3748504.2	451.6	4.00	3.95
1.86	YES							
L0001898		0	0.26709E-03	477944.3	3748495.7	451.3	4.00	3.95
1.86	YES							
L0001899		0	0.26709E-03	477944.7	3748487.3	451.0	4.00	3.95
1.86	YES							
L0001900		0	0.26709E-03	477948.7	3748479.8	451.0	4.00	3.95
1.86	YES							
L0001901		0	0.26709E-03	477952.8	3748472.3	451.0	4.00	3.95
1.86	YES							

AERMOD LSTs Operational Output

L0001902	0	0.26709E-03	477956.8	3748464.9	451.0	4.00	3.95
1.86 YES							
L0001903	0	0.26709E-03	477960.8	3748457.4	451.0	4.00	3.95
1.86 YES							
L0001904	0	0.26709E-03	477964.8	3748449.9	451.0	4.00	3.95
1.86 YES							
L0001905	0	0.26709E-03	477968.8	3748442.4	451.0	4.00	3.95
1.86 YES							
L0001906	0	0.26709E-03	477972.8	3748434.9	451.0	4.00	3.95
1.86 YES							
L0001907	0	0.26709E-03	477976.9	3748427.4	451.0	4.00	3.95
1.86 YES							
L0001908	0	0.26709E-03	477980.9	3748419.9	451.0	4.00	3.95
1.86 YES							
L0001909	0	0.26709E-03	477984.9	3748412.4	451.0	4.00	3.95
1.86 YES							
L0001910	0	0.26709E-03	477988.9	3748404.9	451.0	4.00	3.95
1.86 YES							
L0001911	0	0.26709E-03	477992.9	3748397.4	451.0	4.00	3.95
1.86 YES							
L0001912	0	0.26709E-03	477996.9	3748389.9	451.0	4.00	3.95
1.86 YES							
L0001913	0	0.26709E-03	478001.0	3748382.4	451.0	4.00	3.95
1.86 YES							
L0001914	0	0.26709E-03	478005.0	3748375.0	451.0	4.00	3.95
1.86 YES							
L0001915	0	0.26709E-03	478009.0	3748367.5	451.0	4.00	3.95
1.86 YES							
L0001916	0	0.26709E-03	478013.0	3748360.0	451.0	4.00	3.95
1.86 YES							
L0001917	0	0.26709E-03	478017.1	3748352.5	451.0	4.00	3.95
1.86 YES							
L0001918	0	0.26709E-03	478021.7	3748345.4	451.0	4.00	3.95
1.86 YES							
L0001919	0	0.26709E-03	478026.4	3748338.3	451.0	4.00	3.95
1.86 YES							
L0001920	0	0.26709E-03	478033.8	3748336.4	451.0	4.00	3.95
1.86 YES							
L0001921	0	0.26709E-03	478042.3	3748336.5	451.0	4.00	3.95
1.86 YES							

♀ *** AERMOD - VERSION 15181 *** *** C:\Lakes\AERMOD
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 *** AERMET - VERSION 14134 *** ***
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**MODELOPTs: RegDFAULT CONC PAGE 7
 ELEV FLGPOL URBAN

AERMOD LSTs Operational Output

*** VOLUME SOURCE DATA ***

INIT.	URBAN	NUMBER	EMISSION	RATE		BASE	RELEASE	INIT.
SOURCE		EMISSION	RATE					
SZ	SOURCE	PART.	(USER	UNITS)	X	Y	ELEV.	HEIGHT
ID		SCALAR	VARY		(METERS)	(METERS)	(METERS)	(METERS)
(METERS)		CATS.	BY					(METERS)

L0001922		0	0.26709E-03		478050.8	3748336.6	451.0	4.00
1.86	YES							3.95
L0001923		0	0.26709E-03		478059.3	3748336.7	451.0	4.00
1.86	YES							3.95
L0001924		0	0.26709E-03		478067.8	3748336.8	451.0	4.00
1.86	YES							3.95
L0001925		0	0.26709E-03		478076.3	3748336.9	451.0	4.00
1.86	YES							3.95
L0001926		0	0.26709E-03		478084.8	3748337.0	451.0	4.00
1.86	YES							3.95
L0001927		0	0.26709E-03		478093.3	3748337.1	451.0	4.00
1.86	YES							3.95
L0001928		0	0.26709E-03		478101.8	3748337.2	451.0	4.00
1.86	YES							3.95
L0001929		0	0.26709E-03		478110.3	3748337.3	451.0	4.00
1.86	YES							3.95
L0001930		0	0.26709E-03		478118.8	3748337.4	451.0	4.00
1.86	YES							3.95
L0001931		0	0.26709E-03		478127.3	3748337.4	451.0	4.00
1.86	YES							3.95
L0001932		0	0.26709E-03		478135.8	3748337.5	451.0	4.00
1.86	YES							3.95
L0001933		0	0.26709E-03		478144.3	3748337.6	451.0	4.00
1.86	YES							3.95
L0001934		0	0.26709E-03		478152.8	3748337.7	451.0	4.00
1.86	YES							3.95
L0001935		0	0.26709E-03		478161.3	3748337.8	451.0	4.00
1.86	YES							3.95
L0001936		0	0.26709E-03		478169.8	3748337.9	451.0	4.00
1.86	YES							3.95
L0001937		0	0.26709E-03		478178.3	3748338.0	451.0	4.00
1.86	YES							3.95
L0001938		0	0.26709E-03		478186.8	3748338.1	451.0	4.00
1.86	YES							3.95
L0001939		0	0.26709E-03		478195.3	3748338.2	451.0	4.00
1.86	YES							3.95

AERMOD LSTs Operational Output

L0001940	0	0.26709E-03	478203.8	3748338.3	451.0	4.00	3.95
1.86 YES							
L0001941	0	0.26709E-03	478212.3	3748338.4	451.0	4.00	3.95
1.86 YES							
L0001942	0	0.26709E-03	478215.8	3748343.4	451.0	4.00	3.95
1.86 YES							
L0001943	0	0.26709E-03	478215.9	3748351.9	451.0	4.00	3.95
1.86 YES							
L0001944	0	0.26709E-03	478216.0	3748360.4	451.0	4.00	3.95
1.86 YES							
L0001945	0	0.26709E-03	478216.0	3748368.9	451.0	4.00	3.95
1.86 YES							
L0001946	0	0.26709E-03	478216.1	3748377.4	451.0	4.00	3.95
1.86 YES							
L0001947	0	0.26709E-03	478216.1	3748385.9	451.0	4.00	3.95
1.86 YES							
L0001948	0	0.26709E-03	478216.2	3748394.4	451.0	4.00	3.95
1.86 YES							
L0001949	0	0.26709E-03	478216.3	3748402.9	451.0	4.00	3.95
1.86 YES							
L0001950	0	0.26709E-03	478216.3	3748411.4	451.0	4.00	3.95
1.86 YES							
L0001951	0	0.26709E-03	478216.4	3748419.9	451.0	4.00	3.95
1.86 YES							
L0001952	0	0.26709E-03	478216.4	3748428.4	451.0	4.00	3.95
1.86 YES							
L0001953	0	0.26709E-03	478216.5	3748436.9	451.0	4.00	3.95
1.86 YES							
L0001954	0	0.26709E-03	478216.6	3748445.4	451.0	4.00	3.95
1.86 YES							
L0001955	0	0.26709E-03	478216.6	3748453.9	451.0	4.00	3.95
1.86 YES							
L0001956	0	0.26709E-03	478216.7	3748462.4	451.0	4.00	3.95
1.86 YES							
L0001957	0	0.26709E-03	478216.7	3748470.9	451.1	4.00	3.95
1.86 YES							
L0001958	0	0.26709E-03	478216.8	3748479.4	451.2	4.00	3.95
1.86 YES							
L0001959	0	0.26709E-03	478216.9	3748487.9	451.3	4.00	3.95
1.86 YES							
L0001960	0	0.26709E-03	478216.9	3748496.4	451.5	4.00	3.95
1.86 YES							
L0001961	0	0.26709E-03	478217.0	3748504.9	451.7	4.00	3.95
1.86 YES							

*** AERMOD - VERSION 15181 *** *** C:\Lakes\AERMOD
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 *** AERMET - VERSION 14134 *** ***
 *** 12:26:14

AERMOD LSTs Operational Output

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**MODELOPTs:  RegDFAULT  CONC          ELEV          FLGPOL          URBAN
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*** VOLUME SOURCE DATA ***

INIT.	URBAN	NUMBER	EMISSION	RATE		BASE	RELEASE	INIT.		
SOURCE	EMISSION	RATE	PART.	(USER	UNITS)	X	Y	ELEV.	HEIGHT	SY
SZ	SOURCE	SCALAR	VARY							
ID	CATS.			(METERS)	(METERS)	(METERS)	(METERS)	(METERS)	(METERS)	(METERS)
(METERS)		BY								

L0001962	0	0.26709E-03	478217.0	3748513.4	451.9	4.00	3.95
1.86 YES							
L0001963	0	0.26709E-03	478217.1	3748521.9	452.0	4.00	3.95
1.86 YES							
L0001964	0	0.26709E-03	478217.2	3748530.4	452.0	4.00	3.95
1.86 YES							
L0001965	0	0.26709E-03	478217.2	3748538.9	452.0	4.00	3.95
1.86 YES							
L0001966	0	0.26709E-03	478217.3	3748547.4	452.0	4.00	3.95
1.86 YES							
L0001967	0	0.26709E-03	478217.3	3748555.9	452.0	4.00	3.95
1.86 YES							
L0001968	0	0.26709E-03	478217.4	3748564.4	452.0	4.00	3.95
1.86 YES							
L0001969	0	0.26709E-03	478217.5	3748572.9	452.0	4.00	3.95
1.86 YES							
L0001970	0	0.26709E-03	478217.5	3748581.4	452.0	4.00	3.95
1.86 YES							
L0001971	0	0.26709E-03	478217.6	3748589.9	452.0	4.00	3.95
1.86 YES							
L0001972	0	0.26709E-03	478217.7	3748598.4	452.0	4.00	3.95
1.86 YES							
L0001973	0	0.26709E-03	478217.7	3748606.9	452.0	4.00	3.95
1.86 YES							
L0001974	0	0.26709E-03	478217.8	3748615.4	452.0	4.00	3.95
1.86 YES							
L0001975	0	0.26709E-03	478217.8	3748623.9	452.0	4.00	3.95
1.86 YES							
L0001976	0	0.26709E-03	478217.9	3748632.4	452.0	4.00	3.95
1.86 YES							
L0001977	0	0.26709E-03	478218.0	3748640.9	452.0	4.00	3.95
1.86 YES							

AERMOD LSTs Operational Output							
L0001978	0	0.26709E-03	478218.0	3748649.4	452.0	4.00	3.95
1.86 YES							
L0001979	0	0.26709E-03	478218.1	3748657.9	452.0	4.00	3.95
1.86 YES							
L0001980	0	0.26709E-03	478218.1	3748666.4	452.0	4.00	3.95
1.86 YES							
L0001981	0	0.26709E-03	478218.2	3748674.9	452.0	4.00	3.95
1.86 YES							
L0001982	0	0.26709E-03	478218.3	3748683.4	452.0	4.00	3.95
1.86 YES							
L0001983	0	0.26709E-03	478218.3	3748691.9	452.0	4.00	3.95
1.86 YES							
L0001984	0	0.26709E-03	478218.4	3748700.4	452.0	4.00	3.95
1.86 YES							
L0001985	0	0.26709E-03	478218.4	3748708.9	452.0	4.00	3.95
1.86 YES							
L0001986	0	0.26709E-03	478218.5	3748717.4	452.0	4.00	3.95
1.86 YES							
L0001987	0	0.26709E-03	478218.6	3748725.9	452.0	4.00	3.95
1.86 YES							
L0001988	0	0.26709E-03	478218.6	3748734.4	452.0	4.00	3.95
1.86 YES							
L0001989	0	0.26709E-03	478218.7	3748742.9	452.0	4.00	3.95
1.86 YES							
L0001990	0	0.26709E-03	478218.7	3748751.4	452.0	4.00	3.95
1.86 YES							
L0001991	0	0.26709E-03	478218.8	3748759.9	452.0	4.00	3.95
1.86 YES							
L0001992	0	0.26709E-03	478218.9	3748768.4	452.0	4.00	3.95
1.86 YES							
L0001993	0	0.26709E-03	478218.9	3748776.9	452.0	4.00	3.95
1.86 YES							
L0001994	0	0.26709E-03	478219.0	3748785.4	452.0	4.00	3.95
1.86 YES							
L0001995	0	0.26709E-03	478219.0	3748793.9	452.2	4.00	3.95
1.86 YES							
L0001996	0	0.26709E-03	478219.1	3748802.4	452.5	4.00	3.95
1.86 YES							
L0001997	0	0.26709E-03	478219.2	3748810.9	452.8	4.00	3.95
1.86 YES							
L0001998	0	0.26709E-03	478219.2	3748819.4	453.0	4.00	3.95
1.86 YES							
L0001999	0	0.26709E-03	478219.3	3748827.9	453.0	4.00	3.95
1.86 YES							
L0002000	0	0.26709E-03	478219.3	3748836.4	453.0	4.00	3.95
1.86 YES							
L0002001	0	0.26709E-03	478219.4	3748844.9	453.0	4.00	3.95
1.86 YES							

AERMOD LSTs Operational Output

♀ *** AERMOD - VERSION 15181 *** *** C:\Lakes\AERMOD
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*** AERMET - VERSION 14134 *** ***
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**MODELOPTs: RegDFAULT CONC PAGE 9
ELEV FLGPOL URBAN

*** VOLUME SOURCE DATA ***

INIT.	URBAN	NUMBER EMISSION RATE	BASE	RELEASE	INIT.
SOURCE	EMISSION RATE				
SZ	PART. (USER UNITS)	X	Y	ELEV.	HEIGHT
ID	SCALAR VARY	(METERS)	(METERS)	(METERS)	(METERS)
(METERS)	CATS.	BY			SY
L0002002	0	0.26709E-03	478219.5	3748853.4	453.0
1.86 YES					4.00
L0002003	0	0.26709E-03	478219.5	3748861.9	453.0
1.86 YES					4.00
L0002004	0	0.26709E-03	478219.6	3748870.4	453.0
1.86 YES					4.00
L0002005	0	0.26709E-03	478219.6	3748878.9	453.0
1.86 YES					4.00
L0002006	0	0.26709E-03	478219.7	3748887.4	453.0
1.86 YES					4.00
L0002007	0	0.26709E-03	478219.8	3748895.9	453.0
1.86 YES					4.00
L0002008	0	0.26709E-03	478219.8	3748904.4	453.0
1.86 YES					4.00
L0002009	0	0.26709E-03	478219.9	3748912.9	453.0
1.86 YES					4.00
L0002010	0	0.26709E-03	478217.5	3748921.1	453.0
1.86 YES					4.00
L0002011	0	0.26709E-03	478215.0	3748929.2	453.0
1.86 YES					4.00
L0002012	0	0.26709E-03	478212.6	3748937.3	453.0
1.86 YES					4.00
L0002013	0	0.26709E-03	478210.1	3748945.4	453.0
1.86 YES					4.00
L0002014	0	0.26709E-03	478207.6	3748953.6	453.0
1.86 YES					4.00
L0002015	0	0.26709E-03	478205.1	3748961.7	453.0
1.86 YES					4.00

AERMOD LSTs Operational Output							
L0002016	0	0.26709E-03	478202.7	3748969.8	453.0	4.00	3.95
1.86 YES							
L0002017	0	0.56881E-04	477852.8	3748835.2	453.0	4.00	3.95
1.86 YES							
L0002018	0	0.56881E-04	477852.8	3748843.7	453.0	4.00	3.95
1.86 YES							
L0002019	0	0.56881E-04	477852.9	3748852.2	453.0	4.00	3.95
1.86 YES							
L0002020	0	0.56881E-04	477852.9	3748860.7	453.0	4.00	3.95
1.86 YES							
L0002021	0	0.56881E-04	477853.0	3748869.2	453.0	4.00	3.95
1.86 YES							
L0002022	0	0.56881E-04	477853.0	3748877.7	453.0	4.00	3.95
1.86 YES							
L0002023	0	0.56881E-04	477853.1	3748886.2	453.0	4.00	3.95
1.86 YES							
L0002024	0	0.56881E-04	477853.1	3748894.7	453.0	4.00	3.95
1.86 YES							
L0002025	0	0.56881E-04	477853.1	3748903.2	453.0	4.00	3.95
1.86 YES							
L0002026	0	0.56881E-04	477853.2	3748911.7	453.0	4.00	3.95
1.86 YES							
L0002027	0	0.56881E-04	477853.2	3748920.2	453.0	4.00	3.95
1.86 YES							
L0002028	0	0.56881E-04	477853.3	3748928.7	453.0	4.00	3.95
1.86 YES							
L0002029	0	0.56881E-04	477853.3	3748937.2	453.0	4.00	3.95
1.86 YES							
L0002030	0	0.56881E-04	477853.4	3748945.7	453.0	4.00	3.95
1.86 YES							
L0002031	0	0.56881E-04	477853.4	3748954.2	453.0	4.00	3.95
1.86 YES							
L0002032	0	0.56881E-04	477853.5	3748962.7	453.0	4.00	3.95
1.86 YES							
L0002033	0	0.56881E-04	477853.5	3748971.2	453.2	4.00	3.95
1.86 YES							
L0002034	0	0.56881E-04	477853.5	3748979.7	453.4	4.00	3.95
1.86 YES							
L0002035	0	0.56881E-04	477845.0	3748979.7	453.5	4.00	3.95
1.86 YES							
L0002036	0	0.56881E-04	477836.5	3748979.6	453.7	4.00	3.95
1.86 YES							
L0002037	0	0.56881E-04	477828.0	3748979.6	453.9	4.00	3.95
1.86 YES							
L0002038	0	0.56881E-04	477819.5	3748979.6	454.0	4.00	3.95
1.86 YES							
L0002039	0	0.56881E-04	477811.0	3748979.6	454.0	4.00	3.95
1.86 YES							

AERMOD LSTs Operational Output

L0002040 0 0.56881E-04 477802.5 3748979.6 454.0 4.00 3.95
1.86 YES

L0002041 0 0.56881E-04 477794.0 3748979.5 454.0 4.00 3.95
1.86 YES

♀ *** AERMOD - VERSION 15181 *** C:\Lakes\AERMOD
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**MODELOPTs: RegDFAULT CONC ELEV FLGPOL URBAN

*** VOLUME SOURCE DATA ***

INIT.	URBAN	NUMBER EMISSION RATE	BASE	RELEASE	INIT.
SOURCE	EMISSION RATE				
SZ	PART. (USER UNITS)	X	Y	ELEV.	HEIGHT
ID	SCALAR VARY	(METERS)	(METERS)	(METERS)	(METERS)
(METERS)	CATS.	BY			

L0002042 0 0.56881E-04 477785.5 3748979.5 454.0 4.00 3.95

1.86 YES

L0002043 0 0.56881E-04 477777.0 3748979.5 454.0 4.00 3.95

1.86 YES

L0002044 0 0.56881E-04 477768.5 3748979.5 454.0 4.00 3.95

1.86 YES

L0002045 0 0.56881E-04 477760.0 3748979.5 454.0 4.00 3.95

1.86 YES

L0002046 0 0.56881E-04 477751.5 3748979.4 454.0 4.00 3.95

1.86 YES

L0002047 0 0.56881E-04 477743.0 3748979.4 454.0 4.00 3.95

1.86 YES

L0002048 0 0.56881E-04 477742.7 3748971.2 454.0 4.00 3.95

1.86 YES

L0002049 0 0.56881E-04 477742.7 3748962.7 454.0 4.00 3.95

1.86 YES

L0002050 0 0.56881E-04 477742.6 3748954.2 454.0 4.00 3.95

1.86 YES

L0002051 0 0.56881E-04 477742.6 3748945.7 454.0 4.00 3.95

1.86 YES

L0002052 0 0.56881E-04 477742.5 3748937.2 454.0 4.00 3.95

1.86 YES

L0002053 0 0.56881E-04 477742.5 3748928.7 453.9 4.00 3.95

1.86 YES

AERMOD LSTs Operational Output							
L0002054	0	0.56881E-04	477742.4	3748920.2	453.8	4.00	3.95
1.86 YES							
L0002055	0	0.56881E-04	477742.4	3748911.7	453.7	4.00	3.95
1.86 YES							
L0002056	0	0.56881E-04	477742.3	3748903.2	453.6	4.00	3.95
1.86 YES							
L0002057	0	0.56881E-04	477742.3	3748894.7	453.6	4.00	3.95
1.86 YES							
L0002058	0	0.56881E-04	477742.2	3748886.2	453.6	4.00	3.95
1.86 YES							
L0002059	0	0.56881E-04	477744.2	3748878.0	453.5	4.00	3.95
1.86 YES							
L0002060	0	0.56881E-04	477746.5	3748869.8	453.6	4.00	3.95
1.86 YES							
L0002061	0	0.56881E-04	477748.8	3748861.6	453.7	4.00	3.95
1.86 YES							
L0002062	0	0.56881E-04	477751.1	3748853.4	453.8	4.00	3.95
1.86 YES							
L0002063	0	0.56881E-04	477753.4	3748845.3	454.0	4.00	3.95
1.86 YES							
L0002064	0	0.56881E-04	477757.5	3748838.2	453.7	4.00	3.95
1.86 YES							
L0002065	0	0.56881E-04	477763.8	3748832.5	453.5	4.00	3.95
1.86 YES							
L0002066	0	0.56881E-04	477770.1	3748826.8	453.2	4.00	3.95
1.86 YES							
L0002067	0	0.56881E-04	477778.6	3748826.5	453.1	4.00	3.95
1.86 YES							
L0002068	0	0.56881E-04	477787.1	3748826.4	453.0	4.00	3.95
1.86 YES							
L0002069	0	0.56881E-04	477795.6	3748826.2	453.0	4.00	3.95
1.86 YES							
L0002070	0	0.56881E-04	477804.1	3748826.1	453.0	4.00	3.95
1.86 YES							
L0002071	0	0.56881E-04	477812.6	3748826.1	453.0	4.00	3.95
1.86 YES							
L0002072	0	0.56881E-04	477821.1	3748826.0	453.0	4.00	3.95
1.86 YES							
L0002073	0	0.56881E-04	477829.6	3748826.0	453.0	4.00	3.95
1.86 YES							
L0002074	0	0.56881E-04	477838.1	3748825.9	453.0	4.00	3.95
1.86 YES							
L0002075	0	0.56881E-04	477846.6	3748825.8	453.0	4.00	3.95
1.86 YES							
L0002076	0	0.44816E-04	477886.6	3748203.7	450.0	4.00	3.95
1.86 YES							
L0002077	0	0.44816E-04	477886.4	3748212.2	450.0	4.00	3.95
1.86 YES							

AERMOD LSTs Operational Output

L0002078	0	0.44816E-04	477886.3	3748220.7	450.1	4.00	3.95
1.86 YES							
L0002079	0	0.44816E-04	477886.1	3748229.2	450.3	4.00	3.95
1.86 YES							
L0002080	0	0.44816E-04	477885.9	3748237.7	450.6	4.00	3.95
1.86 YES							
L0002081	0	0.44816E-04	477885.7	3748246.2	450.8	4.00	3.95
1.86 YES							

♀ *** AERMOD - VERSION 15181 *** *** C:\Lakes\AERMOD
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 **MODELOPTs: RegDFAULT CONC ELEV FLGPOL URBAN

*** VOLUME SOURCE DATA ***

INIT.	URBAN	NUMBER EMISSION RATE			BASE	RELEASE	INIT.
SOURCE		EMISSION RATE					
SZ	SOURCE	PART. (USER UNITS)	X	Y	ELEV.	HEIGHT	SY
ID		SCALAR VARY					
(METERS)		CATS.	(METERS)	(METERS)	(METERS)	(METERS)	(METERS)
		BY					

L0002082	0	0.44816E-04	477885.5	3748254.7	450.9	4.00	3.95
1.86 YES							
L0002083	0	0.44816E-04	477885.6	3748263.2	450.9	4.00	3.95
1.86 YES							
L0002084	0	0.44816E-04	477885.7	3748271.7	451.0	4.00	3.95
1.86 YES							
L0002085	0	0.44816E-04	477885.8	3748280.2	451.0	4.00	3.95
1.86 YES							
L0002086	0	0.44816E-04	477885.9	3748288.7	451.0	4.00	3.95
1.86 YES							
L0002087	0	0.44816E-04	477886.0	3748297.2	451.0	4.00	3.95
1.86 YES							
L0002088	0	0.44816E-04	477886.1	3748305.7	451.0	4.00	3.95
1.86 YES							
L0002089	0	0.44816E-04	477886.2	3748314.2	451.0	4.00	3.95
1.86 YES							
L0002090	0	0.44816E-04	477886.3	3748322.7	451.0	4.00	3.95
1.86 YES							
L0002091	0	0.44816E-04	477886.4	3748331.2	451.0	4.00	3.95
1.86 YES							

AERMOD LSTs Operational Output							
L0002092	0	0.44816E-04	477889.0	3748337.4	451.0	4.00	3.95
1.86 YES							
L0002093	0	0.44816E-04	477897.5	3748338.1	451.0	4.00	3.95
1.86 YES							
L0002094	0	0.44816E-04	477906.0	3748338.9	451.0	4.00	3.95
1.86 YES							
L0002095	0	0.44816E-04	477914.4	3748339.7	451.0	4.00	3.95
1.86 YES							
L0002096	0	0.44816E-04	477922.9	3748339.5	451.0	4.00	3.95
1.86 YES							
L0002097	0	0.44816E-04	477931.4	3748338.9	451.0	4.00	3.95
1.86 YES							
L0002098	0	0.44816E-04	477939.8	3748338.2	451.0	4.00	3.95
1.86 YES							
L0002099	0	0.44816E-04	477945.5	3748332.6	451.0	4.00	3.95
1.86 YES							
L0002100	0	0.44816E-04	477950.6	3748325.7	451.0	4.00	3.95
1.86 YES							
L0002101	0	0.44816E-04	477955.0	3748318.5	450.0	4.00	3.95
1.86 YES							
L0002102	0	0.44816E-04	477959.4	3748311.2	450.0	4.00	3.95
1.86 YES							
L0002103	0	0.44816E-04	477963.8	3748303.9	450.0	4.00	3.95
1.86 YES							
L0002104	0	0.44816E-04	477968.2	3748296.7	450.0	4.00	3.95
1.86 YES							
L0002105	0	0.44816E-04	477972.6	3748289.4	450.0	4.00	3.95
1.86 YES							
L0002106	0	0.44816E-04	477975.8	3748281.7	450.0	4.00	3.95
1.86 YES							
L0002107	0	0.44816E-04	477977.7	3748273.4	450.0	4.00	3.95
1.86 YES							
L0002108	0	0.44816E-04	477979.6	3748265.1	450.0	4.00	3.95
1.86 YES							
L0002109	0	0.44816E-04	477981.3	3748256.8	450.0	4.00	3.95
1.86 YES							
L0002110	0	0.44816E-04	477980.6	3748248.3	450.0	4.00	3.95
1.86 YES							
L0002111	0	0.44816E-04	477979.9	3748239.8	450.0	4.00	3.95
1.86 YES							
L0002112	0	0.44816E-04	477979.2	3748231.4	450.0	4.00	3.95
1.86 YES							
L0002113	0	0.44816E-04	477978.4	3748222.9	450.0	4.00	3.95
1.86 YES							
L0002114	0	0.44816E-04	477982.6	3748217.0	450.0	4.00	3.95
1.86 YES							
L0002115	0	0.44816E-04	477990.0	3748212.7	450.0	4.00	3.95
1.86 YES							

AERMOD LSTs Operational Output

L0002116	0	0.44816E-04	477994.0	3748206.5	450.0	4.00	3.95
1.86 YES							
L0002117	0	0.44816E-04	477994.1	3748198.0	450.0	4.00	3.95
1.86 YES							
L0002118	0	0.44816E-04	477986.1	3748197.5	450.0	4.00	3.95
1.86 YES							
L0002119	0	0.44816E-04	477977.6	3748197.5	450.0	4.00	3.95
1.86 YES							
L0002120	0	0.44816E-04	477969.1	3748197.5	450.0	4.00	3.95
1.86 YES							
L0002121	0	0.44816E-04	477960.6	3748197.5	450.0	4.00	3.95
1.86 YES							

♀ *** AERMOD - VERSION 15181 *** *** C:\Lakes\AERMOD
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***MODELOPTs: RegDFAULT CONC PAGE 12
ELEV FLGPOL URBAN

*** VOLUME SOURCE DATA ***

INIT.	URBAN	NUMBER EMISSION RATE	BASE	RELEASE	INIT.
SOURCE	SCALAR VARY	PART. (USER UNITS)	X	Y	SY
SZ	ID	CATS.	(METERS)	(METERS)	(METERS)
(METERS)	BY				

L0002122	0	0.44816E-04	477952.1	3748197.5	450.0	4.00	3.95
1.86 YES							
L0002123	0	0.44816E-04	477943.6	3748197.5	450.0	4.00	3.95
1.86 YES							
L0002124	0	0.44816E-04	477935.1	3748197.5	450.0	4.00	3.95
1.86 YES							
L0002125	0	0.76500E-04	477505.1	3748975.7	454.2	4.00	3.95
1.86 YES							
L0002126	0	0.76500E-04	477513.6	3748975.6	454.1	4.00	3.95
1.86 YES							
L0002127	0	0.76500E-04	477522.1	3748975.4	454.0	4.00	3.95
1.86 YES							
L0002128	0	0.76500E-04	477530.6	3748975.2	454.0	4.00	3.95
1.86 YES							
L0002129	0	0.76500E-04	477539.1	3748975.1	454.0	4.00	3.95
1.86 YES							

AERMOD LSTs Operational Output							
L0002130	0	0.76500E-04	477547.6	3748974.9	454.0	4.00	3.95
1.86 YES							
L0002131	0	0.76500E-04	477556.1	3748974.7	454.0	4.00	3.95
1.86 YES							
L0002132	0	0.76500E-04	477564.6	3748974.6	454.0	4.00	3.95
1.86 YES							
L0002133	0	0.76500E-04	477573.1	3748974.4	454.0	4.00	3.95
1.86 YES							
L0002134	0	0.76500E-04	477581.6	3748974.2	454.0	4.00	3.95
1.86 YES							
L0002135	0	0.76500E-04	477590.1	3748974.1	454.0	4.00	3.95
1.86 YES							
L0002136	0	0.76500E-04	477598.5	3748973.8	454.0	4.00	3.95
1.86 YES							
L0002137	0	0.76500E-04	477605.4	3748968.8	454.0	4.00	3.95
1.86 YES							
L0002138	0	0.76500E-04	477611.1	3748963.0	454.0	4.00	3.95
1.86 YES							
L0002139	0	0.76500E-04	477613.4	3748954.9	454.0	4.00	3.95
1.86 YES							
L0002140	0	0.76500E-04	477615.7	3748946.7	454.0	4.00	3.95
1.86 YES							
L0002141	0	0.76500E-04	477618.0	3748938.5	454.0	4.00	3.95
1.86 YES							
L0002142	0	0.76500E-04	477620.0	3748930.2	454.0	4.00	3.95
1.86 YES							
L0002143	0	0.76500E-04	477621.7	3748921.9	454.0	4.00	3.95
1.86 YES							
L0002144	0	0.76500E-04	477623.4	3748913.6	454.0	4.00	3.95
1.86 YES							
L0002145	0	0.76500E-04	477625.1	3748905.3	454.0	4.00	3.95
1.86 YES							
L0002146	0	0.76500E-04	477626.2	3748896.9	454.0	4.00	3.95
1.86 YES							
L0002147	0	0.76500E-04	477626.4	3748888.4	454.0	4.00	3.95
1.86 YES							
L0002148	0	0.76500E-04	477626.5	3748879.9	454.0	4.00	3.95
1.86 YES							
L0002149	0	0.76500E-04	477626.6	3748871.4	454.0	4.00	3.95
1.86 YES							
L0002150	0	0.76500E-04	477626.7	3748862.9	454.0	4.00	3.95
1.86 YES							
L0002151	0	0.76500E-04	477626.8	3748854.4	454.0	4.00	3.95
1.86 YES							
L0002152	0	0.76500E-04	477626.9	3748845.9	454.0	4.00	3.95
1.86 YES							
L0002153	0	0.76500E-04	477627.0	3748837.4	454.0	4.00	3.95
1.86 YES							

AERMOD LSTs Operational Output

L0002154	0	0.76500E-04	477627.1	3748828.9	454.0	4.00	3.95
1.86 YES							
L0002155	0	0.76500E-04	477627.2	3748820.4	454.0	4.00	3.95
1.86 YES							
L0002156	0	0.76500E-04	477627.3	3748811.9	454.0	4.00	3.95
1.86 YES							
L0002157	0	0.76500E-04	477627.5	3748803.4	454.0	4.00	3.95
1.86 YES							
L0002158	0	0.76500E-04	477627.0	3748795.5	454.0	4.00	3.95
1.86 YES							
L0002159	0	0.76500E-04	477618.5	3748795.7	454.0	4.00	3.95
1.86 YES							
L0002160	0	0.76500E-04	477610.0	3748795.9	454.0	4.00	3.95
1.86 YES							
L0002161	0	0.76500E-04	477601.5	3748796.2	454.0	4.00	3.95
1.86 YES							

♀ *** AERMOD - VERSION 15181 *** *** C:\Lakes\AERMOD
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 **MODELOPTs: RegDFAULT CONC ELEV FLGPOL URBAN

*** VOLUME SOURCE DATA ***

INIT.	URBAN	NUMBER EMISSION RATE	BASE	RELEASE	INIT.
SOURCE	EMISSION RATE				
SZ	PART. (USER UNITS)	X	Y	ELEV.	HEIGHT
ID	SCALAR VARY	(METERS)	(METERS)	(METERS)	(METERS)
(METERS)	CATS.	BY			

L0002162	0	0.76500E-04	477593.0	3748796.4	454.0	4.00	3.95
1.86 YES							
L0002163	0	0.76500E-04	477584.5	3748796.6	454.0	4.00	3.95
1.86 YES							
L0002164	0	0.76500E-04	477576.0	3748796.9	454.0	4.00	3.95
1.86 YES							
L0002165	0	0.76500E-04	477567.5	3748797.1	454.0	4.00	3.95
1.86 YES							
L0002166	0	0.76500E-04	477559.0	3748797.3	454.0	4.00	3.95
1.86 YES							
L0002167	0	0.76500E-04	477550.5	3748797.5	454.0	4.00	3.95
1.86 YES							

AERMOD LSTs Operational Output							
L0002168	0	0.76500E-04	477542.0	3748797.8	454.0	4.00	3.95
1.86 YES							
L0002169	0	0.76500E-04	477533.5	3748798.0	454.0	4.00	3.95
1.86 YES							
L0002170	0	0.76500E-04	477525.0	3748798.2	454.0	4.00	3.95
1.86 YES							
L0002171	0	0.76500E-04	477516.5	3748798.5	454.0	4.00	3.95
1.86 YES							
L0002172	0	0.76500E-04	477508.0	3748798.7	454.0	4.00	3.95
1.86 YES							
L0002173	0	0.76500E-04	477499.5	3748798.9	454.0	4.00	3.95
1.86 YES							
L0002174	0	0.76500E-04	477491.0	3748799.2	454.0	4.00	3.95
1.86 YES							
L0002175	0	0.21611E-03	477922.3	3748920.1	453.0	0.00	3.95
1.40 YES							
L0002176	0	0.21611E-03	477921.9	3748928.6	453.0	0.00	3.95
1.40 YES							
L0002177	0	0.21611E-03	477921.5	3748937.1	453.0	0.00	3.95
1.40 YES							
L0002178	0	0.21611E-03	477921.1	3748945.6	453.0	0.00	3.95
1.40 YES							
L0002179	0	0.21611E-03	477920.7	3748954.1	453.0	0.00	3.95
1.40 YES							
L0002180	0	0.21611E-03	477927.7	3748955.6	453.0	0.00	3.95
1.40 YES							
L0002181	0	0.21611E-03	477936.2	3748955.6	453.0	0.00	3.95
1.40 YES							
L0002182	0	0.21611E-03	477944.7	3748955.7	453.0	0.00	3.95
1.40 YES							
L0002183	0	0.21611E-03	477953.2	3748955.7	453.0	0.00	3.95
1.40 YES							
L0002184	0	0.21611E-03	477961.7	3748955.8	453.0	0.00	3.95
1.40 YES							
L0002185	0	0.21611E-03	477970.2	3748955.8	453.0	0.00	3.95
1.40 YES							
L0002186	0	0.21611E-03	477978.7	3748955.9	453.0	0.00	3.95
1.40 YES							
L0002187	0	0.21611E-03	477987.2	3748955.9	453.0	0.00	3.95
1.40 YES							
L0002188	0	0.21611E-03	477995.7	3748956.0	453.0	0.00	3.95
1.40 YES							
L0002189	0	0.21611E-03	478004.2	3748956.1	453.0	0.00	3.95
1.40 YES							
L0002190	0	0.21611E-03	478012.7	3748956.1	453.0	0.00	3.95
1.40 YES							
L0002191	0	0.21611E-03	478021.2	3748956.2	453.0	0.00	3.95
1.40 YES							

AERMOD LSTs Operational Output

L0002192	0	0.21611E-03	478029.7	3748956.2	453.0	0.00	3.95
1.40 YES							
L0002193	0	0.21611E-03	478038.2	3748956.3	453.0	0.00	3.95
1.40 YES							
L0002194	0	0.21611E-03	478046.7	3748956.3	453.0	0.00	3.95
1.40 YES							
L0002195	0	0.21611E-03	478055.2	3748956.4	453.0	0.00	3.95
1.40 YES							
L0002196	0	0.21611E-03	478063.7	3748956.4	453.0	0.00	3.95
1.40 YES							
L0002197	0	0.21611E-03	478072.2	3748956.5	453.0	0.00	3.95
1.40 YES							
L0002198	0	0.21611E-03	478080.7	3748956.5	453.0	0.00	3.95
1.40 YES							
L0002199	0	0.21611E-03	478089.2	3748956.6	453.0	0.00	3.95
1.40 YES							
L0002200	0	0.21611E-03	478097.7	3748956.6	453.0	0.00	3.95
1.40 YES							
L0002201	0	0.21611E-03	478106.2	3748956.7	453.0	0.00	3.95
1.40 YES							

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 ELEV FLGPOL URBAN

*** VOLUME SOURCE DATA ***

INIT.	URBAN	NUMBER EMISSION RATE	BASE	RELEASE	INIT.
SOURCE	EMISSION RATE				
SZ	PART. (USER UNITS)	X	Y	ELEV.	HEIGHT
ID	SCALAR VARY	(METERS)	(METERS)	(METERS)	(METERS)
(METERS)	CATS.				
	BY				
- - - - -					
- - - - -					

L0002202	0	0.21611E-03	478114.7	3748956.7	453.0	0.00	3.95
1.40 YES							
L0002203	0	0.21611E-03	478123.2	3748956.8	453.0	0.00	3.95
1.40 YES							
L0002204	0	0.21611E-03	478131.7	3748956.8	453.0	0.00	3.95
1.40 YES							
L0002205	0	0.21611E-03	478140.2	3748956.9	453.0	0.00	3.95
1.40 YES							

AERMOD LSTs Operational Output							
L0002206	0	0.21611E-03	478148.7	3748956.9	453.0	0.00	3.95
1.40 YES							
L0002207	0	0.21611E-03	478157.2	3748957.0	453.0	0.00	3.95
1.40 YES							
L0002208	0	0.21611E-03	478165.7	3748957.0	453.0	0.00	3.95
1.40 YES							
L0002209	0	0.21611E-03	478174.2	3748957.1	453.0	0.00	3.95
1.40 YES							
L0002210	0	0.21611E-03	478182.7	3748957.1	453.0	0.00	3.95
1.40 YES							
L0002211	0	0.21611E-03	478191.2	3748957.2	453.0	0.00	3.95
1.40 YES							
L0002212	0	0.21611E-03	478199.7	3748957.2	453.0	0.00	3.95
1.40 YES							
L0002213	0	0.21611E-03	478208.2	3748957.3	453.0	0.00	3.95
1.40 YES							
L0002214	0	0.21611E-03	478216.7	3748957.3	453.0	0.00	3.95
1.40 YES							
L0002215	0	0.21611E-03	478225.0	3748957.2	453.0	0.00	3.95
1.40 YES							
L0002216	0	0.21611E-03	478225.0	3748948.7	453.0	0.00	3.95
1.40 YES							
L0002217	0	0.21611E-03	478225.0	3748940.2	453.0	0.00	3.95
1.40 YES							
L0002218	0	0.21611E-03	478225.0	3748931.7	453.0	0.00	3.95
1.40 YES							
L0002219	0	0.21611E-03	478225.0	3748923.2	453.0	0.00	3.95
1.40 YES							
L0002220	0	0.81667E-04	477922.3	3748920.1	453.0	0.00	3.95
1.40 YES							
L0002221	0	0.81667E-04	477921.9	3748928.6	453.0	0.00	3.95
1.40 YES							
L0002222	0	0.81667E-04	477921.5	3748937.1	453.0	0.00	3.95
1.40 YES							
L0002223	0	0.81667E-04	477921.1	3748945.6	453.0	0.00	3.95
1.40 YES							
L0002224	0	0.81667E-04	477920.7	3748954.1	453.0	0.00	3.95
1.40 YES							
L0002225	0	0.81667E-04	477927.7	3748955.6	453.0	0.00	3.95
1.40 YES							
L0002226	0	0.81667E-04	477936.2	3748955.6	453.0	0.00	3.95
1.40 YES							
L0002227	0	0.81667E-04	477944.7	3748955.7	453.0	0.00	3.95
1.40 YES							
L0002228	0	0.81667E-04	477953.2	3748955.7	453.0	0.00	3.95
1.40 YES							
L0002229	0	0.81667E-04	477961.7	3748955.8	453.0	0.00	3.95
1.40 YES							

AERMOD LSTs Operational Output

L0002230	0	0.81667E-04	477970.2	3748955.8	453.0	0.00	3.95
1.40 YES							
L0002231	0	0.81667E-04	477978.7	3748955.9	453.0	0.00	3.95
1.40 YES							
L0002232	0	0.81667E-04	477987.2	3748955.9	453.0	0.00	3.95
1.40 YES							
L0002233	0	0.81667E-04	477995.7	3748956.0	453.0	0.00	3.95
1.40 YES							
L0002234	0	0.81667E-04	478004.2	3748956.1	453.0	0.00	3.95
1.40 YES							
L0002235	0	0.81667E-04	478012.7	3748956.1	453.0	0.00	3.95
1.40 YES							
L0002236	0	0.81667E-04	478021.2	3748956.2	453.0	0.00	3.95
1.40 YES							
L0002237	0	0.81667E-04	478029.7	3748956.2	453.0	0.00	3.95
1.40 YES							
L0002238	0	0.81667E-04	478038.2	3748956.3	453.0	0.00	3.95
1.40 YES							
L0002239	0	0.81667E-04	478046.7	3748956.3	453.0	0.00	3.95
1.40 YES							
L0002240	0	0.81667E-04	478055.2	3748956.4	453.0	0.00	3.95
1.40 YES							
L0002241	0	0.81667E-04	478063.7	3748956.4	453.0	0.00	3.95
1.40 YES							

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 *** AERMET - VERSION 14134 *** ***
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***MODELOPTs: RegDFAULT CONC PAGE 15
 ELEV FLGPOL URBAN

*** VOLUME SOURCE DATA ***

INIT.	URBAN	NUMBER EMISSION RATE	BASE	RELEASE	INIT.
SOURCE	SCALAR VARY	PART. (USER UNITS)	X	Y	SY
SZ	ID	CATS.	(METERS)	(METERS)	(METERS)
(METERS)	BY				

L0002242	0	0.81667E-04	478072.2	3748956.5	453.0	0.00	3.95
1.40 YES							
L0002243	0	0.81667E-04	478080.7	3748956.5	453.0	0.00	3.95
1.40 YES							

AERMOD LSTs Operational Output							
L0002244	0	0.81667E-04	478089.2	3748956.6	453.0	0.00	3.95
1.40 YES							
L0002245	0	0.81667E-04	478097.7	3748956.6	453.0	0.00	3.95
1.40 YES							
L0002246	0	0.81667E-04	478106.2	3748956.7	453.0	0.00	3.95
1.40 YES							
L0002247	0	0.81667E-04	478114.7	3748956.7	453.0	0.00	3.95
1.40 YES							
L0002248	0	0.81667E-04	478123.2	3748956.8	453.0	0.00	3.95
1.40 YES							
L0002249	0	0.81667E-04	478131.7	3748956.8	453.0	0.00	3.95
1.40 YES							
L0002250	0	0.81667E-04	478140.2	3748956.9	453.0	0.00	3.95
1.40 YES							
L0002251	0	0.81667E-04	478148.7	3748956.9	453.0	0.00	3.95
1.40 YES							
L0002252	0	0.81667E-04	478157.2	3748957.0	453.0	0.00	3.95
1.40 YES							
L0002253	0	0.81667E-04	478165.7	3748957.0	453.0	0.00	3.95
1.40 YES							
L0002254	0	0.81667E-04	478174.2	3748957.1	453.0	0.00	3.95
1.40 YES							
L0002255	0	0.81667E-04	478182.7	3748957.1	453.0	0.00	3.95
1.40 YES							
L0002256	0	0.81667E-04	478191.2	3748957.2	453.0	0.00	3.95
1.40 YES							
L0002257	0	0.81667E-04	478199.7	3748957.2	453.0	0.00	3.95
1.40 YES							
L0002258	0	0.81667E-04	478208.2	3748957.3	453.0	0.00	3.95
1.40 YES							
L0002259	0	0.81667E-04	478216.7	3748957.3	453.0	0.00	3.95
1.40 YES							
L0002260	0	0.81667E-04	478225.0	3748957.2	453.0	0.00	3.95
1.40 YES							
L0002261	0	0.81667E-04	478225.0	3748948.7	453.0	0.00	3.95
1.40 YES							
L0002262	0	0.81667E-04	478225.0	3748940.2	453.0	0.00	3.95
1.40 YES							
L0002263	0	0.81667E-04	478225.0	3748931.7	453.0	0.00	3.95
1.40 YES							
L0002264	0	0.81667E-04	478225.0	3748923.2	453.0	0.00	3.95
1.40 YES							
L0002265	0	0.60781E-03	478177.4	3748323.4	450.0	0.00	3.95
1.40 YES							
L0002266	0	0.60781E-03	478185.9	3748323.1	450.0	0.00	3.95
1.40 YES							
L0002267	0	0.60781E-03	478194.4	3748322.8	450.0	0.00	3.95
1.40 YES							

AERMOD LSTs Operational Output

L0002268	0	0.60781E-03	478202.9	3748322.5	450.0	0.00	3.95
1.40 YES							
L0002269	0	0.60781E-03	478211.4	3748322.2	450.0	0.00	3.95
1.40 YES							
L0002270	0	0.60781E-03	478219.9	3748321.9	450.0	0.00	3.95
1.40 YES							
L0002271	0	0.60781E-03	478228.4	3748321.6	450.0	0.00	3.95
1.40 YES							
L0002272	0	0.60781E-03	478236.6	3748321.6	450.0	0.00	3.95
1.40 YES							
L0002273	0	0.60781E-03	478236.2	3748330.0	451.0	0.00	3.95
1.40 YES							
L0002274	0	0.60781E-03	478235.7	3748338.5	451.0	0.00	3.95
1.40 YES							
L0002275	0	0.60781E-03	478235.3	3748347.0	451.0	0.00	3.95
1.40 YES							
L0002276	0	0.60781E-03	478234.8	3748355.5	451.0	0.00	3.95
1.40 YES							
L0002277	0	0.60781E-03	478234.4	3748364.0	451.0	0.00	3.95
1.40 YES							
L0002278	0	0.60781E-03	478233.9	3748372.5	451.0	0.00	3.95
1.40 YES							
L0002279	0	0.60781E-03	478233.5	3748381.0	451.0	0.00	3.95
1.40 YES							
L0002280	0	0.60781E-03	478233.0	3748389.5	451.0	0.00	3.95
1.40 YES							
L0002281	0	0.83938E-04	478177.4	3748323.4	450.0	0.00	3.95
1.40 YES							

♀ *** AERMOD - VERSION 15181 *** *** C:\Lakes\AERMOD
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**MODELOPTs: RegDFAULT CONC PAGE 16
ELEV FLGPOL URBAN

*** VOLUME SOURCE DATA ***

INIT.	URBAN	NUMBER EMISSION RATE	BASE	RELEASE	INIT.
SOURCE	EMISSION RATE				
SZ	PART. (USER UNITS)	X	Y	ELEV.	HEIGHT
ID	SCALAR VARY	(METERS)	(METERS)	(METERS)	(METERS)
(METERS)	CATS.				(METERS)
	BY				
-	-	-	-	-	-
-	-	-	-	-	-

AERMOD LSTs Operational Output							
L0002282	0	0.83938E-04	478185.9	3748323.1	450.0	0.00	3.95
1.40 YES							
L0002283	0	0.83938E-04	478194.4	3748322.8	450.0	0.00	3.95
1.40 YES							
L0002284	0	0.83938E-04	478202.9	3748322.5	450.0	0.00	3.95
1.40 YES							
L0002285	0	0.83938E-04	478211.4	3748322.2	450.0	0.00	3.95
1.40 YES							
L0002286	0	0.83938E-04	478219.9	3748321.9	450.0	0.00	3.95
1.40 YES							
L0002287	0	0.83938E-04	478228.4	3748321.6	450.0	0.00	3.95
1.40 YES							
L0002288	0	0.83938E-04	478236.6	3748321.6	450.0	0.00	3.95
1.40 YES							
L0002289	0	0.83938E-04	478236.2	3748330.0	451.0	0.00	3.95
1.40 YES							
L0002290	0	0.83938E-04	478235.7	3748338.5	451.0	0.00	3.95
1.40 YES							
L0002291	0	0.83938E-04	478235.3	3748347.0	451.0	0.00	3.95
1.40 YES							
L0002292	0	0.83938E-04	478234.8	3748355.5	451.0	0.00	3.95
1.40 YES							
L0002293	0	0.83938E-04	478234.4	3748364.0	451.0	0.00	3.95
1.40 YES							
L0002294	0	0.83938E-04	478233.9	3748372.5	451.0	0.00	3.95
1.40 YES							
L0002295	0	0.83938E-04	478233.5	3748381.0	451.0	0.00	3.95
1.40 YES							
L0002296	0	0.83938E-04	478233.0	3748389.5	451.0	0.00	3.95
1.40 YES							
L0001660	0	0.29942E-03	477744.0	3748980.7	454.0	0.00	3.95
1.40 YES							
L0001661	0	0.29942E-03	477752.5	3748980.8	454.0	0.00	3.95
1.40 YES							
L0001662	0	0.29942E-03	477761.0	3748980.8	454.0	0.00	3.95
1.40 YES							
L0001663	0	0.29942E-03	477769.5	3748980.9	454.0	0.00	3.95
1.40 YES							
L0001664	0	0.29942E-03	477777.9	3748981.0	454.0	0.00	3.95
1.40 YES							
L0001665	0	0.29942E-03	477786.4	3748981.0	454.0	0.00	3.95
1.40 YES							
L0001666	0	0.29942E-03	477794.9	3748981.1	454.0	0.00	3.95
1.40 YES							
L0001667	0	0.29942E-03	477803.4	3748981.2	454.0	0.00	3.95
1.40 YES							
L0001668	0	0.29942E-03	477811.9	3748981.3	454.0	0.00	3.95
1.40 YES							

AERMOD LSTs Operational Output

L0001669	0	0.29942E-03	477820.4	3748981.3	454.0	0.00	3.95
1.40 YES							
L0001670	0	0.29942E-03	477828.9	3748981.4	453.9	0.00	3.95
1.40 YES							
L0001671	0	0.29942E-03	477837.4	3748981.5	453.7	0.00	3.95
1.40 YES							
L0001672	0	0.29942E-03	477845.9	3748981.6	453.6	0.00	3.95
1.40 YES							
L0001673	0	0.29942E-03	477854.0	3748981.2	453.5	0.00	3.95
1.40 YES							
L0001674	0	0.29942E-03	477854.0	3748972.7	453.2	0.00	3.95
1.40 YES							
L0001675	0	0.29942E-03	477853.9	3748964.2	453.0	0.00	3.95
1.40 YES							
L0001676	0	0.29942E-03	477853.8	3748955.7	453.0	0.00	3.95
1.40 YES							
L0001677	0	0.29942E-03	477853.7	3748947.2	453.0	0.00	3.95
1.40 YES							
L0001678	0	0.29942E-03	477853.6	3748938.7	453.0	0.00	3.95
1.40 YES							
L0001679	0	0.29942E-03	477853.5	3748930.2	453.0	0.00	3.95
1.40 YES							
L0001680	0	0.29942E-03	477853.4	3748921.7	453.0	0.00	3.95
1.40 YES							
L0001681	0	0.29942E-03	477853.4	3748913.2	453.0	0.00	3.95
1.40 YES							
L0001682	0	0.29942E-03	477853.3	3748904.7	453.0	0.00	3.95
1.40 YES							
L0001683	0	0.29942E-03	477853.2	3748896.2	453.0	0.00	3.95
1.40 YES							
L0001684	0	0.29942E-03	477853.1	3748887.7	453.0	0.00	3.95
1.40 YES							

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 **MODELOPTs: RegDFAULT CONC ELEV FLGPOL URBAN

*** VOLUME SOURCE DATA ***

INIT.	URBAN	NUMBER EMISSION RATE	BASE	RELEASE	INIT.
SOURCE	EMISSION RATE				
SZ	PART. (USER UNITS)	X	Y	ELEV.	HEIGHT
SCALAR VARY					
ID	CATS.	(METERS)	(METERS)	(METERS)	(METERS)

AERMOD LSTs Operational Output

(METERS)

BY

- - - - -
- - - - -

L0001685	0	0.29942E-03	477853.0	3748879.2	453.0	0.00	3.95
1.40 YES							
L0001686	0	0.29942E-03	477852.9	3748870.7	453.0	0.00	3.95
1.40 YES							
L0001687	0	0.29942E-03	477852.8	3748862.2	453.0	0.00	3.95
1.40 YES							
L0001688	0	0.29942E-03	477852.8	3748853.7	453.0	0.00	3.95
1.40 YES							
L0001689	0	0.29942E-03	477852.7	3748845.2	453.0	0.00	3.95
1.40 YES							
L0001690	0	0.29942E-03	477852.6	3748836.7	453.0	0.00	3.95
1.40 YES							
L0001691	0	0.77581E-04	477744.0	3748980.7	454.0	0.00	3.95
1.40 YES							
L0001692	0	0.77581E-04	477752.5	3748980.8	454.0	0.00	3.95
1.40 YES							
L0001693	0	0.77581E-04	477761.0	3748980.8	454.0	0.00	3.95
1.40 YES							
L0001694	0	0.77581E-04	477769.5	3748980.9	454.0	0.00	3.95
1.40 YES							
L0001695	0	0.77581E-04	477777.9	3748981.0	454.0	0.00	3.95
1.40 YES							
L0001696	0	0.77581E-04	477786.4	3748981.0	454.0	0.00	3.95
1.40 YES							
L0001697	0	0.77581E-04	477794.9	3748981.1	454.0	0.00	3.95
1.40 YES							
L0001698	0	0.77581E-04	477803.4	3748981.2	454.0	0.00	3.95
1.40 YES							
L0001699	0	0.77581E-04	477811.9	3748981.3	454.0	0.00	3.95
1.40 YES							
L0001700	0	0.77581E-04	477820.4	3748981.3	454.0	0.00	3.95
1.40 YES							
L0001701	0	0.77581E-04	477828.9	3748981.4	453.9	0.00	3.95
1.40 YES							
L0001702	0	0.77581E-04	477837.4	3748981.5	453.7	0.00	3.95
1.40 YES							
L0001703	0	0.77581E-04	477845.9	3748981.6	453.6	0.00	3.95
1.40 YES							
L0001704	0	0.77581E-04	477854.0	3748981.2	453.5	0.00	3.95
1.40 YES							
L0001705	0	0.77581E-04	477854.0	3748972.7	453.2	0.00	3.95
1.40 YES							
L0001706	0	0.77581E-04	477853.9	3748964.2	453.0	0.00	3.95
1.40 YES							

AERMOD LSTs Operational Output

L0001707	0	0.77581E-04	477853.8	3748955.7	453.0	0.00	3.95
1.40 YES							
L0001708	0	0.77581E-04	477853.7	3748947.2	453.0	0.00	3.95
1.40 YES							
L0001709	0	0.77581E-04	477853.6	3748938.7	453.0	0.00	3.95
1.40 YES							
L0001710	0	0.77581E-04	477853.5	3748930.2	453.0	0.00	3.95
1.40 YES							
L0001711	0	0.77581E-04	477853.4	3748921.7	453.0	0.00	3.95
1.40 YES							
L0001712	0	0.77581E-04	477853.4	3748913.2	453.0	0.00	3.95
1.40 YES							
L0001713	0	0.77581E-04	477853.3	3748904.7	453.0	0.00	3.95
1.40 YES							
L0001714	0	0.77581E-04	477853.2	3748896.2	453.0	0.00	3.95
1.40 YES							
L0001715	0	0.77581E-04	477853.1	3748887.7	453.0	0.00	3.95
1.40 YES							
L0001716	0	0.77581E-04	477853.0	3748879.2	453.0	0.00	3.95
1.40 YES							
L0001717	0	0.77581E-04	477852.9	3748870.7	453.0	0.00	3.95
1.40 YES							
L0001718	0	0.77581E-04	477852.8	3748862.2	453.0	0.00	3.95
1.40 YES							
L0001719	0	0.77581E-04	477852.8	3748853.7	453.0	0.00	3.95
1.40 YES							
L0001720	0	0.77581E-04	477852.7	3748845.2	453.0	0.00	3.95
1.40 YES							
L0001721	0	0.77581E-04	477852.6	3748836.7	453.0	0.00	3.95
1.40 YES							
L0001722	0	0.92163E-03	477934.4	3748197.8	450.0	0.00	3.95
1.40 YES							
L0001723	0	0.92163E-03	477942.9	3748197.7	450.0	0.00	3.95
1.40 YES							
L0001724	0	0.92163E-03	477951.4	3748197.6	450.0	0.00	3.95
1.40 YES							

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ELEV FLGPOL URBAN

*** VOLUME SOURCE DATA ***

NUMBER EMISSION RATE BASE RELEASE INIT.

AERMOD LSTs Operational Output

INIT.	URBAN	EMISSION RATE						
SOURCE		PART.	(USER UNITS)	X	Y	ELEV.	HEIGHT	SY
SZ	SOURCE	SCALAR	VARY					
ID		CATS.	BY	(METERS)	(METERS)	(METERS)	(METERS)	(METERS)
(METERS)								

L0001725		0	0.92163E-03	477959.9	3748197.6	450.0	0.00	3.95
1.40	YES							
L0001726		0	0.92163E-03	477968.4	3748197.5	450.0	0.00	3.95
1.40	YES							
L0001727		0	0.92163E-03	477976.9	3748197.4	450.0	0.00	3.95
1.40	YES							
L0001728		0	0.92163E-03	477985.4	3748197.4	450.0	0.00	3.95
1.40	YES							
L0001729		0	0.92163E-03	477993.9	3748197.3	450.0	0.00	3.95
1.40	YES							
L0002297		0	0.58913E-04	477934.4	3748197.8	450.0	0.00	3.95
1.40	YES							
L0002298		0	0.58913E-04	477942.9	3748197.7	450.0	0.00	3.95
1.40	YES							
L0002299		0	0.58913E-04	477951.4	3748197.6	450.0	0.00	3.95
1.40	YES							
L0002300		0	0.58913E-04	477959.9	3748197.6	450.0	0.00	3.95
1.40	YES							
L0002301		0	0.58913E-04	477968.4	3748197.5	450.0	0.00	3.95
1.40	YES							
L0002302		0	0.58913E-04	477976.9	3748197.4	450.0	0.00	3.95
1.40	YES							
L0002303		0	0.58913E-04	477985.4	3748197.4	450.0	0.00	3.95
1.40	YES							
L0002304		0	0.58913E-04	477993.9	3748197.3	450.0	0.00	3.95
1.40	YES							
L0001738		0	0.10475E-02	477499.5	3748976.4	454.2	0.00	3.95
1.40	YES							
L0001739		0	0.10475E-02	477508.0	3748976.2	454.1	0.00	3.95
1.40	YES							
L0001740		0	0.10475E-02	477516.4	3748976.0	454.0	0.00	3.95
1.40	YES							
L0001741		0	0.10475E-02	477524.9	3748975.8	454.0	0.00	3.95
1.40	YES							
L0001742		0	0.10475E-02	477533.4	3748975.6	454.0	0.00	3.95
1.40	YES							
L0001743		0	0.10475E-02	477541.9	3748975.4	454.0	0.00	3.95
1.40	YES							
L0001744		0	0.10475E-02	477550.4	3748975.2	454.0	0.00	3.95
1.40	YES							

AERMOD LSTs Operational Output

L0001745	0	0.10475E-02	477558.9	3748975.0	454.0	0.00	3.95
1.40 YES							
L0001746	0	0.10475E-02	477567.4	3748974.8	454.0	0.00	3.95
1.40 YES							
L0001747	0	0.10475E-02	477575.9	3748974.6	454.0	0.00	3.95
1.40 YES							
L0001748	0	0.10475E-02	477584.4	3748974.4	454.0	0.00	3.95
1.40 YES							
L0001749	0	0.10475E-02	477592.9	3748974.2	454.0	0.00	3.95
1.40 YES							
L0002305	0	0.11050E-03	477499.5	3748976.4	454.2	0.00	3.95
1.40 YES							
L0002306	0	0.11050E-03	477508.0	3748976.2	454.1	0.00	3.95
1.40 YES							
L0002307	0	0.11050E-03	477516.4	3748976.0	454.0	0.00	3.95
1.40 YES							
L0002308	0	0.11050E-03	477524.9	3748975.8	454.0	0.00	3.95
1.40 YES							
L0002309	0	0.11050E-03	477533.4	3748975.6	454.0	0.00	3.95
1.40 YES							
L0002310	0	0.11050E-03	477541.9	3748975.4	454.0	0.00	3.95
1.40 YES							
L0002311	0	0.11050E-03	477550.4	3748975.2	454.0	0.00	3.95
1.40 YES							
L0002312	0	0.11050E-03	477558.9	3748975.0	454.0	0.00	3.95
1.40 YES							
L0002313	0	0.11050E-03	477567.4	3748974.8	454.0	0.00	3.95
1.40 YES							
L0002314	0	0.11050E-03	477575.9	3748974.6	454.0	0.00	3.95
1.40 YES							
L0002315	0	0.11050E-03	477584.4	3748974.4	454.0	0.00	3.95
1.40 YES							
L0002316	0	0.11050E-03	477592.9	3748974.2	454.0	0.00	3.95
1.40 YES							

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 **MODELOPTs: RegDFAULT CONC ELEV FLGPOL URBAN

*** AREA SOURCE DATA ***

Y-DIM	ORIENT.	NUMBER	EMISSION	RATE	COORD (SW CORNER)	BASE	RELEASE	X-DIM
SOURCE	PART.	INIT.	URBAN	EMISSION	RATE			
		USER	UNITS	X	Y	ELEV.	HEIGHT	OF AREA

AERMOD LSTs Operational Output

OF AREA ID (METERS)	OF AREA CATS. (DEG.)	SZ /METER**2) (METERS)	SOURCE (METERS) BY	SCALAR VARY (METERS)	(METERS)	(METERS)	(METERS)	(METERS)

AREA1	0	0.23237E-06	477895.8	3748485.6	452.0	5.00	75.04
426.52	0.00	0.00	YES				
AREA2	0	0.24601E-06	478189.3	3748386.9	451.0	5.00	57.92
521.96	0.00	0.00	YES				
AREA3	0	0.86212E-06	478027.4	3748303.6	450.0	5.00	143.40
60.16	0.00	0.00	YES				
AREA4	0	0.27038E-06	477696.2	3748836.0	454.0	5.00	72.15
152.50	0.00	0.00	YES				
AREA5	0	0.56524E-06	477967.7	3748183.6	450.0	5.00	61.27
85.90	0.00	0.00	YES				
AREA6	0	0.25324E-06	477599.3	3748788.1	454.0	5.00	65.18
180.23	0.00	0.00	YES				

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**MODELOPTs: RegDFAULT CONC ELEV FLGPOL URBAN

*** SOURCE IDs DEFINING SOURCE GROUPS

SRCGROUP ID

SOURCE IDs

ALL	L0001762	, L0001763	, L0001764	, L0001765	, L0001766	,
L0001767	, L0001768	, L0001769	,			
	L0001770	, L0001771	, L0001772	, L0001773	, L0001774	,
L0001775	, L0001776	, L0001777	,			
	L0001778	, L0001779	, L0001780	, L0001781	, L0001782	,
L0001783	, L0001784	, L0001785	,			
	L0001786	, L0001787	, L0001788	, L0001789	, L0001790	,
L0001791	, L0001792	, L0001793	,			
	L0001794	, L0001795	, L0001796	, L0001797	, L0001798	,
L0001799	, L0001800	, L0001801	,			

AERMOD LSTs Operational Output

L0001807	L0001802 , L0001808	, L0001803 , L0001809	, L0001804 ,	, L0001805	, L0001806	,
L0001815	L0001810 , L0001816	, L0001811 , L0001817	, L0001812 ,	, L0001813	, L0001814	,
L0001823	L0001818 , L0001824	, L0001819 , L0001825	, L0001820 ,	, L0001821	, L0001822	,
L0001831	L0001826 , L0001832	, L0001827 , L0001833	, L0001828 ,	, L0001829	, L0001830	,
L0001839	L0001834 , L0001840	, L0001835 , L0001841	, L0001836 ,	, L0001837	, L0001838	,
L0001847	L0001842 , L0001848	, L0001843 , L0001849	, L0001844 ,	, L0001845	, L0001846	,
L0001855	L0001850 , L0001856	, L0001851 , L0001857	, L0001852 ,	, L0001853	, L0001854	,
L0001863	L0001858 , L0001864	, L0001859 , L0001865	, L0001860 ,	, L0001861	, L0001862	,
L0001871	L0001866 , L0001872	, L0001867 , L0001873	, L0001868 ,	, L0001869	, L0001870	,
L0001879	L0001874 , L0001880	, L0001875 , L0001881	, L0001876 ,	, L0001877	, L0001878	,
L0001887	L0001882 , L0001888	, L0001883 , L0001889	, L0001884 ,	, L0001885	, L0001886	,
L0001895	L0001890 , L0001896	, L0001891 , L0001897	, L0001892 ,	, L0001893	, L0001894	,
L0001903	L0001898 , L0001904	, L0001899 , L0001905	, L0001900 ,	, L0001901	, L0001902	,
L0001911	L0001906 , L0001912	, L0001907 , L0001913	, L0001908 ,	, L0001909	, L0001910	,
L0001919	L0001914 , L0001920	, L0001915 , L0001921	, L0001916 ,	, L0001917	, L0001918	,

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*** AERMET - VERSION 14134 ***

11/03/15

ELEV

FLGPOL

*** SOURCE IDs DEFINING SOURCE GROUPS

L0001927

AERMOD LSTs Operational Output

L0002023	L0002018 , L0002024	, L0002019 , L0002025	, L0002020 ,	, L0002021	, L0002022	,
L0002031	L0002026 , L0002032	, L0002027 , L0002033	, L0002028 ,	, L0002029	, L0002030	,
L0002039	L0002034 , L0002040	, L0002035 , L0002041	, L0002036 ,	, L0002037	, L0002038	,
L0002047	L0002042 , L0002048	, L0002043 , L0002049	, L0002044 ,	, L0002045	, L0002046	,
L0002055	L0002050 , L0002056	, L0002051 , L0002057	, L0002052 ,	, L0002053	, L0002054	,
L0002063	L0002058 , L0002064	, L0002059 , L0002065	, L0002060 ,	, L0002061	, L0002062	,
L0002071	L0002066 , L0002072	, L0002067 , L0002073	, L0002068 ,	, L0002069	, L0002070	,
L0002079	L0002074 , L0002080	, L0002075 , L0002081	, L0002076 ,	, L0002077	, L0002078	,

♀ *** AERMOD - VERSION 15181 *** C:\Lakes\AERMOD
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 **MODELOPTs: RegDFAULT CONC ELEV FLGPOL URBAN

*** SOURCE IDs DEFINING SOURCE GROUPS

SRCGROUP ID

SOURCE IDs

L0002087	L0002082 , L0002088	, L0002083 , L0002089	, L0002084 ,	, L0002085	, L0002086	,
L0002095	L0002090 , L0002096	, L0002091 , L0002097	, L0002092 ,	, L0002093	, L0002094	,
L0002103	L0002098 , L0002104	, L0002099 , L0002105	, L0002100 ,	, L0002101	, L0002102	,

AERMOD LSTs Operational Output

L0002111	L0002106 , L0002112	, L0002107 , L0002113	, L0002108 ,	, L0002109	, L0002110	,
L0002119	L0002114 , L0002120	, L0002115 , L0002121	, L0002116 ,	, L0002117	, L0002118	,
L0002127	L0002122 , L0002128	, L0002123 , L0002129	, L0002124 ,	, L0002125	, L0002126	,
L0002135	L0002130 , L0002136	, L0002131 , L0002137	, L0002132 ,	, L0002133	, L0002134	,
L0002143	L0002138 , L0002144	, L0002139 , L0002145	, L0002140 ,	, L0002141	, L0002142	,
L0002151	L0002146 , L0002152	, L0002147 , L0002153	, L0002148 ,	, L0002149	, L0002150	,
L0002159	L0002154 , L0002160	, L0002155 , L0002161	, L0002156 ,	, L0002157	, L0002158	,
L0002167	L0002162 , L0002168	, L0002163 , L0002169	, L0002164 ,	, L0002165	, L0002166	,
AREA1	L0002170 , AREA2	, L0002171 , AREA3	, L0002172 ,	, L0002173	, L0002174	,
STCK3	AREA4 , STCK4	, AREA5 , STCK5	, AREA6 ,	, STCK1	, STCK2	,
STCK11	STCK6 , STCK12	, STCK7 , STCK13	, STCK8 ,	, STCK9	, STCK10	,
L0002180	L0002175 , L0002181	, L0002176 , L0002182	, L0002177 ,	, L0002178	, L0002179	,
L0002188	L0002183 , L0002189	, L0002184 , L0002190	, L0002185 ,	, L0002186	, L0002187	,
L0002196	L0002191 , L0002197	, L0002192 , L0002198	, L0002193 ,	, L0002194	, L0002195	,
L0002204	L0002199 , L0002205	, L0002200 , L0002206	, L0002201 ,	, L0002202	, L0002203	,
L0002212	L0002207 , L0002213	, L0002208 , L0002214	, L0002209 ,	, L0002210	, L0002211	,

AERMOD LSTs Operational Output

L0002215 , L0002216 , L0002217 , L0002218 , L0002219 ,
 L0002220 , L0002221 , L0002222 ,
 ♀ *** AERMOD - VERSION 15181 *** *** C:\Lakes\AERMOD
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**MODELOPTs: RegDFAULT CONC PAGE 23
 ELEV FLGPOL URBAN

*** SOURCE IDs DEFINING SOURCE GROUPS

SRCGROUP ID	SOURCE IDs
-----	-----
L0002228	L0002223 , L0002224 , L0002225 , L0002226 , L0002227 , , L0002229 , L0002230 ,
L0002236	L0002231 , L0002232 , L0002233 , L0002234 , L0002235 , , L0002237 , L0002238 ,
L0002244	L0002239 , L0002240 , L0002241 , L0002242 , L0002243 , , L0002245 , L0002246 ,
L0002252	L0002247 , L0002248 , L0002249 , L0002250 , L0002251 , , L0002253 , L0002254 ,
L0002260	L0002255 , L0002256 , L0002257 , L0002258 , L0002259 , , L0002261 , L0002262 ,
L0002268	L0002263 , L0002264 , L0002265 , L0002266 , L0002267 , , L0002269 , L0002270 ,
L0002276	L0002271 , L0002272 , L0002273 , L0002274 , L0002275 , , L0002277 , L0002278 ,
L0002284	L0002279 , L0002280 , L0002281 , L0002282 , L0002283 , , L0002285 , L0002286 ,
L0002292	L0002287 , L0002288 , L0002289 , L0002290 , L0002291 , , L0002293 , L0002294 ,
L0001663	L0002295 , L0002296 , L0001660 , L0001661 , L0001662 , , L0001664 , L0001665 ,

AERMOD LSTs Operational Output

L0001671	L0001666 , L0001672	, L0001667 , L0001673	, L0001668 ,	, L0001669	, L0001670	,
L0001679	L0001674 , L0001680	, L0001675 , L0001681	, L0001676 ,	, L0001677	, L0001678	,
L0001687	L0001682 , L0001688	, L0001683 , L0001689	, L0001684 ,	, L0001685	, L0001686	,
L0001695	L0001690 , L0001696	, L0001691 , L0001697	, L0001692 ,	, L0001693	, L0001694	,
L0001703	L0001698 , L0001704	, L0001699 , L0001705	, L0001700 ,	, L0001701	, L0001702	,
L0001711	L0001706 , L0001712	, L0001707 , L0001713	, L0001708 ,	, L0001709	, L0001710	,
L0001719	L0001714 , L0001720	, L0001715 , L0001721	, L0001716 ,	, L0001717	, L0001718	,
L0001727	L0001722 , L0001728	, L0001723 , L0001729	, L0001724 ,	, L0001725	, L0001726	,
L0002302	L0002297 , L0002303	, L0002298 , L0002304	, L0002299 ,	, L0002300	, L0002301	,
L0001743	L0001738 , L0001744	, L0001739 , L0001745	, L0001740 ,	, L0001741	, L0001742	,

♀ *** AERMOD - VERSION 15181 *** C:\Lakes\AERMOD
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**MODELOPTs: RegDFAULT CONC ELEV FLGPOL URBAN

*** SOURCE IDs DEFINING SOURCE GROUPS

SRCGROUP ID

SOURCE IDs

L0002306	L0001746 , L0002307	, L0001747 , L0002308	, L0001748 ,	, L0001749	, L0002305	,

AERMOD LSTs Operational Output

L0002309 , L0002310 , L0002311 , L0002312 , L0002313 ,
 L0002314 , L0002315 , L0002316 ,
 ♀ *** AERMOD - VERSION 15181 *** *** C:\Lakes\AERMOD
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**MODELOPTs: RegDFAULT CONC PAGE 25
 ELEV FLGPOL URBAN

*** SOURCE IDs DEFINED AS URBAN SOURCES

URBAN ID	URBAN POP	SOURCE IDs
-----	-----	-----
L0001766	2100516.	L0001762 , L0001763 , L0001764 , L0001765 ,
L0001769	, L0001767 ,	, L0001768 ,
L0001775	L0001770 , L0001776	, L0001771 , L0001772 , L0001773 , L0001774 ,
L0001783	L0001778 , L0001784	, L0001779 , L0001780 , L0001781 , L0001782 ,
L0001791	L0001786 , L0001792	, L0001787 , L0001788 , L0001789 , L0001790 ,
L0001799	L0001794 , L0001800	, L0001795 , L0001796 , L0001797 , L0001798 ,
L0001807	L0001802 , L0001808	, L0001803 , L0001804 , L0001805 , L0001806 ,
L0001815	L0001810 , L0001816	, L0001811 , L0001812 , L0001813 , L0001814 ,
L0001823	L0001818 , L0001824	, L0001819 , L0001820 , L0001821 , L0001822 ,
L0001831	L0001826 , L0001832	, L0001827 , L0001828 , L0001829 , L0001830 ,
	L0001834 ,	, L0001835 , L0001836 , L0001837 , L0001838 ,

AERMOD LSTs Operational Output

L0001839 , L0001840 , L0001841 ,
 L0001847 , L0001842 , L0001843 , L0001844 , L0001845 , L0001846 ,
 L0001848 , L0001849 ,
 L0001855 , L0001850 , L0001851 , L0001852 , L0001853 , L0001854 ,
 L0001856 , L0001857 ,
 L0001863 , L0001858 , L0001859 , L0001860 , L0001861 , L0001862 ,
 L0001864 , L0001865 ,
 L0001871 , L0001866 , L0001867 , L0001868 , L0001869 , L0001870 ,
 L0001872 , L0001873 ,
 L0001879 , L0001874 , L0001875 , L0001876 , L0001877 , L0001878 ,
 L0001880 , L0001881 ,
 L0001887 , L0001882 , L0001883 , L0001884 , L0001885 , L0001886 ,
 L0001888 , L0001889 ,
 L0001895 , L0001890 , L0001891 , L0001892 , L0001893 , L0001894 ,
 L0001896 , L0001897 ,
 L0001903 , L0001898 , L0001899 , L0001900 , L0001901 , L0001902 ,
 L0001904 , L0001905 ,
 L0001911 , L0001906 , L0001907 , L0001908 , L0001909 , L0001910 ,
 L0001912 , L0001913 ,
 L0001919 , L0001914 , L0001915 , L0001916 , L0001917 , L0001918 ,
 L0001920 , L0001921 ,

♀ *** AERMOD - VERSION 15181 *** C:\Lakes\AERMOD
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**MODELOPTs: RegDFAULT CONC ELEV FLGPOL URBAN

*** SOURCE IDs DEFINED AS URBAN SOURCES

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

L0001922 , L0001923 , L0001924 , L0001925 , L0001926 ,

AERMOD LSTs Operational Output

L0001927	, L0001928	, L0001929	,				
	L0001930	, L0001931	, L0001932	, L0001933	, L0001934	,	
L0001935	, L0001936	, L0001937	,				
	L0001938	, L0001939	, L0001940	, L0001941	, L0001942	,	
L0001943	, L0001944	, L0001945	,				
	L0001946	, L0001947	, L0001948	, L0001949	, L0001950	,	
L0001951	, L0001952	, L0001953	,				
	L0001954	, L0001955	, L0001956	, L0001957	, L0001958	,	
L0001959	, L0001960	, L0001961	,				
	L0001962	, L0001963	, L0001964	, L0001965	, L0001966	,	
L0001967	, L0001968	, L0001969	,				
	L0001970	, L0001971	, L0001972	, L0001973	, L0001974	,	
L0001975	, L0001976	, L0001977	,				
	L0001978	, L0001979	, L0001980	, L0001981	, L0001982	,	
L0001983	, L0001984	, L0001985	,				
	L0001986	, L0001987	, L0001988	, L0001989	, L0001990	,	
L0001991	, L0001992	, L0001993	,				
	L0001994	, L0001995	, L0001996	, L0001997	, L0001998	,	
L0001999	, L0002000	, L0002001	,				
	L0002002	, L0002003	, L0002004	, L0002005	, L0002006	,	
L0002007	, L0002008	, L0002009	,				
	L0002010	, L0002011	, L0002012	, L0002013	, L0002014	,	
L0002015	, L0002016	, L0002017	,				
	L0002018	, L0002019	, L0002020	, L0002021	, L0002022	,	
L0002023	, L0002024	, L0002025	,				
	L0002026	, L0002027	, L0002028	, L0002029	, L0002030	,	
L0002031	, L0002032	, L0002033	,				
	L0002034	, L0002035	, L0002036	, L0002037	, L0002038	,	
L0002039	, L0002040	, L0002041	,				
	L0002042	, L0002043	, L0002044	, L0002045	, L0002046	,	
L0002047	, L0002048	, L0002049	,				
	L0002050	, L0002051	, L0002052	, L0002053	, L0002054	,	

AERMOD LSTs Operational Output

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L0002055      , L0002056      , L0002057      ,
               L0002058      , L0002059      , L0002060      , L0002061      , L0002062      ,
L0002063      , L0002064      , L0002065      ,
               L0002066      , L0002067      , L0002068      , L0002069      , L0002070      ,
L0002071      , L0002072      , L0002073      ,
               L0002074      , L0002075      , L0002076      , L0002077      , L0002078      ,
L0002079      , L0002080      , L0002081      ,
♀ *** AERMOD - VERSION 15181 *** *** C:\Lakes\AERMOD
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**MODELOPTs: RegDFAULT CONC ELEV FLGPOL URBAN

*** SOURCE IDs DEFINED AS URBAN SOURCES

URBAN ID	URBAN POP	SOURCE IDs
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L0002087	L0002082 , L0002083 , L0002084 , L0002085 , L0002086 , L0002087 , L0002088 , L0002089 ,	
L0002095	L0002090 , L0002091 , L0002092 , L0002093 , L0002094 , L0002095 , L0002096 , L0002097 ,	
L0002103	L0002098 , L0002099 , L0002100 , L0002101 , L0002102 , L0002103 , L0002104 , L0002105 ,	
L0002111	L0002106 , L0002107 , L0002108 , L0002109 , L0002110 , L0002111 , L0002112 , L0002113 ,	
L0002119	L0002114 , L0002115 , L0002116 , L0002117 , L0002118 , L0002119 , L0002120 , L0002121 ,	
L0002127	L0002122 , L0002123 , L0002124 , L0002125 , L0002126 , L0002127 , L0002128 , L0002129 ,	
L0002135	L0002130 , L0002131 , L0002132 , L0002133 , L0002134 , L0002135 , L0002136 , L0002137 ,	
	L0002138 , L0002139 , L0002140 , L0002141 , L0002142 ,	

AERMOD LSTs Operational Output

L0002143	, L0002144	, L0002145	,			
L0002151	, L0002152	, L0002153	,	L0002146	, L0002147	, L0002148
L0002159	, L0002160	, L0002161	,	, L0002149	, L0002150	,
L0002167	, L0002168	, L0002169	,	, L0002154	, L0002155	, L0002156
AREA1	, AREA2	, AREA3	,	, L0002157	, L0002158	,
STCK3	, STCK4	, STCK5	,	, L0002162	, L0002163	, L0002164
STCK11	, STCK12	, STCK13	,	, L0002165	, L0002166	,
L0002180	, L0002181	, L0002182	,	, L0002170	, L0002171	, L0002172
L0002188	, L0002189	, L0002190	,	, L0002173	, L0002174	,
L0002196	, L0002197	, L0002198	,	, AREA4	, AREA5	, AREA6
L0002204	, L0002205	, L0002206	,	, STCK1	, STCK2	,
L0002212	, L0002213	, L0002214	,	, STCK3	, STCK4	, STCK5
L0002220	, L0002221	, L0002222	,	, STCK6	, STCK7	, STCK8
				, STCK9	, STCK10	,
				, L0002175	, L0002176	, L0002177
				, L0002178	, L0002179	,
				, L0002183	, L0002184	, L0002185
				, L0002186	, L0002187	,
				, L0002191	, L0002192	, L0002193
				, L0002194	, L0002195	,
				, L0002199	, L0002200	, L0002201
				, L0002202	, L0002203	,
				, L0002207	, L0002208	, L0002209
				, L0002210	, L0002211	,
				, L0002215	, L0002216	, L0002217
				, L0002218	, L0002219	,

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 **MODELOPTs: RegDFAULT CONC ELEV FLGPOL URBAN

*** SOURCE IDs DEFINED AS URBAN SOURCES

AERMOD LSTs Operational Output

URBAN ID -----	URBAN POP -----	SOURCE IDs -----				
L0002228	L0002223 , L0002229	, L0002224 , L0002230	, L0002225 ,	, L0002226	, L0002227	,
L0002236	L0002231 , L0002237	, L0002232 , L0002238	, L0002233 ,	, L0002234	, L0002235	,
L0002244	L0002239 , L0002245	, L0002240 , L0002246	, L0002241 ,	, L0002242	, L0002243	,
L0002252	L0002247 , L0002253	, L0002248 , L0002254	, L0002249 ,	, L0002250	, L0002251	,
L0002260	L0002255 , L0002261	, L0002256 , L0002262	, L0002257 ,	, L0002258	, L0002259	,
L0002268	L0002263 , L0002269	, L0002264 , L0002270	, L0002265 ,	, L0002266	, L0002267	,
L0002276	L0002271 , L0002277	, L0002272 , L0002278	, L0002273 ,	, L0002274	, L0002275	,
L0002284	L0002279 , L0002285	, L0002280 , L0002286	, L0002281 ,	, L0002282	, L0002283	,
L0002292	L0002287 , L0002293	, L0002288 , L0002294	, L0002289 ,	, L0002290	, L0002291	,
L0001663	L0002295 , L0001664	, L0002296 , L0001665	, L0001660 ,	, L0001661	, L0001662	,
L0001671	L0001666 , L0001672	, L0001667 , L0001673	, L0001668 ,	, L0001669	, L0001670	,
L0001679	L0001674 , L0001680	, L0001675 , L0001681	, L0001676 ,	, L0001677	, L0001678	,
L0001687	L0001682 , L0001688	, L0001683 , L0001689	, L0001684 ,	, L0001685	, L0001686	,
L0001695	L0001690 , L0001696	, L0001691 , L0001697	, L0001692 ,	, L0001693	, L0001694	,
	L0001698	, L0001699	, L0001700	, L0001701	, L0001702	,

AERMOD LSTs Operational Output

L0001703 , L0001704 , L0001705 ,
 L0001711 , L0001712 , L0001713 , L0001714 , L0001715 , L0001716 , L0001717 , L0001718 ,
 L0001719 , L0001720 , L0001721 , L0001722 , L0001723 , L0001724 , L0001725 , L0001726 ,
 L0001727 , L0001728 , L0001729 , L0001738 , L0001739 , L0001740 , L0001741 , L0001742 ,
 L0001743 , L0001744 , L0001745 ,

♀ *** AERMOD - VERSION 15181 *** C:\Lakes\AERMOD
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**MODELOPTs: RegDFAULT CONC ELEV FLGPOL URBAN

*** SOURCE IDs DEFINED AS URBAN SOURCES

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

L0002306 , L0001746 , L0001747 , L0001748 , L0001749 , L0002305 ,
 L0002307 , L0002308 ,
 L0002314 , L0002309 , L0002310 , L0002311 , L0002312 , L0002313 ,
 L0002315 , L0002316 ,

♀ *** AERMOD - VERSION 15181 *** C:\Lakes\AERMOD
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**MODELOPTs: RegDFAULT CONC ELEV FLGPOL URBAN

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

AERMOD LSTs Operational Output

```
( 477994.2, 3749818.5, 458.0, 458.0, 2.0); ( 478348.6,
3749820.7, 458.3, 458.3, 2.0);
( 478324.0, 3749446.9, 456.0, 456.0, 2.0); ( 478321.9,
3749107.7, 454.0, 454.0, 2.0);
( 478311.5, 3748947.3, 453.0, 453.0, 2.0); ( 478314.5,
3748704.1, 452.0, 452.0, 2.0);
( 478309.7, 3748401.3, 451.0, 451.0, 2.0); ( 478302.7,
3748248.4, 450.0, 450.0, 2.0);
♀ *** AERMOD - VERSION 15181 *** *** C:\Lakes\AERMOD
View\MVL\OperationalLSTs\CO\CO.isc *** 11/03/15
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**MODELOPTs: RegDFAULT CONC ELEV FLGPOL URBAN

*** METEOROLOGICAL DAYS SELECTED FOR

PROCESSING ***

(1=YES; 0=NO)

[illegible]

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)

10.80, 1.54, 3.09, 5.14, 8.23,

AERMOD LSTs Operational Output

♀ *** AERMOD - VERSION 15181 *** *** C:\Lakes\AERMOD
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**MODELOPTs: RegDFAULT CONC ELEV FLGPOL URBAN

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

Surface file: ..\..\peri8.sfc
Met Version: 14134
Profile file: ..\..\peri8.PFL

Surface format: FREE

Profile format: FREE

Surface station no.: 3190
Name: UNKNOWN

Upper air station no.: 3190
Name: UNKNOWN

Year: 2007

Year: 2007

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							
07	01	01	1	01	-0.5	0.026	-9.000	-9.000	-999.	10.	3.0	0.19	1.00	
1.00	0.50	133.		9.1	279.9	5.5								
07	01	01	1	02	-0.5	0.026	-9.000	-9.000	-999.	10.	3.0	0.19	1.00	
1.00	0.50	192.		9.1	279.2	5.5								
07	01	01	1	03	-0.5	0.026	-9.000	-9.000	-999.	10.	3.0	0.19	1.00	
1.00	0.50	160.		9.1	277.5	5.5								
07	01	01	1	04	-0.5	0.026	-9.000	-9.000	-999.	10.	3.0	0.19	1.00	
1.00	0.50	75.		9.1	277.5	5.5								
07	01	01	1	05	-0.6	0.026	-9.000	-9.000	-999.	10.	2.6	0.19	1.00	
1.00	0.50	282.		9.1	278.8	5.5								
07	01	01	1	06	-0.6	0.026	-9.000	-9.000	-999.	10.	2.6	0.19	1.00	
1.00	0.50	96.		9.1	277.5	5.5								
07	01	01	1	07	-0.5	0.026	-9.000	-9.000	-999.	10.	3.0	0.19	1.00	
1.00	0.50	129.		9.1	278.1	5.5								
07	01	01	1	08	-0.4	0.026	-9.000	-9.000	-999.	10.	3.7	0.19	1.00	
0.54	0.50	99.		9.1	277.5	5.5								
07	01	01	1	09	27.8	0.091	0.542	0.005	196.	66.	-2.3	0.19	1.00	
0.33	0.50	133.		9.1	278.1	5.5								
07	01	01	1	10	76.9	0.104	1.050	0.005	516.	81.	-1.3	0.19	1.00	

0.26	0.50	174.		9.1	281.4	5.5							
07 01 01	1 11	110.0	0.109	1.374	0.009	810.	87.	-1.0	0.19	1.00			
0.23	0.50	95.		9.1	284.9	5.5							
07 01 01	1 12	125.7	0.201	1.589	0.018	1095.	216.	-5.5	0.19	1.00			
0.22	1.30	94.		9.1	288.1	5.5							
07 01 01	1 13	121.7	0.287	1.641	0.022	1248.	369.	-16.6	0.19	1.00			
0.22	2.20	24.		9.1	291.4	5.5							
07 01 01	1 14	102.8	0.414	1.559	0.021	1265.	639.	-59.1	0.19	1.00			
0.23	3.60	13.		9.1	292.5	5.5							
07 01 01	1 15	69.9	0.619	1.374	0.021	1276.	1169.	-291.2	0.19	1.00			
0.27	5.80	318.		9.1	292.0	5.5							
07 01 01	1 16	16.8	0.607	0.856	0.021	1277.	1135.	-1137.8	0.19	1.00			
0.36	5.80	329.		9.1	291.4	5.5							
07 01 01	1 17	-42.2	0.437	-9.000	-9.000	-999.	720.	169.3	0.19	1.00			
0.64	4.50	333.		9.1	289.9	5.5							
07 01 01	1 18	-18.5	0.353	-9.000	-9.000	-999.	510.	204.1	0.19	1.00			
1.00	3.60	305.		9.1	288.8	5.5							
07 01 01	1 19	-42.3	0.437	-9.000	-9.000	-999.	692.	168.7	0.19	1.00			
1.00	4.50	276.		9.1	287.5	5.5							
07 01 01	1 20	-32.3	0.334	-9.000	-9.000	-999.	470.	98.6	0.19	1.00			
1.00	3.60	323.		9.1	287.5	5.5							
07 01 01	1 21	-36.7	0.380	-9.000	-9.000	-999.	562.	128.3	0.19	1.00			
1.00	4.00	322.		9.1	288.1	5.5							
07 01 01	1 22	-45.6	0.434	-9.000	-9.000	-999.	685.	153.6	0.19	1.00			
1.00	4.50	30.		9.1	288.1	5.5							
07 01 01	1 23	-39.7	0.377	-9.000	-9.000	-999.	557.	115.4	0.19	1.00			
1.00	4.00	343.		9.1	287.0	5.5							
07 01 01	1 24	-7.7	0.093	-9.000	-9.000	-999.	215.	9.1	0.19	1.00			
1.00	1.80	155.		9.1	283.8	5.5							

YR	MO	DY	HR	HEIGHT	F	WDIR	WSPD	AMB_TMP	sigmaA	sigmaW	sigmaV
07	01	01	01	5.5	0	-999.	-99.00	279.9	99.0	-99.00	-99.00
07	01	01	01	9.1	1	133.	0.50	-999.0	99.0	-99.00	-99.00

```

♀ *** AERMOD - VERSION 15181 ***      *** C:\Lakes\AERMOD
View\MVL\OperationalLSTs\CO\CO.isc      ***      11/03/15
*** AERMET - VERSION 14134 ***      ***
***      12:26:14

```

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

```

*** THE 1ST HIGHEST 1-HR AVERAGE CONCENTRATION
VALUES FOR SOURCE GROUP: ALL ***
INCLUDING SOURCE(S): L0001762 , L0001763

```

AERMOD LSTs Operational Output

```

, L0001764    , L0001765    , L0001766    ,
               L0001767    , L0001768    , L0001769    , L0001770    , L0001771
, L0001772    , L0001773    , L0001774    ,
               L0001775    , L0001776    , L0001777    , L0001778    , L0001779
, L0001780    , L0001781    , L0001782    ,
               L0001783    , L0001784    , L0001785    , L0001786    , L0001787
, L0001788    , L0001789    , . . .

```

*** DISCRETE CARTESIAN RECEPTOR POINTS

** CONC OF CO IN PPM

**

X-COORD (M)	Y-COORD (M)	CONC	(YYMMDDHH)	X-COORD (M)
Y-COORD (M)	CONC	(YYMMDDHH)		
477994.17	3749818.50	0.00327	(09100219)	478348.59
3749820.73	0.00323	(10080804)		
478323.98	3749446.94	0.00401	(09051904)	478321.90
3749107.70	0.00540	(08101020)		
478311.50	3748947.34	0.00849	(11123020)	478314.46
3748704.06	0.00900	(07083001)		
478309.66	3748401.33	0.01258	(10102722)	478302.71
3748248.43	0.01101	(07081220)		

♀ *** AERMOD - VERSION 15181 *** C:\Lakes\AERMOD
View\MVL\OperationalLSTs\CO\CO.isc *** 11/03/15
*** AERMET - VERSION 14134 ***
*** 12:26:14

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**MODELOPTs: RegDFAULT CONC ELEV FLGPOL URBAN

*** THE 1ST HIGHEST 8-HR AVERAGE CONCENTRATION
VALUES FOR SOURCE GROUP: ALL ***
INCLUDING SOURCE(S): L0001762 , L0001763
, L0001764 , L0001765 , L0001766 ,
L0001767 , L0001768 , L0001769 , L0001770 , L0001771
, L0001772 , L0001773 , L0001774 ,
L0001775 , L0001776 , L0001777 , L0001778 , L0001779
, L0001780 , L0001781 , L0001782 ,
L0001783 , L0001784 , L0001785 , L0001786 , L0001787
, L0001788 , L0001789 , . . .

*** DISCRETE CARTESIAN RECEPTOR POINTS

AERMOD LSTs Operational Output

** CONC OF CO IN PPM

**

X-COORD (M)	Y-COORD (M)	CONC	(YYMMDDHH)	X-COORD (M)
Y-COORD (M)	CONC	(YYMMDDHH)		
477994.17	3749818.50	0.00207	(09040308)	478348.59
3749820.73	0.00216	(07120724)		
478323.98	3749446.94	0.00271	(07120724)	478321.90
3749107.70	0.00364	(07120724)		
478311.50	3748947.34	0.00559	(08121824)	478314.46
3748704.06	0.00709	(07102724)		
478309.66	3748401.33	0.00880	(07012108)	478302.71
3748248.43	0.00735	(09012424)		

♀ *** AERMOD - VERSION 15181 *** ** C:\Lakes\AERMOD
View\MVL\OperationalLSTs\CO\CO.isc *** 11/03/15
*** AERMET - VERSION 14134 ***
*** 12:26:14

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**MODELOPTs: RegDFAULT CONC ELEV FLGPOL URBAN

*** THE SUMMARY OF HIGHEST 1-HR

RESULTS ***

** CONC OF CO IN PPM

**

GROUP ID	DATE	NETWORK	RECEPTOR
(XR, YR, ZELEV, ZHILL, ZFLAG)	AVERAGE CONC	(YYMMDDHH)	
	OF TYPE	GRID-ID	
ALL HIGH 1ST HIGH VALUE IS	0.01258	ON 10102722: AT (	478309.66,
3748401.33, 451.00, 451.00, 2.00)	DC		

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

♀ *** AERMOD - VERSION 15181 *** ** C:\Lakes\AERMOD
View\MVL\OperationalLSTs\CO\CO.isc *** 11/03/15
*** AERMET - VERSION 14134 ***

AERMOD LSTs Operational Output
*** 12:26:14

**MODELOPTs: RegDFAULT CONC PAGE 36
ELEV FLGPOL URBAN

*** THE SUMMARY OF HIGHEST 8-HR
RESULTS ***

** CONC OF CO IN PPM
**

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

ALL HIGH 1ST HIGH VALUE IS 0.00880 ON 07012108: AT (478309.66,
3748401.33, 451.00, 451.00, 2.00) DC

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

♀ *** AERMOD - VERSION 15181 *** C:\Lakes\AERMOD
View\MVL\OperationalLSTs\CO\CO.isc *** 11/03/15
*** AERMET - VERSION 14134 ***
*** 12:26:14

**MODELOPTs: RegDFAULT CONC PAGE 37
ELEV FLGPOL URBAN

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

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

A Total of 0 Fatal Error Message(s)
A Total of 1 Warning Message(s)
A Total of 1895 Informational Message(s)

A Total of 43824 Hours Were Processed

A Total of 90 Calm Hours Identified

A Total of 1805 Missing Hours Identified (4.12 Percent)

AERMOD LSTs Operational Output

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

***** WARNING MESSAGES *****
ME W531 1777 MEOPEN: CAUTION! Met Station ID Missing from SURFFILE for
SURFDATA

*** AERMOD Finishes Successfully ***

**

**

** AERMOD Input Produced by:
** AERMOD View Ver. 9.0.0
** Lakes Environmental Software Inc.
** Date: 11/3/2015
** File: C:\Lakes\AERMOD View\MVL\OperationalLSTs\NOx\NOx.ADI
**

**

**

** AERMOD Control Pathway

**

**

CO STARTING

TITLEONE C:\Lakes\AERMOD View\MVL\OperationalLSTs\NOx\NOx.isc

MODELOPT CONC OLM

AVERTIME 1

URBANOPT 2100516

POLLUTID NO2 H1H

FLAGPOLE 2.00

RUNORNOT RUN

** NO2 Conversion Options

NO2STACK 0.100

NO2EQUIL 0.900

** Hourly Ozone Data File: C:\Lakes\AERMOD

View\MVL\OperationalLSTs\NOx\..\PERI_Ozone\03PERI2007-11.prn.txt

OZONEFIL ..\..\PERI_Ozone\03PERI2007-11.prn.txt PPB

ERRORFIL NOx.err

CO FINISHED

**

AERMOD LSTs Operational Output

** AERMOD Source Pathway

**

**

SO STARTING

** Source Location **

** Source ID - Type - X Coord. - Y Coord. **

**

** Line Source Represented by Adjacent Volume Sources

** LINE VOLUME Source ID = SLINE1

** DESCRSRC On-Site Idling East of Building 1

** PREFIX

** Length of Side = 30.00

** Configuration = Adjacent

** Emission Rate = 0.02789

** Vertical Dimension = 4.00

** SZINIT = 1.86

** Nodes = 2

** 478216.131, 3748401.256, 451.00, 4.00, 13.95

** 478218.470, 3748912.349, 453.00, 4.00, 13.95

**

LOCATION L0001125	VOLUME	478216.200	3748416.256	451.00
LOCATION L0001126	VOLUME	478216.337	3748446.256	451.00
LOCATION L0001127	VOLUME	478216.474	3748476.255	451.15
LOCATION L0001128	VOLUME	478216.612	3748506.255	451.73
LOCATION L0001129	VOLUME	478216.749	3748536.255	452.00
LOCATION L0001130	VOLUME	478216.886	3748566.254	452.00
LOCATION L0001131	VOLUME	478217.023	3748596.254	452.00
LOCATION L0001132	VOLUME	478217.161	3748626.254	452.00
LOCATION L0001133	VOLUME	478217.298	3748656.253	452.00
LOCATION L0001134	VOLUME	478217.435	3748686.253	452.00
LOCATION L0001135	VOLUME	478217.573	3748716.253	452.00
LOCATION L0001136	VOLUME	478217.710	3748746.252	452.00
LOCATION L0001137	VOLUME	478217.847	3748776.252	452.00
LOCATION L0001138	VOLUME	478217.984	3748806.252	452.66
LOCATION L0001139	VOLUME	478218.122	3748836.251	453.00
LOCATION L0001140	VOLUME	478218.259	3748866.251	453.00
LOCATION L0001141	VOLUME	478218.396	3748896.251	453.00

** End of LINE VOLUME Source ID = SLINE1

**

** Line Source Represented by Adjacent Volume Sources

** LINE VOLUME Source ID = SLINE3

** DESCRSRC On-Site Idling West of Building 1

** PREFIX

** Length of Side = 30.00

** Configuration = Adjacent

** Emission Rate = 0.0238

AERMOD LSTs Operational Output

** Vertical Dimension = 4.00

** SZINIT = 1.86

** Nodes = 2

** 477943.756, 3748486.125, 451.01, 4.00, 13.95

** 477947.383, 3748908.539, 453.00, 4.00, 13.95

** -----

LOCATION L0001142	VOLUME	477943.885	3748501.124	451.49
LOCATION L0001143	VOLUME	477944.142	3748531.123	452.00
LOCATION L0001144	VOLUME	477944.400	3748561.122	452.00
LOCATION L0001145	VOLUME	477944.658	3748591.121	452.00
LOCATION L0001146	VOLUME	477944.915	3748621.120	452.00
LOCATION L0001147	VOLUME	477945.173	3748651.119	452.00
LOCATION L0001148	VOLUME	477945.430	3748681.118	452.49
LOCATION L0001149	VOLUME	477945.688	3748711.117	453.00
LOCATION L0001150	VOLUME	477945.945	3748741.116	453.00
LOCATION L0001151	VOLUME	477946.203	3748771.114	453.00
LOCATION L0001152	VOLUME	477946.461	3748801.113	453.00
LOCATION L0001153	VOLUME	477946.718	3748831.112	453.00
LOCATION L0001154	VOLUME	477946.976	3748861.111	453.00
LOCATION L0001155	VOLUME	477947.233	3748891.110	453.00

** End of LINE VOLUME Source ID = SLINE3

** -----

** Line Source Represented by Adjacent Volume Sources

** LINE VOLUME Source ID = SLINE4

** DESCRSRC On-Site Idling Building 2

** PREFIX

** Length of Side = 8.50

** Configuration = Adjacent

** Emission Rate = 0.01254

** Vertical Dimension = 4.00

** SZINIT = 1.86

** Nodes = 2

** 477756.670, 3748942.717, 453.94, 4.00, 3.95

** 477756.670, 3748877.200, 453.03, 4.00, 3.95

** -----

LOCATION L0001156	VOLUME	477756.670	3748938.467	454.00
LOCATION L0001157	VOLUME	477756.670	3748929.967	453.80
LOCATION L0001158	VOLUME	477756.670	3748921.467	453.55
LOCATION L0001159	VOLUME	477756.670	3748912.967	453.30
LOCATION L0001160	VOLUME	477756.670	3748904.467	453.10
LOCATION L0001161	VOLUME	477756.670	3748895.967	453.10
LOCATION L0001162	VOLUME	477756.670	3748887.467	453.10
LOCATION L0001163	VOLUME	477756.670	3748878.967	453.10

** End of LINE VOLUME Source ID = SLINE4

** -----

** Line Source Represented by Adjacent Volume Sources

** LINE VOLUME Source ID = SLINE5

** DESCRSRC On-site Idling Building 3

AERMOD LSTs Operational Output

```

** PREFIX
** Length of Side = 8.50
** Configuration = Adjacent
** Emission Rate = 0.009939
** Vertical Dimension = 4.00
** SZINIT = 1.86
** Nodes = 6
** 477895.901, 3748339.060, 451.00, 4.00, 3.95
** 477936.827, 3748338.755, 450.99, 4.00, 3.95
** 477944.157, 3748337.839, 450.98, 4.00, 3.95
** 477975.920, 3748282.559, 450.00, 4.00, 3.95
** 477978.363, 3748262.401, 450.00, 4.00, 3.95
** 477978.058, 3748213.840, 450.00, 4.00, 3.95
** -----
LOCATION L0001164      VOLUME  477900.151 3748339.028 451.00
LOCATION L0001165      VOLUME  477908.651 3748338.965 451.00
LOCATION L0001166      VOLUME  477917.150 3748338.902 451.00
LOCATION L0001167      VOLUME  477925.650 3748338.838 451.00
LOCATION L0001168      VOLUME  477934.150 3748338.775 451.00
LOCATION L0001169      VOLUME  477942.605 3748338.033 451.00
LOCATION L0001170      VOLUME  477947.612 3748331.825 451.00
LOCATION L0001171      VOLUME  477951.847 3748324.455 451.00
LOCATION L0001172      VOLUME  477956.082 3748317.085 450.00
LOCATION L0001173      VOLUME  477960.317 3748309.715 450.00
LOCATION L0001174      VOLUME  477964.551 3748302.345 450.00
LOCATION L0001175      VOLUME  477968.786 3748294.975 450.00
LOCATION L0001176      VOLUME  477973.021 3748287.605 450.00
LOCATION L0001177      VOLUME  477976.242 3748279.898 450.00
LOCATION L0001178      VOLUME  477977.265 3748271.460 450.00
LOCATION L0001179      VOLUME  477978.288 3748263.022 450.00
LOCATION L0001180      VOLUME  477978.314 3748254.526 450.00
LOCATION L0001181      VOLUME  477978.260 3748246.026 450.00
LOCATION L0001182      VOLUME  477978.207 3748237.527 450.00
LOCATION L0001183      VOLUME  477978.153 3748229.027 450.00
LOCATION L0001184      VOLUME  477978.100 3748220.527 450.00
** End of LINE VOLUME Source ID = SLINE5
** -----
** Line Source Represented by Adjacent Volume Sources
** LINE VOLUME Source ID = SLINE6
** DESCRSRC On-Site Idling Building 4
** PREFIX
** Length of Side = 8.50
** Configuration = Adjacent
** Emission Rate = 0.017
** Vertical Dimension = 4.00
** SZINIT = 1.86
** Nodes = 2
** 477608.667, 3748933.539, 454.00, 0.00, 3.95

```

AERMOD LSTs Operational Output

** 477608.667, 3748808.378, 454.00, 0.00, 3.95

** -----

LOCATION L0001185	VOLUME	477608.667	3748929.289	454.00
LOCATION L0001186	VOLUME	477608.667	3748920.789	454.00
LOCATION L0001187	VOLUME	477608.667	3748912.289	454.00
LOCATION L0001188	VOLUME	477608.667	3748903.789	454.00
LOCATION L0001189	VOLUME	477608.667	3748895.289	454.00
LOCATION L0001190	VOLUME	477608.667	3748886.789	454.00
LOCATION L0001191	VOLUME	477608.667	3748878.289	454.00
LOCATION L0001192	VOLUME	477608.667	3748869.789	454.00
LOCATION L0001193	VOLUME	477608.667	3748861.289	454.00
LOCATION L0001194	VOLUME	477608.667	3748852.789	454.00
LOCATION L0001195	VOLUME	477608.667	3748844.289	454.00
LOCATION L0001196	VOLUME	477608.667	3748835.789	454.00
LOCATION L0001197	VOLUME	477608.667	3748827.289	454.00
LOCATION L0001198	VOLUME	477608.667	3748818.789	454.00
LOCATION L0001199	VOLUME	477608.667	3748810.289	454.00

** End of LINE VOLUME Source ID = SLINE6

** -----

** Line Source Represented by Adjacent Volume Sources

** LINE VOLUME Source ID = SLINE2

** DESCRSRC On-Site Idling South of Building 1

** PREFIX

** Length of Side = 30.00

** Configuration = Adjacent

** Emission Rate = 0.007676

** Vertical Dimension = 4.00

** SZINIT = 1.86

** Nodes = 2

** 478028.009, 3748335.520, 450.99, 0.00, 13.95

** 478166.972, 3748332.512, 450.89, 0.00, 13.95

** -----

LOCATION L0001200	VOLUME	478043.005	3748335.195	451.00
LOCATION L0001201	VOLUME	478072.998	3748334.546	451.00
LOCATION L0001202	VOLUME	478102.991	3748333.897	451.00
LOCATION L0001203	VOLUME	478132.984	3748333.248	451.00
LOCATION L0001204	VOLUME	478162.977	3748332.598	451.00

** End of LINE VOLUME Source ID = SLINE2

** -----

** Line Source Represented by Adjacent Volume Sources

** LINE VOLUME Source ID = SLINE7

** DESCRSRC On-Site Travel Building 1

** PREFIX

** Length of Side = 8.50

** Configuration = Adjacent

** Emission Rate = 0.135

** Vertical Dimension = 4.00

** SZINIT = 1.86

AERMOD LSTs Operational Output

** Nodes = 10

** 477952.409, 3748975.666, 453.00, 4.00, 3.95
 ** 477951.898, 3748949.071, 453.00, 4.00, 3.95
 ** 477948.317, 3748924.522, 453.00, 4.00, 3.95
 ** 477947.295, 3748869.798, 453.00, 4.00, 3.95
 ** 477944.226, 3748488.264, 451.01, 4.00, 3.95
 ** 478016.339, 3748353.755, 451.00, 4.00, 3.95
 ** 478027.591, 3748336.366, 450.99, 4.00, 3.95
 ** 478215.801, 3748338.412, 450.97, 4.00, 3.95
 ** 478219.892, 3748913.271, 453.00, 4.00, 3.95
 ** 478201.992, 3748972.086, 453.00, 4.00, 3.95

**

LOCATION L0001205	VOLUME	477952.327	3748971.417	453.00
LOCATION L0001206	VOLUME	477952.164	3748962.918	453.00
LOCATION L0001207	VOLUME	477952.001	3748954.420	453.00
LOCATION L0001208	VOLUME	477951.443	3748945.954	453.00
LOCATION L0001209	VOLUME	477950.216	3748937.543	453.00
LOCATION L0001210	VOLUME	477948.989	3748929.132	453.00
LOCATION L0001211	VOLUME	477948.245	3748920.681	453.00
LOCATION L0001212	VOLUME	477948.087	3748912.183	453.00
LOCATION L0001213	VOLUME	477947.928	3748903.684	453.00
LOCATION L0001214	VOLUME	477947.769	3748895.186	453.00
LOCATION L0001215	VOLUME	477947.610	3748886.687	453.00
LOCATION L0001216	VOLUME	477947.452	3748878.189	453.00
LOCATION L0001217	VOLUME	477947.294	3748869.690	453.00
LOCATION L0001218	VOLUME	477947.226	3748861.191	453.00
LOCATION L0001219	VOLUME	477947.157	3748852.691	453.00
LOCATION L0001220	VOLUME	477947.089	3748844.191	453.00
LOCATION L0001221	VOLUME	477947.021	3748835.691	453.00
LOCATION L0001222	VOLUME	477946.952	3748827.192	453.00
LOCATION L0001223	VOLUME	477946.884	3748818.692	453.00
LOCATION L0001224	VOLUME	477946.816	3748810.192	453.00
LOCATION L0001225	VOLUME	477946.747	3748801.692	453.00
LOCATION L0001226	VOLUME	477946.679	3748793.193	453.00
LOCATION L0001227	VOLUME	477946.610	3748784.693	453.00
LOCATION L0001228	VOLUME	477946.542	3748776.193	453.00
LOCATION L0001229	VOLUME	477946.474	3748767.694	453.00
LOCATION L0001230	VOLUME	477946.405	3748759.194	453.00
LOCATION L0001231	VOLUME	477946.337	3748750.694	453.00
LOCATION L0001232	VOLUME	477946.269	3748742.194	453.00
LOCATION L0001233	VOLUME	477946.200	3748733.695	453.00
LOCATION L0001234	VOLUME	477946.132	3748725.195	453.00
LOCATION L0001235	VOLUME	477946.063	3748716.695	453.00
LOCATION L0001236	VOLUME	477945.995	3748708.195	453.00
LOCATION L0001237	VOLUME	477945.927	3748699.696	453.00
LOCATION L0001238	VOLUME	477945.858	3748691.196	452.82
LOCATION L0001239	VOLUME	477945.790	3748682.696	452.54
LOCATION L0001240	VOLUME	477945.722	3748674.197	452.25

AERMOD LSTs Operational Output

LOCATION	L0001241	VOLUME	477945.653	3748665.697	452.00
LOCATION	L0001242	VOLUME	477945.585	3748657.197	452.00
LOCATION	L0001243	VOLUME	477945.517	3748648.697	452.00
LOCATION	L0001244	VOLUME	477945.448	3748640.198	452.00
LOCATION	L0001245	VOLUME	477945.380	3748631.698	452.00
LOCATION	L0001246	VOLUME	477945.311	3748623.198	452.00
LOCATION	L0001247	VOLUME	477945.243	3748614.699	452.00
LOCATION	L0001248	VOLUME	477945.175	3748606.199	452.00
LOCATION	L0001249	VOLUME	477945.106	3748597.699	452.00
LOCATION	L0001250	VOLUME	477945.038	3748589.199	452.00
LOCATION	L0001251	VOLUME	477944.970	3748580.700	452.00
LOCATION	L0001252	VOLUME	477944.901	3748572.200	452.00
LOCATION	L0001253	VOLUME	477944.833	3748563.700	452.00
LOCATION	L0001254	VOLUME	477944.764	3748555.200	452.00
LOCATION	L0001255	VOLUME	477944.696	3748546.701	452.00
LOCATION	L0001256	VOLUME	477944.628	3748538.201	452.00
LOCATION	L0001257	VOLUME	477944.559	3748529.701	452.00
LOCATION	L0001258	VOLUME	477944.491	3748521.202	452.00
LOCATION	L0001259	VOLUME	477944.423	3748512.702	451.87
LOCATION	L0001260	VOLUME	477944.354	3748504.202	451.59
LOCATION	L0001261	VOLUME	477944.286	3748495.702	451.30
LOCATION	L0001262	VOLUME	477944.728	3748487.329	451.03
LOCATION	L0001263	VOLUME	477948.744	3748479.837	451.00
LOCATION	L0001264	VOLUME	477952.760	3748472.346	451.00
LOCATION	L0001265	VOLUME	477956.776	3748464.855	451.00
LOCATION	L0001266	VOLUME	477960.792	3748457.363	451.00
LOCATION	L0001267	VOLUME	477964.809	3748449.872	451.00
LOCATION	L0001268	VOLUME	477968.825	3748442.381	451.00
LOCATION	L0001269	VOLUME	477972.841	3748434.889	451.00
LOCATION	L0001270	VOLUME	477976.857	3748427.398	451.00
LOCATION	L0001271	VOLUME	477980.874	3748419.907	451.00
LOCATION	L0001272	VOLUME	477984.890	3748412.415	451.00
LOCATION	L0001273	VOLUME	477988.906	3748404.924	451.00
LOCATION	L0001274	VOLUME	477992.922	3748397.433	451.00
LOCATION	L0001275	VOLUME	477996.939	3748389.941	451.00
LOCATION	L0001276	VOLUME	478000.955	3748382.450	451.00
LOCATION	L0001277	VOLUME	478004.971	3748374.959	451.00
LOCATION	L0001278	VOLUME	478008.987	3748367.468	451.00
LOCATION	L0001279	VOLUME	478013.004	3748359.976	451.00
LOCATION	L0001280	VOLUME	478017.122	3748352.545	451.00
LOCATION	L0001281	VOLUME	478021.740	3748345.409	451.00
LOCATION	L0001282	VOLUME	478026.357	3748338.273	451.00
LOCATION	L0001283	VOLUME	478033.820	3748336.434	451.00
LOCATION	L0001284	VOLUME	478042.319	3748336.526	451.00
LOCATION	L0001285	VOLUME	478050.819	3748336.619	451.00
LOCATION	L0001286	VOLUME	478059.318	3748336.711	451.00
LOCATION	L0001287	VOLUME	478067.818	3748336.803	451.00
LOCATION	L0001288	VOLUME	478076.317	3748336.896	451.00

AERMOD LSTs Operational Output

LOCATION	L0001289	VOLUME	478084.817	3748336.988	451.00
LOCATION	L0001290	VOLUME	478093.316	3748337.080	451.00
LOCATION	L0001291	VOLUME	478101.816	3748337.173	451.00
LOCATION	L0001292	VOLUME	478110.315	3748337.265	451.00
LOCATION	L0001293	VOLUME	478118.815	3748337.358	451.00
LOCATION	L0001294	VOLUME	478127.314	3748337.450	451.00
LOCATION	L0001295	VOLUME	478135.814	3748337.542	451.00
LOCATION	L0001296	VOLUME	478144.313	3748337.635	451.00
LOCATION	L0001297	VOLUME	478152.813	3748337.727	451.00
LOCATION	L0001298	VOLUME	478161.312	3748337.820	451.00
LOCATION	L0001299	VOLUME	478169.812	3748337.912	451.00
LOCATION	L0001300	VOLUME	478178.311	3748338.004	451.00
LOCATION	L0001301	VOLUME	478186.811	3748338.097	451.00
LOCATION	L0001302	VOLUME	478195.310	3748338.189	451.00
LOCATION	L0001303	VOLUME	478203.810	3748338.282	451.00
LOCATION	L0001304	VOLUME	478212.309	3748338.374	451.00
LOCATION	L0001305	VOLUME	478215.837	3748343.420	451.00
LOCATION	L0001306	VOLUME	478215.897	3748351.920	451.00
LOCATION	L0001307	VOLUME	478215.958	3748360.419	451.00
LOCATION	L0001308	VOLUME	478216.018	3748368.919	451.00
LOCATION	L0001309	VOLUME	478216.079	3748377.419	451.00
LOCATION	L0001310	VOLUME	478216.139	3748385.919	451.00
LOCATION	L0001311	VOLUME	478216.200	3748394.419	451.00
LOCATION	L0001312	VOLUME	478216.260	3748402.918	451.00
LOCATION	L0001313	VOLUME	478216.321	3748411.418	451.00
LOCATION	L0001314	VOLUME	478216.381	3748419.918	451.00
LOCATION	L0001315	VOLUME	478216.442	3748428.418	451.00
LOCATION	L0001316	VOLUME	478216.502	3748436.918	451.00
LOCATION	L0001317	VOLUME	478216.563	3748445.417	451.00
LOCATION	L0001318	VOLUME	478216.623	3748453.917	451.00
LOCATION	L0001319	VOLUME	478216.683	3748462.417	451.04
LOCATION	L0001320	VOLUME	478216.744	3748470.917	451.11
LOCATION	L0001321	VOLUME	478216.804	3748479.416	451.18
LOCATION	L0001322	VOLUME	478216.865	3748487.916	451.27
LOCATION	L0001323	VOLUME	478216.925	3748496.416	451.49
LOCATION	L0001324	VOLUME	478216.986	3748504.916	451.70
LOCATION	L0001325	VOLUME	478217.046	3748513.416	451.92
LOCATION	L0001326	VOLUME	478217.107	3748521.915	452.00
LOCATION	L0001327	VOLUME	478217.167	3748530.415	452.00
LOCATION	L0001328	VOLUME	478217.228	3748538.915	452.00
LOCATION	L0001329	VOLUME	478217.288	3748547.415	452.00
LOCATION	L0001330	VOLUME	478217.349	3748555.915	452.00
LOCATION	L0001331	VOLUME	478217.409	3748564.414	452.00
LOCATION	L0001332	VOLUME	478217.470	3748572.914	452.00
LOCATION	L0001333	VOLUME	478217.530	3748581.414	452.00
LOCATION	L0001334	VOLUME	478217.591	3748589.914	452.00
LOCATION	L0001335	VOLUME	478217.651	3748598.413	452.00
LOCATION	L0001336	VOLUME	478217.712	3748606.913	452.00

AERMOD LSTs Operational Output

LOCATION L0001337	VOLUME	478217.772	3748615.413	452.00
LOCATION L0001338	VOLUME	478217.833	3748623.913	452.00
LOCATION L0001339	VOLUME	478217.893	3748632.413	452.00
LOCATION L0001340	VOLUME	478217.954	3748640.912	452.00
LOCATION L0001341	VOLUME	478218.014	3748649.412	452.00
LOCATION L0001342	VOLUME	478218.075	3748657.912	452.00
LOCATION L0001343	VOLUME	478218.135	3748666.412	452.00
LOCATION L0001344	VOLUME	478218.196	3748674.912	452.00
LOCATION L0001345	VOLUME	478218.256	3748683.411	452.00
LOCATION L0001346	VOLUME	478218.317	3748691.911	452.00
LOCATION L0001347	VOLUME	478218.377	3748700.411	452.00
LOCATION L0001348	VOLUME	478218.438	3748708.911	452.00
LOCATION L0001349	VOLUME	478218.498	3748717.410	452.00
LOCATION L0001350	VOLUME	478218.559	3748725.910	452.00
LOCATION L0001351	VOLUME	478218.619	3748734.410	452.00
LOCATION L0001352	VOLUME	478218.680	3748742.910	452.00
LOCATION L0001353	VOLUME	478218.740	3748751.410	452.00
LOCATION L0001354	VOLUME	478218.801	3748759.909	452.00
LOCATION L0001355	VOLUME	478218.861	3748768.409	452.00
LOCATION L0001356	VOLUME	478218.922	3748776.909	452.00
LOCATION L0001357	VOLUME	478218.982	3748785.409	452.00
LOCATION L0001358	VOLUME	478219.043	3748793.908	452.25
LOCATION L0001359	VOLUME	478219.103	3748802.408	452.53
LOCATION L0001360	VOLUME	478219.164	3748810.908	452.81
LOCATION L0001361	VOLUME	478219.224	3748819.408	453.00
LOCATION L0001362	VOLUME	478219.285	3748827.908	453.00
LOCATION L0001363	VOLUME	478219.345	3748836.407	453.00
LOCATION L0001364	VOLUME	478219.405	3748844.907	453.00
LOCATION L0001365	VOLUME	478219.466	3748853.407	453.00
LOCATION L0001366	VOLUME	478219.526	3748861.907	453.00
LOCATION L0001367	VOLUME	478219.587	3748870.407	453.00
LOCATION L0001368	VOLUME	478219.647	3748878.906	453.00
LOCATION L0001369	VOLUME	478219.708	3748887.406	453.00
LOCATION L0001370	VOLUME	478219.768	3748895.906	453.00
LOCATION L0001371	VOLUME	478219.829	3748904.406	453.00
LOCATION L0001372	VOLUME	478219.889	3748912.905	453.00
LOCATION L0001373	VOLUME	478217.524	3748921.053	453.00
LOCATION L0001374	VOLUME	478215.049	3748929.185	453.00
LOCATION L0001375	VOLUME	478212.574	3748937.317	453.00
LOCATION L0001376	VOLUME	478210.099	3748945.448	453.00
LOCATION L0001377	VOLUME	478207.624	3748953.580	453.00
LOCATION L0001378	VOLUME	478205.149	3748961.712	453.00
LOCATION L0001379	VOLUME	478202.675	3748969.843	453.00

** End of LINE VOLUME Source ID = SLINE7

**

** Line Source Represented by Adjacent Volume Sources

** LINE VOLUME Source ID = SLINE8

** DESCRSRC On-Site Travel Building 2

AERMOD LSTs Operational Output

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** PREFIX
** Length of Side = 8.50
** Configuration = Adjacent
** Emission Rate = 0.009694
** Vertical Dimension = 4.00
** SZINIT = 1.86
** Nodes = 9
** 477852.753, 3748830.967, 453.00, 4.00, 3.95
** 477853.554, 3748979.688, 453.09, 4.00, 3.95
** 477742.747, 3748979.421, 454.00, 4.00, 3.95
** 477742.213, 3748884.901, 453.70, 4.00, 3.95
** 477754.762, 3748840.579, 453.84, 4.00, 3.95
** 477770.249, 3748826.695, 453.00, 4.00, 3.95
** 477798.284, 3748826.161, 453.00, 4.00, 3.95
** 477843.675, 3748825.894, 453.00, 4.00, 3.95
** 477853.554, 3748825.627, 453.00, 4.00, 3.95

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LOCATION L0001380      VOLUME  477852.776 3748835.217 453.00
LOCATION L0001381      VOLUME  477852.822 3748843.717 453.00
LOCATION L0001382      VOLUME  477852.867 3748852.217 453.00
LOCATION L0001383      VOLUME  477852.913 3748860.717 453.00
LOCATION L0001384      VOLUME  477852.959 3748869.216 453.00
LOCATION L0001385      VOLUME  477853.005 3748877.716 453.00
LOCATION L0001386      VOLUME  477853.051 3748886.216 453.00
LOCATION L0001387      VOLUME  477853.096 3748894.716 453.00
LOCATION L0001388      VOLUME  477853.142 3748903.216 453.00
LOCATION L0001389      VOLUME  477853.188 3748911.716 453.00
LOCATION L0001390      VOLUME  477853.234 3748920.216 453.00
LOCATION L0001391      VOLUME  477853.279 3748928.716 453.00
LOCATION L0001392      VOLUME  477853.325 3748937.215 453.00
LOCATION L0001393      VOLUME  477853.371 3748945.715 453.00
LOCATION L0001394      VOLUME  477853.417 3748954.215 453.00
LOCATION L0001395      VOLUME  477853.463 3748962.715 453.00
LOCATION L0001396      VOLUME  477853.508 3748971.215 453.16
LOCATION L0001397      VOLUME  477853.527 3748979.688 453.44
LOCATION L0001398      VOLUME  477845.027 3748979.667 453.53
LOCATION L0001399      VOLUME  477836.527 3748979.647 453.69
LOCATION L0001400      VOLUME  477828.027 3748979.626 453.85
LOCATION L0001401      VOLUME  477819.527 3748979.606 454.00
LOCATION L0001402      VOLUME  477811.027 3748979.586 454.00
LOCATION L0001403      VOLUME  477802.527 3748979.565 454.00
LOCATION L0001404      VOLUME  477794.027 3748979.545 454.00
LOCATION L0001405      VOLUME  477785.527 3748979.524 454.00
LOCATION L0001406      VOLUME  477777.027 3748979.504 454.00
LOCATION L0001407      VOLUME  477768.527 3748979.483 454.00
LOCATION L0001408      VOLUME  477760.027 3748979.463 454.00
LOCATION L0001409      VOLUME  477751.527 3748979.442 454.00
LOCATION L0001410      VOLUME  477743.027 3748979.422 454.00

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AERMOD LSTs Operational Output

LOCATION L0001411	VOLUME	477742.701	3748971.202	454.00
LOCATION L0001412	VOLUME	477742.653	3748962.702	454.00
LOCATION L0001413	VOLUME	477742.605	3748954.202	454.00
LOCATION L0001414	VOLUME	477742.557	3748945.702	454.00
LOCATION L0001415	VOLUME	477742.508	3748937.202	454.00
LOCATION L0001416	VOLUME	477742.460	3748928.702	453.89
LOCATION L0001417	VOLUME	477742.412	3748920.202	453.77
LOCATION L0001418	VOLUME	477742.364	3748911.703	453.65
LOCATION L0001419	VOLUME	477742.316	3748903.203	453.58
LOCATION L0001420	VOLUME	477742.268	3748894.703	453.58
LOCATION L0001421	VOLUME	477742.220	3748886.203	453.59
LOCATION L0001422	VOLUME	477744.174	3748877.975	453.52
LOCATION L0001423	VOLUME	477746.490	3748869.797	453.57
LOCATION L0001424	VOLUME	477748.805	3748861.618	453.68
LOCATION L0001425	VOLUME	477751.121	3748853.440	453.84
LOCATION L0001426	VOLUME	477753.436	3748845.261	453.96
LOCATION L0001427	VOLUME	477757.468	3748838.153	453.72
LOCATION L0001428	VOLUME	477763.797	3748832.479	453.46
LOCATION L0001429	VOLUME	477770.126	3748826.806	453.22
LOCATION L0001430	VOLUME	477778.582	3748826.536	453.12
LOCATION L0001431	VOLUME	477787.080	3748826.374	453.03
LOCATION L0001432	VOLUME	477795.579	3748826.213	453.00
LOCATION L0001433	VOLUME	477804.078	3748826.127	453.00
LOCATION L0001434	VOLUME	477812.578	3748826.077	453.00
LOCATION L0001435	VOLUME	477821.078	3748826.027	453.00
LOCATION L0001436	VOLUME	477829.578	3748825.977	453.00
LOCATION L0001437	VOLUME	477838.078	3748825.927	453.00
LOCATION L0001438	VOLUME	477846.576	3748825.816	453.00

** End of LINE VOLUME Source ID = SLINE8

**

** Line Source Represented by Adjacent Volume Sources

** LINE VOLUME Source ID = SLINE9

** DESCRSRC On-Site Travel Building 3

** PREFIX

** Length of Side = 8.50

** Configuration = Adjacent

** Emission Rate = 0.006342

** Vertical Dimension = 4.00

** SZINIT = 1.86

** Nodes = 12

** 477886.740, 3748199.498, 450.00, 4.00, 3.95

** 477885.465, 3748255.245, 450.85, 4.00, 3.95

** 477886.421, 3748337.112, 451.00, 4.00, 3.95

** 477917.002, 3748339.979, 451.00, 4.00, 3.95

** 477941.530, 3748338.068, 451.00, 4.00, 3.95

** 477951.087, 3748325.007, 450.71, 4.00, 3.95

** 477974.978, 3748285.507, 450.00, 4.00, 3.95

** 477981.349, 3748257.156, 450.00, 4.00, 3.95

AERMOD LSTs Operational Output

** 477978.164, 3748219.567, 450.00, 4.00, 3.95
 ** 477993.877, 3748210.463, 450.00, 4.00, 3.95
 ** 477994.148, 3748197.465, 450.00, 4.00, 3.95
 ** 477931.056, 3748197.465, 450.00, 4.00, 3.95

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 LOCATION L0001439 VOLUME 477886.643 3748203.747 450.00
 LOCATION L0001440 VOLUME 477886.448 3748212.245 450.00
 LOCATION L0001441 VOLUME 477886.254 3748220.742 450.12
 LOCATION L0001442 VOLUME 477886.060 3748229.240 450.34
 LOCATION L0001443 VOLUME 477885.865 3748237.738 450.57
 LOCATION L0001444 VOLUME 477885.671 3748246.236 450.81
 LOCATION L0001445 VOLUME 477885.477 3748254.734 450.87
 LOCATION L0001446 VOLUME 477885.558 3748263.233 450.92
 LOCATION L0001447 VOLUME 477885.658 3748271.732 450.97
 LOCATION L0001448 VOLUME 477885.757 3748280.232 451.00
 LOCATION L0001449 VOLUME 477885.856 3748288.731 451.00
 LOCATION L0001450 VOLUME 477885.955 3748297.231 451.00
 LOCATION L0001451 VOLUME 477886.055 3748305.730 451.00
 LOCATION L0001452 VOLUME 477886.154 3748314.229 451.00
 LOCATION L0001453 VOLUME 477886.253 3748322.729 451.00
 LOCATION L0001454 VOLUME 477886.352 3748331.228 451.00
 LOCATION L0001455 VOLUME 477889.025 3748337.356 451.00
 LOCATION L0001456 VOLUME 477897.488 3748338.150 451.00
 LOCATION L0001457 VOLUME 477905.951 3748338.943 451.00
 LOCATION L0001458 VOLUME 477914.414 3748339.736 451.00
 LOCATION L0001459 VOLUME 477922.885 3748339.521 451.00
 LOCATION L0001460 VOLUME 477931.359 3748338.860 451.00
 LOCATION L0001461 VOLUME 477939.834 3748338.200 451.00
 LOCATION L0001462 VOLUME 477945.545 3748332.582 451.00
 LOCATION L0001463 VOLUME 477950.564 3748325.722 451.00
 LOCATION L0001464 VOLUME 477955.028 3748318.492 450.00
 LOCATION L0001465 VOLUME 477959.427 3748311.219 450.00
 LOCATION L0001466 VOLUME 477963.826 3748303.945 450.00
 LOCATION L0001467 VOLUME 477968.225 3748296.672 450.00
 LOCATION L0001468 VOLUME 477972.624 3748289.399 450.00
 LOCATION L0001469 VOLUME 477975.844 3748281.652 450.00
 LOCATION L0001470 VOLUME 477977.708 3748273.359 450.00
 LOCATION L0001471 VOLUME 477979.572 3748265.066 450.00
 LOCATION L0001472 VOLUME 477981.316 3748256.764 450.00
 LOCATION L0001473 VOLUME 477980.598 3748248.295 450.00
 LOCATION L0001474 VOLUME 477979.880 3748239.825 450.00
 LOCATION L0001475 VOLUME 477979.163 3748231.355 450.00
 LOCATION L0001476 VOLUME 477978.445 3748222.886 450.00
 LOCATION L0001477 VOLUME 477982.637 3748216.975 450.00
 LOCATION L0001478 VOLUME 477989.992 3748212.714 450.00
 LOCATION L0001479 VOLUME 477993.961 3748206.454 450.00
 LOCATION L0001480 VOLUME 477994.138 3748197.956 450.00
 LOCATION L0001481 VOLUME 477986.139 3748197.465 450.00

AERMOD LSTs Operational Output

LOCATION L0001482	VOLUME	477977.639	3748197.465	450.00
LOCATION L0001483	VOLUME	477969.139	3748197.465	450.00
LOCATION L0001484	VOLUME	477960.639	3748197.465	450.00
LOCATION L0001485	VOLUME	477952.139	3748197.465	450.00
LOCATION L0001486	VOLUME	477943.639	3748197.465	450.00
LOCATION L0001487	VOLUME	477935.139	3748197.465	450.00

** End of LINE VOLUME Source ID = SLINE9

**

** Line Source Represented by Adjacent Volume Sources

** LINE VOLUME Source ID = SLINE10

** DESCRSRC On-Site Travel Building 4

** PREFIX

** Length of Side = 8.50

** Configuration = Adjacent

** Emission Rate = 0.01105

** Vertical Dimension = 4.00

** SZINIT = 1.86

** Nodes = 7

** 477500.822, 3748975.810, 454.06, 4.00, 3.95

** 477598.310, 3748973.915, 454.00, 4.00, 3.95

** 477610.497, 3748965.249, 454.00, 4.00, 3.95

** 477618.891, 3748935.461, 454.00, 4.00, 3.95

** 477626.203, 3748899.986, 454.00, 4.00, 3.95

** 477627.557, 3748795.456, 454.00, 4.00, 3.95

** 477487.823, 3748799.247, 454.00, 4.00, 3.95

**

LOCATION L0001488	VOLUME	477505.071	3748975.727	454.15
LOCATION L0001489	VOLUME	477513.570	3748975.562	454.06
LOCATION L0001490	VOLUME	477522.068	3748975.397	454.00
LOCATION L0001491	VOLUME	477530.566	3748975.232	454.00
LOCATION L0001492	VOLUME	477539.065	3748975.067	454.00
LOCATION L0001493	VOLUME	477547.563	3748974.901	454.00
LOCATION L0001494	VOLUME	477556.062	3748974.736	454.00
LOCATION L0001495	VOLUME	477564.560	3748974.571	454.00
LOCATION L0001496	VOLUME	477573.058	3748974.406	454.00
LOCATION L0001497	VOLUME	477581.557	3748974.241	454.00
LOCATION L0001498	VOLUME	477590.055	3748974.075	454.00
LOCATION L0001499	VOLUME	477598.509	3748973.774	454.00
LOCATION L0001500	VOLUME	477605.436	3748968.848	454.00
LOCATION L0001501	VOLUME	477611.118	3748963.045	454.00
LOCATION L0001502	VOLUME	477613.423	3748954.864	454.00
LOCATION L0001503	VOLUME	477615.729	3748946.682	454.00
LOCATION L0001504	VOLUME	477618.034	3748938.501	454.00
LOCATION L0001505	VOLUME	477619.969	3748930.229	454.00
LOCATION L0001506	VOLUME	477621.685	3748921.904	454.00
LOCATION L0001507	VOLUME	477623.401	3748913.579	454.00
LOCATION L0001508	VOLUME	477625.117	3748905.254	454.00
LOCATION L0001509	VOLUME	477626.243	3748896.866	454.00

AERMOD LSTs Operational Output

LOCATION	L0001510	VOLUME	477626.354	3748888.366	454.00
LOCATION	L0001511	VOLUME	477626.464	3748879.867	454.00
LOCATION	L0001512	VOLUME	477626.574	3748871.368	454.00
LOCATION	L0001513	VOLUME	477626.684	3748862.868	454.00
LOCATION	L0001514	VOLUME	477626.794	3748854.369	454.00
LOCATION	L0001515	VOLUME	477626.904	3748845.870	454.00
LOCATION	L0001516	VOLUME	477627.014	3748837.370	454.00
LOCATION	L0001517	VOLUME	477627.124	3748828.871	454.00
LOCATION	L0001518	VOLUME	477627.234	3748820.372	454.00
LOCATION	L0001519	VOLUME	477627.344	3748811.873	454.00
LOCATION	L0001520	VOLUME	477627.454	3748803.373	454.00
LOCATION	L0001521	VOLUME	477626.975	3748795.472	454.00
LOCATION	L0001522	VOLUME	477618.478	3748795.702	454.00
LOCATION	L0001523	VOLUME	477609.981	3748795.933	454.00
LOCATION	L0001524	VOLUME	477601.485	3748796.163	454.00
LOCATION	L0001525	VOLUME	477592.988	3748796.394	454.00
LOCATION	L0001526	VOLUME	477584.491	3748796.624	454.00
LOCATION	L0001527	VOLUME	477575.994	3748796.855	454.00
LOCATION	L0001528	VOLUME	477567.497	3748797.085	454.00
LOCATION	L0001529	VOLUME	477559.000	3748797.316	454.00
LOCATION	L0001530	VOLUME	477550.503	3748797.546	454.00
LOCATION	L0001531	VOLUME	477542.006	3748797.777	454.00
LOCATION	L0001532	VOLUME	477533.510	3748798.008	454.00
LOCATION	L0001533	VOLUME	477525.013	3748798.238	454.00
LOCATION	L0001534	VOLUME	477516.516	3748798.469	454.00
LOCATION	L0001535	VOLUME	477508.019	3748798.699	454.00
LOCATION	L0001536	VOLUME	477499.522	3748798.930	454.00
LOCATION	L0001537	VOLUME	477491.025	3748799.160	454.00

** End of LINE VOLUME Source ID = SLINE10

LOCATION	AREA1	AREA	477895.770	3748485.620	451.990
** DESCRSRC	On-Site Equipment West of Building 1				
LOCATION	AREA2	AREA	478189.330	3748386.890	451.000
** DESCRSRC	On-Site Equipment East of Building 1				
LOCATION	AREA3	AREA	478027.410	3748303.650	450.000
** DESCRSRC	On-Site Equipment South of Building 1				
LOCATION	AREA4	AREA	477696.200	3748836.040	454.000
** DESCRSRC	On-Site Idling Building 2				
LOCATION	AREA5	AREA	477967.690	3748183.560	450.000
** DESCRSRC	On-Site Equipment Building 3				
LOCATION	AREA6	AREA	477599.310	3748788.100	454.000
** DESCRSRC	On-Site Equipment Building 4				
LOCATION	STCK1	POINT	478197.320	3748887.470	453.000
** DESCRSRC	Building 1				
LOCATION	STCK2	POINT	478195.108	3748735.565	452.000
** DESCRSRC	Building 1				
LOCATION	STCK3	POINT	478195.845	3748573.336	452.000
** DESCRSRC	Building 1				
LOCATION	STCK4	POINT	478198.057	3748428.068	451.000

AERMOD LSTs Operational Output

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** DESCRSRC Building 1
  LOCATION STCK5      POINT      477956.189  3748894.107      453.000
** DESCRSRC Building 1
  LOCATION STCK6      POINT      477962.088  3748741.464      453.000
** DESCRSRC Building 1
  LOCATION STCK7      POINT      477962.826  3748581.448      452.000
** DESCRSRC Building 1
  LOCATION STCK8      POINT      477964.301  3748509.920      451.780
** DESCRSRC Building 1
  LOCATION STCK9      POINT      478049.102  3748355.802      451.000
** DESCRSRC Building 1
  LOCATION STCK10     POINT      478153.076  3748357.277      451.000
** DESCRSRC Building 1
  LOCATION STCK11     POINT      477756.390  3748910.945      453.240
** DESCRSRC Building 2
  LOCATION STCK12     POINT      477975.834  3748266.902      450.000
** DESCRSRC Building 3
  LOCATION STCK13     POINT      477612.475  3748890.532      454.000
** DESCRSRC Building 4
** -----
** Line Source Represented by Adjacent Volume Sources
** LINE VOLUME Source ID = SLINE11
** DESCRSRC PC On-Site Idling North of Building 1
** PREFIX
** Length of Side = 8.50
** Configuration = Adjacent
** Emission Rate = 0.0007939
** Vertical Dimension = 3.00
** SZINIT = 1.40
** Nodes = 4
** 477922.477, 3748915.885, 453.00, 0.00, 3.95
** 477920.632, 3748955.547, 453.00, 0.00, 3.95
** 478225.010, 3748957.391, 453.00, 0.00, 3.95
** 478225.010, 3748921.419, 453.00, 0.00, 3.95
** -----
  LOCATION L0001762   VOLUME    477922.279  3748920.131  453.00
  LOCATION L0001763   VOLUME    477921.884  3748928.621  453.00
  LOCATION L0001764   VOLUME    477921.489  3748937.112  453.00
  LOCATION L0001765   VOLUME    477921.095  3748945.603  453.00
  LOCATION L0001766   VOLUME    477920.700  3748954.094  453.00
  LOCATION L0001767   VOLUME    477927.678  3748955.589  453.00
  LOCATION L0001768   VOLUME    477936.177  3748955.641  453.00
  LOCATION L0001769   VOLUME    477944.677  3748955.692  453.00
  LOCATION L0001770   VOLUME    477953.177  3748955.744  453.00
  LOCATION L0001771   VOLUME    477961.677  3748955.795  453.00
  LOCATION L0001772   VOLUME    477970.177  3748955.847  453.00
  LOCATION L0001773   VOLUME    477978.677  3748955.898  453.00
  LOCATION L0001774   VOLUME    477987.177  3748955.950  453.00

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AERMOD LSTs Operational Output

LOCATION L0001775	VOLUME	477995.676	3748956.001	453.00
LOCATION L0001776	VOLUME	478004.176	3748956.053	453.00
LOCATION L0001777	VOLUME	478012.676	3748956.104	453.00
LOCATION L0001778	VOLUME	478021.176	3748956.156	453.00
LOCATION L0001779	VOLUME	478029.676	3748956.208	453.00
LOCATION L0001780	VOLUME	478038.176	3748956.259	453.00
LOCATION L0001781	VOLUME	478046.675	3748956.311	453.00
LOCATION L0001782	VOLUME	478055.175	3748956.362	453.00
LOCATION L0001783	VOLUME	478063.675	3748956.414	453.00
LOCATION L0001784	VOLUME	478072.175	3748956.465	453.00
LOCATION L0001785	VOLUME	478080.675	3748956.517	453.00
LOCATION L0001786	VOLUME	478089.175	3748956.568	453.00
LOCATION L0001787	VOLUME	478097.675	3748956.620	453.00
LOCATION L0001788	VOLUME	478106.174	3748956.671	453.00
LOCATION L0001789	VOLUME	478114.674	3748956.723	453.00
LOCATION L0001790	VOLUME	478123.174	3748956.774	453.00
LOCATION L0001791	VOLUME	478131.674	3748956.826	453.00
LOCATION L0001792	VOLUME	478140.174	3748956.877	453.00
LOCATION L0001793	VOLUME	478148.674	3748956.929	453.00
LOCATION L0001794	VOLUME	478157.173	3748956.980	453.00
LOCATION L0001795	VOLUME	478165.673	3748957.032	453.00
LOCATION L0001796	VOLUME	478174.173	3748957.083	453.00
LOCATION L0001797	VOLUME	478182.673	3748957.135	453.00
LOCATION L0001798	VOLUME	478191.173	3748957.186	453.00
LOCATION L0001799	VOLUME	478199.673	3748957.238	453.00
LOCATION L0001800	VOLUME	478208.172	3748957.289	453.00
LOCATION L0001801	VOLUME	478216.672	3748957.341	453.00
LOCATION L0001802	VOLUME	478225.010	3748957.229	453.00
LOCATION L0001803	VOLUME	478225.010	3748948.729	453.00
LOCATION L0001804	VOLUME	478225.010	3748940.229	453.00
LOCATION L0001805	VOLUME	478225.010	3748931.729	453.00
LOCATION L0001806	VOLUME	478225.010	3748923.229	453.00

** End of LINE VOLUME Source ID = SLINE11

**

** Line Source Represented by Adjacent Volume Sources

** LINE VOLUME Source ID = SLINE16

** DESCRSRC PC On-Site Travel North of Building 1

** PREFIX

** Length of Side = 8.50

** Configuration = Adjacent

** Emission Rate = 0.0003

** Vertical Dimension = 3.00

** SZINIT = 1.40

** Nodes = 4

** 477922.477, 3748915.885, 453.00, 0.00, 3.95

** 477920.632, 3748955.547, 453.00, 0.00, 3.95

** 478225.010, 3748957.391, 453.00, 0.00, 3.95

** 478225.010, 3748921.419, 453.00, 0.00, 3.95

AERMOD LSTs Operational Output

**

LOCATION	L0001852	VOLUME	477922.279	3748920.131	453.00
LOCATION	L0001853	VOLUME	477921.884	3748928.621	453.00
LOCATION	L0001854	VOLUME	477921.489	3748937.112	453.00
LOCATION	L0001855	VOLUME	477921.095	3748945.603	453.00
LOCATION	L0001856	VOLUME	477920.700	3748954.094	453.00
LOCATION	L0001857	VOLUME	477927.678	3748955.589	453.00
LOCATION	L0001858	VOLUME	477936.177	3748955.641	453.00
LOCATION	L0001859	VOLUME	477944.677	3748955.692	453.00
LOCATION	L0001860	VOLUME	477953.177	3748955.744	453.00
LOCATION	L0001861	VOLUME	477961.677	3748955.795	453.00
LOCATION	L0001862	VOLUME	477970.177	3748955.847	453.00
LOCATION	L0001863	VOLUME	477978.677	3748955.898	453.00
LOCATION	L0001864	VOLUME	477987.177	3748955.950	453.00
LOCATION	L0001865	VOLUME	477995.676	3748956.001	453.00
LOCATION	L0001866	VOLUME	478004.176	3748956.053	453.00
LOCATION	L0001867	VOLUME	478012.676	3748956.104	453.00
LOCATION	L0001868	VOLUME	478021.176	3748956.156	453.00
LOCATION	L0001869	VOLUME	478029.676	3748956.208	453.00
LOCATION	L0001870	VOLUME	478038.176	3748956.259	453.00
LOCATION	L0001871	VOLUME	478046.675	3748956.311	453.00
LOCATION	L0001872	VOLUME	478055.175	3748956.362	453.00
LOCATION	L0001873	VOLUME	478063.675	3748956.414	453.00
LOCATION	L0001874	VOLUME	478072.175	3748956.465	453.00
LOCATION	L0001875	VOLUME	478080.675	3748956.517	453.00
LOCATION	L0001876	VOLUME	478089.175	3748956.568	453.00
LOCATION	L0001877	VOLUME	478097.675	3748956.620	453.00
LOCATION	L0001878	VOLUME	478106.174	3748956.671	453.00
LOCATION	L0001879	VOLUME	478114.674	3748956.723	453.00
LOCATION	L0001880	VOLUME	478123.174	3748956.774	453.00
LOCATION	L0001881	VOLUME	478131.674	3748956.826	453.00
LOCATION	L0001882	VOLUME	478140.174	3748956.877	453.00
LOCATION	L0001883	VOLUME	478148.674	3748956.929	453.00
LOCATION	L0001884	VOLUME	478157.173	3748956.980	453.00
LOCATION	L0001885	VOLUME	478165.673	3748957.032	453.00
LOCATION	L0001886	VOLUME	478174.173	3748957.083	453.00
LOCATION	L0001887	VOLUME	478182.673	3748957.135	453.00
LOCATION	L0001888	VOLUME	478191.173	3748957.186	453.00
LOCATION	L0001889	VOLUME	478199.673	3748957.238	453.00
LOCATION	L0001890	VOLUME	478208.172	3748957.289	453.00
LOCATION	L0001891	VOLUME	478216.672	3748957.341	453.00
LOCATION	L0001892	VOLUME	478225.010	3748957.229	453.00
LOCATION	L0001893	VOLUME	478225.010	3748948.729	453.00
LOCATION	L0001894	VOLUME	478225.010	3748940.229	453.00
LOCATION	L0001895	VOLUME	478225.010	3748931.729	453.00
LOCATION	L0001896	VOLUME	478225.010	3748923.229	453.00

** End of LINE VOLUME Source ID = SLINE16

**

AERMOD LSTs Operational Output

** Line Source Represented by Adjacent Volume Sources

** LINE VOLUME Source ID = SLINE12

** DESCRSRC PC On-Site Idling South of Building 1

** PREFIX

** Length of Side = 8.50

** Configuration = Adjacent

** Emission Rate = 0.0007939

** Vertical Dimension = 3.00

** SZINIT = 1.40

** Nodes = 3

** 478173.194, 3748323.551, 450.64, 0.00, 3.95

** 478236.637, 3748321.285, 450.51, 0.00, 3.95

** 478232.672, 3748396.624, 451.00, 0.00, 3.95

**

LOCATION L0001628	VOLUME	478177.441	3748323.399	450.00
LOCATION L0001629	VOLUME	478185.936	3748323.096	450.00
LOCATION L0001630	VOLUME	478194.430	3748322.792	450.00
LOCATION L0001631	VOLUME	478202.925	3748322.489	450.00
LOCATION L0001632	VOLUME	478211.420	3748322.186	450.00
LOCATION L0001633	VOLUME	478219.914	3748321.882	450.00
LOCATION L0001634	VOLUME	478228.409	3748321.579	450.00
LOCATION L0001635	VOLUME	478236.623	3748321.551	450.00
LOCATION L0001636	VOLUME	478236.177	3748330.039	451.00
LOCATION L0001637	VOLUME	478235.730	3748338.527	451.00
LOCATION L0001638	VOLUME	478235.283	3748347.015	451.00
LOCATION L0001639	VOLUME	478234.836	3748355.504	451.00
LOCATION L0001640	VOLUME	478234.390	3748363.992	451.00
LOCATION L0001641	VOLUME	478233.943	3748372.480	451.00
LOCATION L0001642	VOLUME	478233.496	3748380.968	451.00
LOCATION L0001643	VOLUME	478233.049	3748389.457	451.00

** End of LINE VOLUME Source ID = SLINE12

**

** Line Source Represented by Adjacent Volume Sources

** LINE VOLUME Source ID = SLINE17

** DESCRSRC PC On-Site Travel South of Building 1

** PREFIX

** Length of Side = 8.50

** Configuration = Adjacent

** Emission Rate = 0.0001096

** Vertical Dimension = 3.00

** SZINIT = 1.40

** Nodes = 3

** 478173.194, 3748323.551, 450.64, 0.00, 3.95

** 478236.637, 3748321.285, 450.51, 0.00, 3.95

** 478232.672, 3748396.624, 451.00, 0.00, 3.95

**

LOCATION L0001897	VOLUME	478177.441	3748323.399	450.00
LOCATION L0001898	VOLUME	478185.936	3748323.096	450.00

AERMOD LSTs Operational Output

LOCATION L0001899	VOLUME	478194.430	3748322.792	450.00
LOCATION L0001900	VOLUME	478202.925	3748322.489	450.00
LOCATION L0001901	VOLUME	478211.420	3748322.186	450.00
LOCATION L0001902	VOLUME	478219.914	3748321.882	450.00
LOCATION L0001903	VOLUME	478228.409	3748321.579	450.00
LOCATION L0001904	VOLUME	478236.623	3748321.551	450.00
LOCATION L0001905	VOLUME	478236.177	3748330.039	451.00
LOCATION L0001906	VOLUME	478235.730	3748338.527	451.00
LOCATION L0001907	VOLUME	478235.283	3748347.015	451.00
LOCATION L0001908	VOLUME	478234.836	3748355.504	451.00
LOCATION L0001909	VOLUME	478234.390	3748363.992	451.00
LOCATION L0001910	VOLUME	478233.943	3748372.480	451.00
LOCATION L0001911	VOLUME	478233.496	3748380.968	451.00
LOCATION L0001912	VOLUME	478233.049	3748389.457	451.00

** End of LINE VOLUME Source ID = SLINE17

** -----

** Line Source Represented by Adjacent Volume Sources

** LINE VOLUME Source ID = SLINE13

** DESCRSRC PC On-Site Idling Building 2

** PREFIX

** Length of Side = 8.50

** Configuration = Adjacent

** Emission Rate = 0.0007577

** Vertical Dimension = 3.00

** SZINIT = 1.40

** Nodes = 3

** 477739.701, 3748980.644, 454.00, 0.00, 3.95

** 477854.046, 3748981.626, 453.54, 0.00, 3.95

** 477852.573, 3748835.382, 453.00, 0.00, 3.95

** -----

LOCATION L0001913	VOLUME	477743.951	3748980.681	454.00
LOCATION L0001914	VOLUME	477752.450	3748980.754	454.00
LOCATION L0001915	VOLUME	477760.950	3748980.827	454.00
LOCATION L0001916	VOLUME	477769.450	3748980.900	454.00
LOCATION L0001917	VOLUME	477777.949	3748980.973	454.00
LOCATION L0001918	VOLUME	477786.449	3748981.046	454.00
LOCATION L0001919	VOLUME	477794.949	3748981.119	454.00
LOCATION L0001920	VOLUME	477803.448	3748981.192	454.00
LOCATION L0001921	VOLUME	477811.948	3748981.264	454.00
LOCATION L0001922	VOLUME	477820.448	3748981.337	453.99
LOCATION L0001923	VOLUME	477828.947	3748981.410	453.85
LOCATION L0001924	VOLUME	477837.447	3748981.483	453.70
LOCATION L0001925	VOLUME	477845.947	3748981.556	453.56
LOCATION L0001926	VOLUME	477854.042	3748981.225	453.49
LOCATION L0001927	VOLUME	477853.956	3748972.725	453.21
LOCATION L0001928	VOLUME	477853.871	3748964.226	453.00
LOCATION L0001929	VOLUME	477853.785	3748955.726	453.00
LOCATION L0001930	VOLUME	477853.699	3748947.227	453.00

AERMOD LSTs Operational Output

LOCATION L0001931	VOLUME	477853.614	3748938.727	453.00
LOCATION L0001932	VOLUME	477853.528	3748930.228	453.00
LOCATION L0001933	VOLUME	477853.443	3748921.728	453.00
LOCATION L0001934	VOLUME	477853.357	3748913.228	453.00
LOCATION L0001935	VOLUME	477853.272	3748904.729	453.00
LOCATION L0001936	VOLUME	477853.186	3748896.229	453.00
LOCATION L0001937	VOLUME	477853.100	3748887.730	453.00
LOCATION L0001938	VOLUME	477853.015	3748879.230	453.00
LOCATION L0001939	VOLUME	477852.929	3748870.731	453.00
LOCATION L0001940	VOLUME	477852.844	3748862.231	453.00
LOCATION L0001941	VOLUME	477852.758	3748853.732	453.00
LOCATION L0001942	VOLUME	477852.673	3748845.232	453.00
LOCATION L0001943	VOLUME	477852.587	3748836.732	453.00

** End of LINE VOLUME Source ID = SLINE13

**

** Line Source Represented by Adjacent Volume Sources

** LINE VOLUME Source ID = SLINE18

** DESCRSRC PC On-Site Travel Building 2

** PREFIX

** Length of Side = 8.50

** Configuration = Adjacent

** Emission Rate = 0.0001963

** Vertical Dimension = 3.00

** SZINIT = 1.40

** Nodes = 3

** 477739.701, 3748980.644, 454.00, 0.00, 3.95

** 477854.046, 3748981.626, 453.54, 0.00, 3.95

** 477852.573, 3748835.382, 453.00, 0.00, 3.95

**

LOCATION L0001944	VOLUME	477743.951	3748980.681	454.00
LOCATION L0001945	VOLUME	477752.450	3748980.754	454.00
LOCATION L0001946	VOLUME	477760.950	3748980.827	454.00
LOCATION L0001947	VOLUME	477769.450	3748980.900	454.00
LOCATION L0001948	VOLUME	477777.949	3748980.973	454.00
LOCATION L0001949	VOLUME	477786.449	3748981.046	454.00
LOCATION L0001950	VOLUME	477794.949	3748981.119	454.00
LOCATION L0001951	VOLUME	477803.448	3748981.192	454.00
LOCATION L0001952	VOLUME	477811.948	3748981.264	454.00
LOCATION L0001953	VOLUME	477820.448	3748981.337	453.99
LOCATION L0001954	VOLUME	477828.947	3748981.410	453.85
LOCATION L0001955	VOLUME	477837.447	3748981.483	453.70
LOCATION L0001956	VOLUME	477845.947	3748981.556	453.56
LOCATION L0001957	VOLUME	477854.042	3748981.225	453.49
LOCATION L0001958	VOLUME	477853.956	3748972.725	453.21
LOCATION L0001959	VOLUME	477853.871	3748964.226	453.00
LOCATION L0001960	VOLUME	477853.785	3748955.726	453.00
LOCATION L0001961	VOLUME	477853.699	3748947.227	453.00
LOCATION L0001962	VOLUME	477853.614	3748938.727	453.00

AERMOD LSTs Operational Output

LOCATION L0001963	VOLUME	477853.528	3748930.228	453.00
LOCATION L0001964	VOLUME	477853.443	3748921.728	453.00
LOCATION L0001965	VOLUME	477853.357	3748913.228	453.00
LOCATION L0001966	VOLUME	477853.272	3748904.729	453.00
LOCATION L0001967	VOLUME	477853.186	3748896.229	453.00
LOCATION L0001968	VOLUME	477853.100	3748887.730	453.00
LOCATION L0001969	VOLUME	477853.015	3748879.230	453.00
LOCATION L0001970	VOLUME	477852.929	3748870.731	453.00
LOCATION L0001971	VOLUME	477852.844	3748862.231	453.00
LOCATION L0001972	VOLUME	477852.758	3748853.732	453.00
LOCATION L0001973	VOLUME	477852.673	3748845.232	453.00
LOCATION L0001974	VOLUME	477852.587	3748836.732	453.00

** End of LINE VOLUME Source ID = SLINE18

**

** Line Source Represented by Adjacent Volume Sources

** LINE VOLUME Source ID = SLINE14

** DESCRSRC PC On-Site Idling Building 3

** PREFIX

** Length of Side = 8.50

** Configuration = Adjacent

** Emission Rate = 0.0006019

** Vertical Dimension = 3.00

** SZINIT = 1.40

** Nodes = 2

** 477930.162, 3748197.793, 450.00, 0.00, 3.95

** 477994.466, 3748197.281, 450.00, 0.00, 3.95

**

LOCATION L0001975	VOLUME	477934.412	3748197.759	450.00
LOCATION L0001976	VOLUME	477942.912	3748197.691	450.00
LOCATION L0001977	VOLUME	477951.412	3748197.624	450.00
LOCATION L0001978	VOLUME	477959.911	3748197.556	450.00
LOCATION L0001979	VOLUME	477968.411	3748197.488	450.00
LOCATION L0001980	VOLUME	477976.911	3748197.420	450.00
LOCATION L0001981	VOLUME	477985.410	3748197.353	450.00
LOCATION L0001982	VOLUME	477993.910	3748197.285	450.00

** End of LINE VOLUME Source ID = SLINE14

**

** Line Source Represented by Adjacent Volume Sources

** LINE VOLUME Source ID = SLINE19

** DESCRSRC PC On-Site Travel Building 3

** PREFIX

** Length of Side = 8.50

** Configuration = Adjacent

** Emission Rate = 0.00003848

** Vertical Dimension = 3.00

** SZINIT = 1.40

** Nodes = 2

** 477930.162, 3748197.793, 450.00, 0.00, 3.95

AERMOD LSTs Operational Output

** 477994.466, 3748197.281, 450.00, 0.00, 3.95

** -----

LOCATION L0001730	VOLUME	477934.412	3748197.759	450.00
LOCATION L0001731	VOLUME	477942.912	3748197.691	450.00
LOCATION L0001732	VOLUME	477951.412	3748197.624	450.00
LOCATION L0001733	VOLUME	477959.911	3748197.556	450.00
LOCATION L0001734	VOLUME	477968.411	3748197.488	450.00
LOCATION L0001735	VOLUME	477976.911	3748197.420	450.00
LOCATION L0001736	VOLUME	477985.410	3748197.353	450.00
LOCATION L0001737	VOLUME	477993.910	3748197.285	450.00

** End of LINE VOLUME Source ID = SLINE19

** -----

** Line Source Represented by Adjacent Volume Sources

** LINE VOLUME Source ID = SLINE15

** DESCRSRC PC On-Site Idling Building 4

** PREFIX

** Length of Side = 8.50

** Configuration = Adjacent

** Emission Rate = 0.01257

** Vertical Dimension = 3.00

** SZINIT = 1.40

** Nodes = 2

** 477495.204, 3748976.528, 454.06, 0.00, 3.95

** 477601.235, 3748974.046, 454.00, 0.00, 3.95

** -----

LOCATION L0001738	VOLUME	477499.453	3748976.429	454.22
LOCATION L0001739	VOLUME	477507.950	3748976.230	454.13
LOCATION L0001740	VOLUME	477516.448	3748976.031	454.04
LOCATION L0001741	VOLUME	477524.946	3748975.832	454.00
LOCATION L0001742	VOLUME	477533.443	3748975.633	454.00
LOCATION L0001743	VOLUME	477541.941	3748975.434	454.00
LOCATION L0001744	VOLUME	477550.439	3748975.235	454.00
LOCATION L0001745	VOLUME	477558.936	3748975.036	454.00
LOCATION L0001746	VOLUME	477567.434	3748974.837	454.00
LOCATION L0001747	VOLUME	477575.932	3748974.638	454.00
LOCATION L0001748	VOLUME	477584.429	3748974.439	454.00
LOCATION L0001749	VOLUME	477592.927	3748974.241	454.00

** End of LINE VOLUME Source ID = SLINE15

** -----

** Line Source Represented by Adjacent Volume Sources

** LINE VOLUME Source ID = SLINE20

** DESCRSRC PC On-Site Travel Building 4

** PREFIX

** Length of Side = 8.50

** Configuration = Adjacent

** Emission Rate = 0.0001083

** Vertical Dimension = 3.00

** SZINIT = 1.40

AERMOD LSTs Operational Output

** Nodes = 2

** 477495.204, 3748976.528, 454.06, 0.00, 3.95

** 477601.235, 3748974.046, 454.00, 0.00, 3.95

**

LOCATION	L0001750	VOLUME	477499.453	3748976.429	454.22
LOCATION	L0001751	VOLUME	477507.950	3748976.230	454.13
LOCATION	L0001752	VOLUME	477516.448	3748976.031	454.04
LOCATION	L0001753	VOLUME	477524.946	3748975.832	454.00
LOCATION	L0001754	VOLUME	477533.443	3748975.633	454.00
LOCATION	L0001755	VOLUME	477541.941	3748975.434	454.00
LOCATION	L0001756	VOLUME	477550.439	3748975.235	454.00
LOCATION	L0001757	VOLUME	477558.936	3748975.036	454.00
LOCATION	L0001758	VOLUME	477567.434	3748974.837	454.00
LOCATION	L0001759	VOLUME	477575.932	3748974.638	454.00
LOCATION	L0001760	VOLUME	477584.429	3748974.439	454.00
LOCATION	L0001761	VOLUME	477592.927	3748974.241	454.00

** End of LINE VOLUME Source ID = SLINE20

** Source Parameters **

** LINE VOLUME Source ID = SLINE1

SRCPARAM	L0001125	0.0016405882	4.00	13.95	1.86
SRCPARAM	L0001126	0.0016405882	4.00	13.95	1.86
SRCPARAM	L0001127	0.0016405882	4.00	13.95	1.86
SRCPARAM	L0001128	0.0016405882	4.00	13.95	1.86
SRCPARAM	L0001129	0.0016405882	4.00	13.95	1.86
SRCPARAM	L0001130	0.0016405882	4.00	13.95	1.86
SRCPARAM	L0001131	0.0016405882	4.00	13.95	1.86
SRCPARAM	L0001132	0.0016405882	4.00	13.95	1.86
SRCPARAM	L0001133	0.0016405882	4.00	13.95	1.86
SRCPARAM	L0001134	0.0016405882	4.00	13.95	1.86
SRCPARAM	L0001135	0.0016405882	4.00	13.95	1.86
SRCPARAM	L0001136	0.0016405882	4.00	13.95	1.86
SRCPARAM	L0001137	0.0016405882	4.00	13.95	1.86
SRCPARAM	L0001138	0.0016405882	4.00	13.95	1.86
SRCPARAM	L0001139	0.0016405882	4.00	13.95	1.86
SRCPARAM	L0001140	0.0016405882	4.00	13.95	1.86
SRCPARAM	L0001141	0.0016405882	4.00	13.95	1.86

**

** LINE VOLUME Source ID = SLINE3

SRCPARAM	L0001142	0.0017	4.00	13.95	1.86
SRCPARAM	L0001143	0.0017	4.00	13.95	1.86
SRCPARAM	L0001144	0.0017	4.00	13.95	1.86
SRCPARAM	L0001145	0.0017	4.00	13.95	1.86
SRCPARAM	L0001146	0.0017	4.00	13.95	1.86
SRCPARAM	L0001147	0.0017	4.00	13.95	1.86
SRCPARAM	L0001148	0.0017	4.00	13.95	1.86
SRCPARAM	L0001149	0.0017	4.00	13.95	1.86
SRCPARAM	L0001150	0.0017	4.00	13.95	1.86
SRCPARAM	L0001151	0.0017	4.00	13.95	1.86

AERMOD LSTs Operational Output

SRCPARAM L0001152	0.0017	4.00	13.95	1.86
SRCPARAM L0001153	0.0017	4.00	13.95	1.86
SRCPARAM L0001154	0.0017	4.00	13.95	1.86
SRCPARAM L0001155	0.0017	4.00	13.95	1.86

**

** LINE VOLUME Source ID = SLINE4

SRCPARAM L0001156	0.0015675	4.00	3.95	1.86
SRCPARAM L0001157	0.0015675	4.00	3.95	1.86
SRCPARAM L0001158	0.0015675	4.00	3.95	1.86
SRCPARAM L0001159	0.0015675	4.00	3.95	1.86
SRCPARAM L0001160	0.0015675	4.00	3.95	1.86
SRCPARAM L0001161	0.0015675	4.00	3.95	1.86
SRCPARAM L0001162	0.0015675	4.00	3.95	1.86
SRCPARAM L0001163	0.0015675	4.00	3.95	1.86

**

** LINE VOLUME Source ID = SLINE5

SRCPARAM L0001164	0.0004732857	4.00	3.95	1.86
SRCPARAM L0001165	0.0004732857	4.00	3.95	1.86
SRCPARAM L0001166	0.0004732857	4.00	3.95	1.86
SRCPARAM L0001167	0.0004732857	4.00	3.95	1.86
SRCPARAM L0001168	0.0004732857	4.00	3.95	1.86
SRCPARAM L0001169	0.0004732857	4.00	3.95	1.86
SRCPARAM L0001170	0.0004732857	4.00	3.95	1.86
SRCPARAM L0001171	0.0004732857	4.00	3.95	1.86
SRCPARAM L0001172	0.0004732857	4.00	3.95	1.86
SRCPARAM L0001173	0.0004732857	4.00	3.95	1.86
SRCPARAM L0001174	0.0004732857	4.00	3.95	1.86
SRCPARAM L0001175	0.0004732857	4.00	3.95	1.86
SRCPARAM L0001176	0.0004732857	4.00	3.95	1.86
SRCPARAM L0001177	0.0004732857	4.00	3.95	1.86
SRCPARAM L0001178	0.0004732857	4.00	3.95	1.86
SRCPARAM L0001179	0.0004732857	4.00	3.95	1.86
SRCPARAM L0001180	0.0004732857	4.00	3.95	1.86
SRCPARAM L0001181	0.0004732857	4.00	3.95	1.86
SRCPARAM L0001182	0.0004732857	4.00	3.95	1.86
SRCPARAM L0001183	0.0004732857	4.00	3.95	1.86
SRCPARAM L0001184	0.0004732857	4.00	3.95	1.86

**

** LINE VOLUME Source ID = SLINE6

SRCPARAM L0001185	0.0011333333	0.00	3.95	1.86
SRCPARAM L0001186	0.0011333333	0.00	3.95	1.86
SRCPARAM L0001187	0.0011333333	0.00	3.95	1.86
SRCPARAM L0001188	0.0011333333	0.00	3.95	1.86
SRCPARAM L0001189	0.0011333333	0.00	3.95	1.86
SRCPARAM L0001190	0.0011333333	0.00	3.95	1.86
SRCPARAM L0001191	0.0011333333	0.00	3.95	1.86
SRCPARAM L0001192	0.0011333333	0.00	3.95	1.86
SRCPARAM L0001193	0.0011333333	0.00	3.95	1.86

AERMOD LSTs Operational Output

SRCPARAM	L0001194	0.0011333333	0.00	3.95	1.86
SRCPARAM	L0001195	0.0011333333	0.00	3.95	1.86
SRCPARAM	L0001196	0.0011333333	0.00	3.95	1.86
SRCPARAM	L0001197	0.0011333333	0.00	3.95	1.86
SRCPARAM	L0001198	0.0011333333	0.00	3.95	1.86
SRCPARAM	L0001199	0.0011333333	0.00	3.95	1.86

**

** LINE VOLUME Source ID = SLINE2

SRCPARAM	L0001200	0.0015352	0.00	13.95	1.86
SRCPARAM	L0001201	0.0015352	0.00	13.95	1.86
SRCPARAM	L0001202	0.0015352	0.00	13.95	1.86
SRCPARAM	L0001203	0.0015352	0.00	13.95	1.86
SRCPARAM	L0001204	0.0015352	0.00	13.95	1.86

**

** LINE VOLUME Source ID = SLINE7

SRCPARAM	L0001205	0.0007714286	4.00	3.95	1.86
SRCPARAM	L0001206	0.0007714286	4.00	3.95	1.86
SRCPARAM	L0001207	0.0007714286	4.00	3.95	1.86
SRCPARAM	L0001208	0.0007714286	4.00	3.95	1.86
SRCPARAM	L0001209	0.0007714286	4.00	3.95	1.86
SRCPARAM	L0001210	0.0007714286	4.00	3.95	1.86
SRCPARAM	L0001211	0.0007714286	4.00	3.95	1.86
SRCPARAM	L0001212	0.0007714286	4.00	3.95	1.86
SRCPARAM	L0001213	0.0007714286	4.00	3.95	1.86
SRCPARAM	L0001214	0.0007714286	4.00	3.95	1.86
SRCPARAM	L0001215	0.0007714286	4.00	3.95	1.86
SRCPARAM	L0001216	0.0007714286	4.00	3.95	1.86
SRCPARAM	L0001217	0.0007714286	4.00	3.95	1.86
SRCPARAM	L0001218	0.0007714286	4.00	3.95	1.86
SRCPARAM	L0001219	0.0007714286	4.00	3.95	1.86
SRCPARAM	L0001220	0.0007714286	4.00	3.95	1.86
SRCPARAM	L0001221	0.0007714286	4.00	3.95	1.86
SRCPARAM	L0001222	0.0007714286	4.00	3.95	1.86
SRCPARAM	L0001223	0.0007714286	4.00	3.95	1.86
SRCPARAM	L0001224	0.0007714286	4.00	3.95	1.86
SRCPARAM	L0001225	0.0007714286	4.00	3.95	1.86
SRCPARAM	L0001226	0.0007714286	4.00	3.95	1.86
SRCPARAM	L0001227	0.0007714286	4.00	3.95	1.86
SRCPARAM	L0001228	0.0007714286	4.00	3.95	1.86
SRCPARAM	L0001229	0.0007714286	4.00	3.95	1.86
SRCPARAM	L0001230	0.0007714286	4.00	3.95	1.86
SRCPARAM	L0001231	0.0007714286	4.00	3.95	1.86
SRCPARAM	L0001232	0.0007714286	4.00	3.95	1.86
SRCPARAM	L0001233	0.0007714286	4.00	3.95	1.86
SRCPARAM	L0001234	0.0007714286	4.00	3.95	1.86
SRCPARAM	L0001235	0.0007714286	4.00	3.95	1.86
SRCPARAM	L0001236	0.0007714286	4.00	3.95	1.86
SRCPARAM	L0001237	0.0007714286	4.00	3.95	1.86

AERMOD LSTs Operational Output

SRCPARAM L0001238	0.0007714286	4.00	3.95	1.86
SRCPARAM L0001239	0.0007714286	4.00	3.95	1.86
SRCPARAM L0001240	0.0007714286	4.00	3.95	1.86
SRCPARAM L0001241	0.0007714286	4.00	3.95	1.86
SRCPARAM L0001242	0.0007714286	4.00	3.95	1.86
SRCPARAM L0001243	0.0007714286	4.00	3.95	1.86
SRCPARAM L0001244	0.0007714286	4.00	3.95	1.86
SRCPARAM L0001245	0.0007714286	4.00	3.95	1.86
SRCPARAM L0001246	0.0007714286	4.00	3.95	1.86
SRCPARAM L0001247	0.0007714286	4.00	3.95	1.86
SRCPARAM L0001248	0.0007714286	4.00	3.95	1.86
SRCPARAM L0001249	0.0007714286	4.00	3.95	1.86
SRCPARAM L0001250	0.0007714286	4.00	3.95	1.86
SRCPARAM L0001251	0.0007714286	4.00	3.95	1.86
SRCPARAM L0001252	0.0007714286	4.00	3.95	1.86
SRCPARAM L0001253	0.0007714286	4.00	3.95	1.86
SRCPARAM L0001254	0.0007714286	4.00	3.95	1.86
SRCPARAM L0001255	0.0007714286	4.00	3.95	1.86
SRCPARAM L0001256	0.0007714286	4.00	3.95	1.86
SRCPARAM L0001257	0.0007714286	4.00	3.95	1.86
SRCPARAM L0001258	0.0007714286	4.00	3.95	1.86
SRCPARAM L0001259	0.0007714286	4.00	3.95	1.86
SRCPARAM L0001260	0.0007714286	4.00	3.95	1.86
SRCPARAM L0001261	0.0007714286	4.00	3.95	1.86
SRCPARAM L0001262	0.0007714286	4.00	3.95	1.86
SRCPARAM L0001263	0.0007714286	4.00	3.95	1.86
SRCPARAM L0001264	0.0007714286	4.00	3.95	1.86
SRCPARAM L0001265	0.0007714286	4.00	3.95	1.86
SRCPARAM L0001266	0.0007714286	4.00	3.95	1.86
SRCPARAM L0001267	0.0007714286	4.00	3.95	1.86
SRCPARAM L0001268	0.0007714286	4.00	3.95	1.86
SRCPARAM L0001269	0.0007714286	4.00	3.95	1.86
SRCPARAM L0001270	0.0007714286	4.00	3.95	1.86
SRCPARAM L0001271	0.0007714286	4.00	3.95	1.86
SRCPARAM L0001272	0.0007714286	4.00	3.95	1.86
SRCPARAM L0001273	0.0007714286	4.00	3.95	1.86
SRCPARAM L0001274	0.0007714286	4.00	3.95	1.86
SRCPARAM L0001275	0.0007714286	4.00	3.95	1.86
SRCPARAM L0001276	0.0007714286	4.00	3.95	1.86
SRCPARAM L0001277	0.0007714286	4.00	3.95	1.86
SRCPARAM L0001278	0.0007714286	4.00	3.95	1.86
SRCPARAM L0001279	0.0007714286	4.00	3.95	1.86
SRCPARAM L0001280	0.0007714286	4.00	3.95	1.86
SRCPARAM L0001281	0.0007714286	4.00	3.95	1.86
SRCPARAM L0001282	0.0007714286	4.00	3.95	1.86
SRCPARAM L0001283	0.0007714286	4.00	3.95	1.86
SRCPARAM L0001284	0.0007714286	4.00	3.95	1.86
SRCPARAM L0001285	0.0007714286	4.00	3.95	1.86

AERMOD LSTs Operational Output

SRCPARAM L0001286	0.0007714286	4.00	3.95	1.86
SRCPARAM L0001287	0.0007714286	4.00	3.95	1.86
SRCPARAM L0001288	0.0007714286	4.00	3.95	1.86
SRCPARAM L0001289	0.0007714286	4.00	3.95	1.86
SRCPARAM L0001290	0.0007714286	4.00	3.95	1.86
SRCPARAM L0001291	0.0007714286	4.00	3.95	1.86
SRCPARAM L0001292	0.0007714286	4.00	3.95	1.86
SRCPARAM L0001293	0.0007714286	4.00	3.95	1.86
SRCPARAM L0001294	0.0007714286	4.00	3.95	1.86
SRCPARAM L0001295	0.0007714286	4.00	3.95	1.86
SRCPARAM L0001296	0.0007714286	4.00	3.95	1.86
SRCPARAM L0001297	0.0007714286	4.00	3.95	1.86
SRCPARAM L0001298	0.0007714286	4.00	3.95	1.86
SRCPARAM L0001299	0.0007714286	4.00	3.95	1.86
SRCPARAM L0001300	0.0007714286	4.00	3.95	1.86
SRCPARAM L0001301	0.0007714286	4.00	3.95	1.86
SRCPARAM L0001302	0.0007714286	4.00	3.95	1.86
SRCPARAM L0001303	0.0007714286	4.00	3.95	1.86
SRCPARAM L0001304	0.0007714286	4.00	3.95	1.86
SRCPARAM L0001305	0.0007714286	4.00	3.95	1.86
SRCPARAM L0001306	0.0007714286	4.00	3.95	1.86
SRCPARAM L0001307	0.0007714286	4.00	3.95	1.86
SRCPARAM L0001308	0.0007714286	4.00	3.95	1.86
SRCPARAM L0001309	0.0007714286	4.00	3.95	1.86
SRCPARAM L0001310	0.0007714286	4.00	3.95	1.86
SRCPARAM L0001311	0.0007714286	4.00	3.95	1.86
SRCPARAM L0001312	0.0007714286	4.00	3.95	1.86
SRCPARAM L0001313	0.0007714286	4.00	3.95	1.86
SRCPARAM L0001314	0.0007714286	4.00	3.95	1.86
SRCPARAM L0001315	0.0007714286	4.00	3.95	1.86
SRCPARAM L0001316	0.0007714286	4.00	3.95	1.86
SRCPARAM L0001317	0.0007714286	4.00	3.95	1.86
SRCPARAM L0001318	0.0007714286	4.00	3.95	1.86
SRCPARAM L0001319	0.0007714286	4.00	3.95	1.86
SRCPARAM L0001320	0.0007714286	4.00	3.95	1.86
SRCPARAM L0001321	0.0007714286	4.00	3.95	1.86
SRCPARAM L0001322	0.0007714286	4.00	3.95	1.86
SRCPARAM L0001323	0.0007714286	4.00	3.95	1.86
SRCPARAM L0001324	0.0007714286	4.00	3.95	1.86
SRCPARAM L0001325	0.0007714286	4.00	3.95	1.86
SRCPARAM L0001326	0.0007714286	4.00	3.95	1.86
SRCPARAM L0001327	0.0007714286	4.00	3.95	1.86
SRCPARAM L0001328	0.0007714286	4.00	3.95	1.86
SRCPARAM L0001329	0.0007714286	4.00	3.95	1.86
SRCPARAM L0001330	0.0007714286	4.00	3.95	1.86
SRCPARAM L0001331	0.0007714286	4.00	3.95	1.86
SRCPARAM L0001332	0.0007714286	4.00	3.95	1.86
SRCPARAM L0001333	0.0007714286	4.00	3.95	1.86

AERMOD LSTs Operational Output

SRCPARAM	L0001334	0.0007714286	4.00	3.95	1.86
SRCPARAM	L0001335	0.0007714286	4.00	3.95	1.86
SRCPARAM	L0001336	0.0007714286	4.00	3.95	1.86
SRCPARAM	L0001337	0.0007714286	4.00	3.95	1.86
SRCPARAM	L0001338	0.0007714286	4.00	3.95	1.86
SRCPARAM	L0001339	0.0007714286	4.00	3.95	1.86
SRCPARAM	L0001340	0.0007714286	4.00	3.95	1.86
SRCPARAM	L0001341	0.0007714286	4.00	3.95	1.86
SRCPARAM	L0001342	0.0007714286	4.00	3.95	1.86
SRCPARAM	L0001343	0.0007714286	4.00	3.95	1.86
SRCPARAM	L0001344	0.0007714286	4.00	3.95	1.86
SRCPARAM	L0001345	0.0007714286	4.00	3.95	1.86
SRCPARAM	L0001346	0.0007714286	4.00	3.95	1.86
SRCPARAM	L0001347	0.0007714286	4.00	3.95	1.86
SRCPARAM	L0001348	0.0007714286	4.00	3.95	1.86
SRCPARAM	L0001349	0.0007714286	4.00	3.95	1.86
SRCPARAM	L0001350	0.0007714286	4.00	3.95	1.86
SRCPARAM	L0001351	0.0007714286	4.00	3.95	1.86
SRCPARAM	L0001352	0.0007714286	4.00	3.95	1.86
SRCPARAM	L0001353	0.0007714286	4.00	3.95	1.86
SRCPARAM	L0001354	0.0007714286	4.00	3.95	1.86
SRCPARAM	L0001355	0.0007714286	4.00	3.95	1.86
SRCPARAM	L0001356	0.0007714286	4.00	3.95	1.86
SRCPARAM	L0001357	0.0007714286	4.00	3.95	1.86
SRCPARAM	L0001358	0.0007714286	4.00	3.95	1.86
SRCPARAM	L0001359	0.0007714286	4.00	3.95	1.86
SRCPARAM	L0001360	0.0007714286	4.00	3.95	1.86
SRCPARAM	L0001361	0.0007714286	4.00	3.95	1.86
SRCPARAM	L0001362	0.0007714286	4.00	3.95	1.86
SRCPARAM	L0001363	0.0007714286	4.00	3.95	1.86
SRCPARAM	L0001364	0.0007714286	4.00	3.95	1.86
SRCPARAM	L0001365	0.0007714286	4.00	3.95	1.86
SRCPARAM	L0001366	0.0007714286	4.00	3.95	1.86
SRCPARAM	L0001367	0.0007714286	4.00	3.95	1.86
SRCPARAM	L0001368	0.0007714286	4.00	3.95	1.86
SRCPARAM	L0001369	0.0007714286	4.00	3.95	1.86
SRCPARAM	L0001370	0.0007714286	4.00	3.95	1.86
SRCPARAM	L0001371	0.0007714286	4.00	3.95	1.86
SRCPARAM	L0001372	0.0007714286	4.00	3.95	1.86
SRCPARAM	L0001373	0.0007714286	4.00	3.95	1.86
SRCPARAM	L0001374	0.0007714286	4.00	3.95	1.86
SRCPARAM	L0001375	0.0007714286	4.00	3.95	1.86
SRCPARAM	L0001376	0.0007714286	4.00	3.95	1.86
SRCPARAM	L0001377	0.0007714286	4.00	3.95	1.86
SRCPARAM	L0001378	0.0007714286	4.00	3.95	1.86
SRCPARAM	L0001379	0.0007714286	4.00	3.95	1.86

**

** LINE VOLUME Source ID = SLINE8

AERMOD LSTs Operational Output

SRCPARAM L0001380	0.0001643051	4.00	3.95	1.86
SRCPARAM L0001381	0.0001643051	4.00	3.95	1.86
SRCPARAM L0001382	0.0001643051	4.00	3.95	1.86
SRCPARAM L0001383	0.0001643051	4.00	3.95	1.86
SRCPARAM L0001384	0.0001643051	4.00	3.95	1.86
SRCPARAM L0001385	0.0001643051	4.00	3.95	1.86
SRCPARAM L0001386	0.0001643051	4.00	3.95	1.86
SRCPARAM L0001387	0.0001643051	4.00	3.95	1.86
SRCPARAM L0001388	0.0001643051	4.00	3.95	1.86
SRCPARAM L0001389	0.0001643051	4.00	3.95	1.86
SRCPARAM L0001390	0.0001643051	4.00	3.95	1.86
SRCPARAM L0001391	0.0001643051	4.00	3.95	1.86
SRCPARAM L0001392	0.0001643051	4.00	3.95	1.86
SRCPARAM L0001393	0.0001643051	4.00	3.95	1.86
SRCPARAM L0001394	0.0001643051	4.00	3.95	1.86
SRCPARAM L0001395	0.0001643051	4.00	3.95	1.86
SRCPARAM L0001396	0.0001643051	4.00	3.95	1.86
SRCPARAM L0001397	0.0001643051	4.00	3.95	1.86
SRCPARAM L0001398	0.0001643051	4.00	3.95	1.86
SRCPARAM L0001399	0.0001643051	4.00	3.95	1.86
SRCPARAM L0001400	0.0001643051	4.00	3.95	1.86
SRCPARAM L0001401	0.0001643051	4.00	3.95	1.86
SRCPARAM L0001402	0.0001643051	4.00	3.95	1.86
SRCPARAM L0001403	0.0001643051	4.00	3.95	1.86
SRCPARAM L0001404	0.0001643051	4.00	3.95	1.86
SRCPARAM L0001405	0.0001643051	4.00	3.95	1.86
SRCPARAM L0001406	0.0001643051	4.00	3.95	1.86
SRCPARAM L0001407	0.0001643051	4.00	3.95	1.86
SRCPARAM L0001408	0.0001643051	4.00	3.95	1.86
SRCPARAM L0001409	0.0001643051	4.00	3.95	1.86
SRCPARAM L0001410	0.0001643051	4.00	3.95	1.86
SRCPARAM L0001411	0.0001643051	4.00	3.95	1.86
SRCPARAM L0001412	0.0001643051	4.00	3.95	1.86
SRCPARAM L0001413	0.0001643051	4.00	3.95	1.86
SRCPARAM L0001414	0.0001643051	4.00	3.95	1.86
SRCPARAM L0001415	0.0001643051	4.00	3.95	1.86
SRCPARAM L0001416	0.0001643051	4.00	3.95	1.86
SRCPARAM L0001417	0.0001643051	4.00	3.95	1.86
SRCPARAM L0001418	0.0001643051	4.00	3.95	1.86
SRCPARAM L0001419	0.0001643051	4.00	3.95	1.86
SRCPARAM L0001420	0.0001643051	4.00	3.95	1.86
SRCPARAM L0001421	0.0001643051	4.00	3.95	1.86
SRCPARAM L0001422	0.0001643051	4.00	3.95	1.86
SRCPARAM L0001423	0.0001643051	4.00	3.95	1.86
SRCPARAM L0001424	0.0001643051	4.00	3.95	1.86
SRCPARAM L0001425	0.0001643051	4.00	3.95	1.86
SRCPARAM L0001426	0.0001643051	4.00	3.95	1.86
SRCPARAM L0001427	0.0001643051	4.00	3.95	1.86

AERMOD LSTs Operational Output

SRCPARAM	L0001428	0.0001643051	4.00	3.95	1.86
SRCPARAM	L0001429	0.0001643051	4.00	3.95	1.86
SRCPARAM	L0001430	0.0001643051	4.00	3.95	1.86
SRCPARAM	L0001431	0.0001643051	4.00	3.95	1.86
SRCPARAM	L0001432	0.0001643051	4.00	3.95	1.86
SRCPARAM	L0001433	0.0001643051	4.00	3.95	1.86
SRCPARAM	L0001434	0.0001643051	4.00	3.95	1.86
SRCPARAM	L0001435	0.0001643051	4.00	3.95	1.86
SRCPARAM	L0001436	0.0001643051	4.00	3.95	1.86
SRCPARAM	L0001437	0.0001643051	4.00	3.95	1.86
SRCPARAM	L0001438	0.0001643051	4.00	3.95	1.86

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** LINE VOLUME Source ID = SLINE9

SRCPARAM	L0001439	0.0001294286	4.00	3.95	1.86
SRCPARAM	L0001440	0.0001294286	4.00	3.95	1.86
SRCPARAM	L0001441	0.0001294286	4.00	3.95	1.86
SRCPARAM	L0001442	0.0001294286	4.00	3.95	1.86
SRCPARAM	L0001443	0.0001294286	4.00	3.95	1.86
SRCPARAM	L0001444	0.0001294286	4.00	3.95	1.86
SRCPARAM	L0001445	0.0001294286	4.00	3.95	1.86
SRCPARAM	L0001446	0.0001294286	4.00	3.95	1.86
SRCPARAM	L0001447	0.0001294286	4.00	3.95	1.86
SRCPARAM	L0001448	0.0001294286	4.00	3.95	1.86
SRCPARAM	L0001449	0.0001294286	4.00	3.95	1.86
SRCPARAM	L0001450	0.0001294286	4.00	3.95	1.86
SRCPARAM	L0001451	0.0001294286	4.00	3.95	1.86
SRCPARAM	L0001452	0.0001294286	4.00	3.95	1.86
SRCPARAM	L0001453	0.0001294286	4.00	3.95	1.86
SRCPARAM	L0001454	0.0001294286	4.00	3.95	1.86
SRCPARAM	L0001455	0.0001294286	4.00	3.95	1.86
SRCPARAM	L0001456	0.0001294286	4.00	3.95	1.86
SRCPARAM	L0001457	0.0001294286	4.00	3.95	1.86
SRCPARAM	L0001458	0.0001294286	4.00	3.95	1.86
SRCPARAM	L0001459	0.0001294286	4.00	3.95	1.86
SRCPARAM	L0001460	0.0001294286	4.00	3.95	1.86
SRCPARAM	L0001461	0.0001294286	4.00	3.95	1.86
SRCPARAM	L0001462	0.0001294286	4.00	3.95	1.86
SRCPARAM	L0001463	0.0001294286	4.00	3.95	1.86
SRCPARAM	L0001464	0.0001294286	4.00	3.95	1.86
SRCPARAM	L0001465	0.0001294286	4.00	3.95	1.86
SRCPARAM	L0001466	0.0001294286	4.00	3.95	1.86
SRCPARAM	L0001467	0.0001294286	4.00	3.95	1.86
SRCPARAM	L0001468	0.0001294286	4.00	3.95	1.86
SRCPARAM	L0001469	0.0001294286	4.00	3.95	1.86
SRCPARAM	L0001470	0.0001294286	4.00	3.95	1.86
SRCPARAM	L0001471	0.0001294286	4.00	3.95	1.86
SRCPARAM	L0001472	0.0001294286	4.00	3.95	1.86
SRCPARAM	L0001473	0.0001294286	4.00	3.95	1.86

AERMOD LSTs Operational Output

SRCPARAM	L0001474	0.0001294286	4.00	3.95	1.86
SRCPARAM	L0001475	0.0001294286	4.00	3.95	1.86
SRCPARAM	L0001476	0.0001294286	4.00	3.95	1.86
SRCPARAM	L0001477	0.0001294286	4.00	3.95	1.86
SRCPARAM	L0001478	0.0001294286	4.00	3.95	1.86
SRCPARAM	L0001479	0.0001294286	4.00	3.95	1.86
SRCPARAM	L0001480	0.0001294286	4.00	3.95	1.86
SRCPARAM	L0001481	0.0001294286	4.00	3.95	1.86
SRCPARAM	L0001482	0.0001294286	4.00	3.95	1.86
SRCPARAM	L0001483	0.0001294286	4.00	3.95	1.86
SRCPARAM	L0001484	0.0001294286	4.00	3.95	1.86
SRCPARAM	L0001485	0.0001294286	4.00	3.95	1.86
SRCPARAM	L0001486	0.0001294286	4.00	3.95	1.86
SRCPARAM	L0001487	0.0001294286	4.00	3.95	1.86

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** LINE VOLUME Source ID = SLINE10

SRCPARAM	L0001488	0.000221	4.00	3.95	1.86
SRCPARAM	L0001489	0.000221	4.00	3.95	1.86
SRCPARAM	L0001490	0.000221	4.00	3.95	1.86
SRCPARAM	L0001491	0.000221	4.00	3.95	1.86
SRCPARAM	L0001492	0.000221	4.00	3.95	1.86
SRCPARAM	L0001493	0.000221	4.00	3.95	1.86
SRCPARAM	L0001494	0.000221	4.00	3.95	1.86
SRCPARAM	L0001495	0.000221	4.00	3.95	1.86
SRCPARAM	L0001496	0.000221	4.00	3.95	1.86
SRCPARAM	L0001497	0.000221	4.00	3.95	1.86
SRCPARAM	L0001498	0.000221	4.00	3.95	1.86
SRCPARAM	L0001499	0.000221	4.00	3.95	1.86
SRCPARAM	L0001500	0.000221	4.00	3.95	1.86
SRCPARAM	L0001501	0.000221	4.00	3.95	1.86
SRCPARAM	L0001502	0.000221	4.00	3.95	1.86
SRCPARAM	L0001503	0.000221	4.00	3.95	1.86
SRCPARAM	L0001504	0.000221	4.00	3.95	1.86
SRCPARAM	L0001505	0.000221	4.00	3.95	1.86
SRCPARAM	L0001506	0.000221	4.00	3.95	1.86
SRCPARAM	L0001507	0.000221	4.00	3.95	1.86
SRCPARAM	L0001508	0.000221	4.00	3.95	1.86
SRCPARAM	L0001509	0.000221	4.00	3.95	1.86
SRCPARAM	L0001510	0.000221	4.00	3.95	1.86
SRCPARAM	L0001511	0.000221	4.00	3.95	1.86
SRCPARAM	L0001512	0.000221	4.00	3.95	1.86
SRCPARAM	L0001513	0.000221	4.00	3.95	1.86
SRCPARAM	L0001514	0.000221	4.00	3.95	1.86
SRCPARAM	L0001515	0.000221	4.00	3.95	1.86
SRCPARAM	L0001516	0.000221	4.00	3.95	1.86
SRCPARAM	L0001517	0.000221	4.00	3.95	1.86
SRCPARAM	L0001518	0.000221	4.00	3.95	1.86
SRCPARAM	L0001519	0.000221	4.00	3.95	1.86

AERMOD LSTs Operational Output

SRCPARAM L0001520	0.000221	4.00	3.95	1.86
SRCPARAM L0001521	0.000221	4.00	3.95	1.86
SRCPARAM L0001522	0.000221	4.00	3.95	1.86
SRCPARAM L0001523	0.000221	4.00	3.95	1.86
SRCPARAM L0001524	0.000221	4.00	3.95	1.86
SRCPARAM L0001525	0.000221	4.00	3.95	1.86
SRCPARAM L0001526	0.000221	4.00	3.95	1.86
SRCPARAM L0001527	0.000221	4.00	3.95	1.86
SRCPARAM L0001528	0.000221	4.00	3.95	1.86
SRCPARAM L0001529	0.000221	4.00	3.95	1.86
SRCPARAM L0001530	0.000221	4.00	3.95	1.86
SRCPARAM L0001531	0.000221	4.00	3.95	1.86
SRCPARAM L0001532	0.000221	4.00	3.95	1.86
SRCPARAM L0001533	0.000221	4.00	3.95	1.86
SRCPARAM L0001534	0.000221	4.00	3.95	1.86
SRCPARAM L0001535	0.000221	4.00	3.95	1.86
SRCPARAM L0001536	0.000221	4.00	3.95	1.86
SRCPARAM L0001537	0.000221	4.00	3.95	1.86

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SRCPARAM AREA1	7.2063E-07	5.000	75.040	426.520	0.000
SRCPARAM AREA2	7.6292E-07	5.000	57.920	521.960	0.000
SRCPARAM AREA3	2.6736E-06	5.000	143.400	60.160	0.000
SRCPARAM AREA4	8.3817E-07	5.000	72.150	152.500	0.000
SRCPARAM AREA5	1.7523E-06	5.000	61.270	85.900	0.000
SRCPARAM AREA6	7.8505E-07	5.000	65.180	180.230	0.000
SRCPARAM STCK1	0.000642706	3.960	501.000	49.98254	0.044
SRCPARAM STCK2	0.000642706	3.960	501.000	49.98254	0.044
SRCPARAM STCK3	0.000642706	3.960	501.000	49.98254	0.044
SRCPARAM STCK4	0.000642706	3.960	501.000	49.98254	0.044
SRCPARAM STCK5	0.000642706	3.960	501.000	49.98254	0.044
SRCPARAM STCK6	0.000642706	3.960	501.000	49.98254	0.044
SRCPARAM STCK7	0.000642706	3.960	501.000	49.98254	0.044
SRCPARAM STCK8	0.000642706	3.960	501.000	49.98254	0.044
SRCPARAM STCK9	0.000642706	3.960	501.000	49.98254	0.044
SRCPARAM STCK10	0.000642706	3.960	501.000	49.98254	0.044
SRCPARAM STCK11	0.001359712	3.960	501.000	49.98254	0.044
SRCPARAM STCK12	0.001077368	3.960	501.000	49.98254	0.044
SRCPARAM STCK13	0.00184267	3.960	501.000	49.98254	0.044

** LINE VOLUME Source ID = SLINE11

SRCPARAM L0001762	0.0000176422	0.00	3.95	1.40
SRCPARAM L0001763	0.0000176422	0.00	3.95	1.40
SRCPARAM L0001764	0.0000176422	0.00	3.95	1.40
SRCPARAM L0001765	0.0000176422	0.00	3.95	1.40
SRCPARAM L0001766	0.0000176422	0.00	3.95	1.40
SRCPARAM L0001767	0.0000176422	0.00	3.95	1.40
SRCPARAM L0001768	0.0000176422	0.00	3.95	1.40
SRCPARAM L0001769	0.0000176422	0.00	3.95	1.40
SRCPARAM L0001770	0.0000176422	0.00	3.95	1.40

AERMOD LSTs Operational Output

SRCPARAM	L0001771	0.0000176422	0.00	3.95	1.40
SRCPARAM	L0001772	0.0000176422	0.00	3.95	1.40
SRCPARAM	L0001773	0.0000176422	0.00	3.95	1.40
SRCPARAM	L0001774	0.0000176422	0.00	3.95	1.40
SRCPARAM	L0001775	0.0000176422	0.00	3.95	1.40
SRCPARAM	L0001776	0.0000176422	0.00	3.95	1.40
SRCPARAM	L0001777	0.0000176422	0.00	3.95	1.40
SRCPARAM	L0001778	0.0000176422	0.00	3.95	1.40
SRCPARAM	L0001779	0.0000176422	0.00	3.95	1.40
SRCPARAM	L0001780	0.0000176422	0.00	3.95	1.40
SRCPARAM	L0001781	0.0000176422	0.00	3.95	1.40
SRCPARAM	L0001782	0.0000176422	0.00	3.95	1.40
SRCPARAM	L0001783	0.0000176422	0.00	3.95	1.40
SRCPARAM	L0001784	0.0000176422	0.00	3.95	1.40
SRCPARAM	L0001785	0.0000176422	0.00	3.95	1.40
SRCPARAM	L0001786	0.0000176422	0.00	3.95	1.40
SRCPARAM	L0001787	0.0000176422	0.00	3.95	1.40
SRCPARAM	L0001788	0.0000176422	0.00	3.95	1.40
SRCPARAM	L0001789	0.0000176422	0.00	3.95	1.40
SRCPARAM	L0001790	0.0000176422	0.00	3.95	1.40
SRCPARAM	L0001791	0.0000176422	0.00	3.95	1.40
SRCPARAM	L0001792	0.0000176422	0.00	3.95	1.40
SRCPARAM	L0001793	0.0000176422	0.00	3.95	1.40
SRCPARAM	L0001794	0.0000176422	0.00	3.95	1.40
SRCPARAM	L0001795	0.0000176422	0.00	3.95	1.40
SRCPARAM	L0001796	0.0000176422	0.00	3.95	1.40
SRCPARAM	L0001797	0.0000176422	0.00	3.95	1.40
SRCPARAM	L0001798	0.0000176422	0.00	3.95	1.40
SRCPARAM	L0001799	0.0000176422	0.00	3.95	1.40
SRCPARAM	L0001800	0.0000176422	0.00	3.95	1.40
SRCPARAM	L0001801	0.0000176422	0.00	3.95	1.40
SRCPARAM	L0001802	0.0000176422	0.00	3.95	1.40
SRCPARAM	L0001803	0.0000176422	0.00	3.95	1.40
SRCPARAM	L0001804	0.0000176422	0.00	3.95	1.40
SRCPARAM	L0001805	0.0000176422	0.00	3.95	1.40
SRCPARAM	L0001806	0.0000176422	0.00	3.95	1.40

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** LINE VOLUME Source ID = SLINE16

SRCPARAM	L0001852	0.000006667	0.00	3.95	1.40
SRCPARAM	L0001853	0.000006667	0.00	3.95	1.40
SRCPARAM	L0001854	0.000006667	0.00	3.95	1.40
SRCPARAM	L0001855	0.000006667	0.00	3.95	1.40
SRCPARAM	L0001856	0.000006667	0.00	3.95	1.40
SRCPARAM	L0001857	0.000006667	0.00	3.95	1.40
SRCPARAM	L0001858	0.000006667	0.00	3.95	1.40
SRCPARAM	L0001859	0.000006667	0.00	3.95	1.40
SRCPARAM	L0001860	0.000006667	0.00	3.95	1.40
SRCPARAM	L0001861	0.000006667	0.00	3.95	1.40

AERMOD LSTs Operational Output

SRCPARAM	L0001862	0.000006667	0.00	3.95	1.40
SRCPARAM	L0001863	0.000006667	0.00	3.95	1.40
SRCPARAM	L0001864	0.000006667	0.00	3.95	1.40
SRCPARAM	L0001865	0.000006667	0.00	3.95	1.40
SRCPARAM	L0001866	0.000006667	0.00	3.95	1.40
SRCPARAM	L0001867	0.000006667	0.00	3.95	1.40
SRCPARAM	L0001868	0.000006667	0.00	3.95	1.40
SRCPARAM	L0001869	0.000006667	0.00	3.95	1.40
SRCPARAM	L0001870	0.000006667	0.00	3.95	1.40
SRCPARAM	L0001871	0.000006667	0.00	3.95	1.40
SRCPARAM	L0001872	0.000006667	0.00	3.95	1.40
SRCPARAM	L0001873	0.000006667	0.00	3.95	1.40
SRCPARAM	L0001874	0.000006667	0.00	3.95	1.40
SRCPARAM	L0001875	0.000006667	0.00	3.95	1.40
SRCPARAM	L0001876	0.000006667	0.00	3.95	1.40
SRCPARAM	L0001877	0.000006667	0.00	3.95	1.40
SRCPARAM	L0001878	0.000006667	0.00	3.95	1.40
SRCPARAM	L0001879	0.000006667	0.00	3.95	1.40
SRCPARAM	L0001880	0.000006667	0.00	3.95	1.40
SRCPARAM	L0001881	0.000006667	0.00	3.95	1.40
SRCPARAM	L0001882	0.000006667	0.00	3.95	1.40
SRCPARAM	L0001883	0.000006667	0.00	3.95	1.40
SRCPARAM	L0001884	0.000006667	0.00	3.95	1.40
SRCPARAM	L0001885	0.000006667	0.00	3.95	1.40
SRCPARAM	L0001886	0.000006667	0.00	3.95	1.40
SRCPARAM	L0001887	0.000006667	0.00	3.95	1.40
SRCPARAM	L0001888	0.000006667	0.00	3.95	1.40
SRCPARAM	L0001889	0.000006667	0.00	3.95	1.40
SRCPARAM	L0001890	0.000006667	0.00	3.95	1.40
SRCPARAM	L0001891	0.000006667	0.00	3.95	1.40
SRCPARAM	L0001892	0.000006667	0.00	3.95	1.40
SRCPARAM	L0001893	0.000006667	0.00	3.95	1.40
SRCPARAM	L0001894	0.000006667	0.00	3.95	1.40
SRCPARAM	L0001895	0.000006667	0.00	3.95	1.40
SRCPARAM	L0001896	0.000006667	0.00	3.95	1.40

**

** LINE VOLUME Source ID = SLINE12

SRCPARAM	L0001628	0.0000496188	0.00	3.95	1.40
SRCPARAM	L0001629	0.0000496188	0.00	3.95	1.40
SRCPARAM	L0001630	0.0000496188	0.00	3.95	1.40
SRCPARAM	L0001631	0.0000496188	0.00	3.95	1.40
SRCPARAM	L0001632	0.0000496188	0.00	3.95	1.40
SRCPARAM	L0001633	0.0000496188	0.00	3.95	1.40
SRCPARAM	L0001634	0.0000496188	0.00	3.95	1.40
SRCPARAM	L0001635	0.0000496188	0.00	3.95	1.40
SRCPARAM	L0001636	0.0000496188	0.00	3.95	1.40
SRCPARAM	L0001637	0.0000496188	0.00	3.95	1.40
SRCPARAM	L0001638	0.0000496188	0.00	3.95	1.40

AERMOD LSTs Operational Output

SRCPARAM	L0001639	0.0000496188	0.00	3.95	1.40
SRCPARAM	L0001640	0.0000496188	0.00	3.95	1.40
SRCPARAM	L0001641	0.0000496188	0.00	3.95	1.40
SRCPARAM	L0001642	0.0000496188	0.00	3.95	1.40
SRCPARAM	L0001643	0.0000496188	0.00	3.95	1.40

**

** LINE VOLUME Source ID = SLINE17

SRCPARAM	L0001897	0.00000685	0.00	3.95	1.40
SRCPARAM	L0001898	0.00000685	0.00	3.95	1.40
SRCPARAM	L0001899	0.00000685	0.00	3.95	1.40
SRCPARAM	L0001900	0.00000685	0.00	3.95	1.40
SRCPARAM	L0001901	0.00000685	0.00	3.95	1.40
SRCPARAM	L0001902	0.00000685	0.00	3.95	1.40
SRCPARAM	L0001903	0.00000685	0.00	3.95	1.40
SRCPARAM	L0001904	0.00000685	0.00	3.95	1.40
SRCPARAM	L0001905	0.00000685	0.00	3.95	1.40
SRCPARAM	L0001906	0.00000685	0.00	3.95	1.40
SRCPARAM	L0001907	0.00000685	0.00	3.95	1.40
SRCPARAM	L0001908	0.00000685	0.00	3.95	1.40
SRCPARAM	L0001909	0.00000685	0.00	3.95	1.40
SRCPARAM	L0001910	0.00000685	0.00	3.95	1.40
SRCPARAM	L0001911	0.00000685	0.00	3.95	1.40
SRCPARAM	L0001912	0.00000685	0.00	3.95	1.40

**

** LINE VOLUME Source ID = SLINE13

SRCPARAM	L0001913	0.0000244419	0.00	3.95	1.40
SRCPARAM	L0001914	0.0000244419	0.00	3.95	1.40
SRCPARAM	L0001915	0.0000244419	0.00	3.95	1.40
SRCPARAM	L0001916	0.0000244419	0.00	3.95	1.40
SRCPARAM	L0001917	0.0000244419	0.00	3.95	1.40
SRCPARAM	L0001918	0.0000244419	0.00	3.95	1.40
SRCPARAM	L0001919	0.0000244419	0.00	3.95	1.40
SRCPARAM	L0001920	0.0000244419	0.00	3.95	1.40
SRCPARAM	L0001921	0.0000244419	0.00	3.95	1.40
SRCPARAM	L0001922	0.0000244419	0.00	3.95	1.40
SRCPARAM	L0001923	0.0000244419	0.00	3.95	1.40
SRCPARAM	L0001924	0.0000244419	0.00	3.95	1.40
SRCPARAM	L0001925	0.0000244419	0.00	3.95	1.40
SRCPARAM	L0001926	0.0000244419	0.00	3.95	1.40
SRCPARAM	L0001927	0.0000244419	0.00	3.95	1.40
SRCPARAM	L0001928	0.0000244419	0.00	3.95	1.40
SRCPARAM	L0001929	0.0000244419	0.00	3.95	1.40
SRCPARAM	L0001930	0.0000244419	0.00	3.95	1.40
SRCPARAM	L0001931	0.0000244419	0.00	3.95	1.40
SRCPARAM	L0001932	0.0000244419	0.00	3.95	1.40
SRCPARAM	L0001933	0.0000244419	0.00	3.95	1.40
SRCPARAM	L0001934	0.0000244419	0.00	3.95	1.40
SRCPARAM	L0001935	0.0000244419	0.00	3.95	1.40

AERMOD LSTs Operational Output

SRCPARAM L0001936	0.0000244419	0.00	3.95	1.40
SRCPARAM L0001937	0.0000244419	0.00	3.95	1.40
SRCPARAM L0001938	0.0000244419	0.00	3.95	1.40
SRCPARAM L0001939	0.0000244419	0.00	3.95	1.40
SRCPARAM L0001940	0.0000244419	0.00	3.95	1.40
SRCPARAM L0001941	0.0000244419	0.00	3.95	1.40
SRCPARAM L0001942	0.0000244419	0.00	3.95	1.40
SRCPARAM L0001943	0.0000244419	0.00	3.95	1.40

**

** LINE VOLUME Source ID = SLINE18

SRCPARAM L0001944	0.000006332	0.00	3.95	1.40
SRCPARAM L0001945	0.000006332	0.00	3.95	1.40
SRCPARAM L0001946	0.000006332	0.00	3.95	1.40
SRCPARAM L0001947	0.000006332	0.00	3.95	1.40
SRCPARAM L0001948	0.000006332	0.00	3.95	1.40
SRCPARAM L0001949	0.000006332	0.00	3.95	1.40
SRCPARAM L0001950	0.000006332	0.00	3.95	1.40
SRCPARAM L0001951	0.000006332	0.00	3.95	1.40
SRCPARAM L0001952	0.000006332	0.00	3.95	1.40
SRCPARAM L0001953	0.000006332	0.00	3.95	1.40
SRCPARAM L0001954	0.000006332	0.00	3.95	1.40
SRCPARAM L0001955	0.000006332	0.00	3.95	1.40
SRCPARAM L0001956	0.000006332	0.00	3.95	1.40
SRCPARAM L0001957	0.000006332	0.00	3.95	1.40
SRCPARAM L0001958	0.000006332	0.00	3.95	1.40
SRCPARAM L0001959	0.000006332	0.00	3.95	1.40
SRCPARAM L0001960	0.000006332	0.00	3.95	1.40
SRCPARAM L0001961	0.000006332	0.00	3.95	1.40
SRCPARAM L0001962	0.000006332	0.00	3.95	1.40
SRCPARAM L0001963	0.000006332	0.00	3.95	1.40
SRCPARAM L0001964	0.000006332	0.00	3.95	1.40
SRCPARAM L0001965	0.000006332	0.00	3.95	1.40
SRCPARAM L0001966	0.000006332	0.00	3.95	1.40
SRCPARAM L0001967	0.000006332	0.00	3.95	1.40
SRCPARAM L0001968	0.000006332	0.00	3.95	1.40
SRCPARAM L0001969	0.000006332	0.00	3.95	1.40
SRCPARAM L0001970	0.000006332	0.00	3.95	1.40
SRCPARAM L0001971	0.000006332	0.00	3.95	1.40
SRCPARAM L0001972	0.000006332	0.00	3.95	1.40
SRCPARAM L0001973	0.000006332	0.00	3.95	1.40
SRCPARAM L0001974	0.000006332	0.00	3.95	1.40

**

** LINE VOLUME Source ID = SLINE14

SRCPARAM L0001975	0.0000752375	0.00	3.95	1.40
SRCPARAM L0001976	0.0000752375	0.00	3.95	1.40
SRCPARAM L0001977	0.0000752375	0.00	3.95	1.40
SRCPARAM L0001978	0.0000752375	0.00	3.95	1.40
SRCPARAM L0001979	0.0000752375	0.00	3.95	1.40

AERMOD LSTs Operational Output

SRCPARAM L0001980	0.0000752375	0.00	3.95	1.40
SRCPARAM L0001981	0.0000752375	0.00	3.95	1.40
SRCPARAM L0001982	0.0000752375	0.00	3.95	1.40

**

** LINE VOLUME Source ID = SLINE19

SRCPARAM L0001730	0.00000481	0.00	3.95	1.40
SRCPARAM L0001731	0.00000481	0.00	3.95	1.40
SRCPARAM L0001732	0.00000481	0.00	3.95	1.40
SRCPARAM L0001733	0.00000481	0.00	3.95	1.40
SRCPARAM L0001734	0.00000481	0.00	3.95	1.40
SRCPARAM L0001735	0.00000481	0.00	3.95	1.40
SRCPARAM L0001736	0.00000481	0.00	3.95	1.40
SRCPARAM L0001737	0.00000481	0.00	3.95	1.40

**

** LINE VOLUME Source ID = SLINE15

SRCPARAM L0001738	0.0010475	0.00	3.95	1.40
SRCPARAM L0001739	0.0010475	0.00	3.95	1.40
SRCPARAM L0001740	0.0010475	0.00	3.95	1.40
SRCPARAM L0001741	0.0010475	0.00	3.95	1.40
SRCPARAM L0001742	0.0010475	0.00	3.95	1.40
SRCPARAM L0001743	0.0010475	0.00	3.95	1.40
SRCPARAM L0001744	0.0010475	0.00	3.95	1.40
SRCPARAM L0001745	0.0010475	0.00	3.95	1.40
SRCPARAM L0001746	0.0010475	0.00	3.95	1.40
SRCPARAM L0001747	0.0010475	0.00	3.95	1.40
SRCPARAM L0001748	0.0010475	0.00	3.95	1.40
SRCPARAM L0001749	0.0010475	0.00	3.95	1.40

**

** LINE VOLUME Source ID = SLINE20

SRCPARAM L0001750	0.000009025	0.00	3.95	1.40
SRCPARAM L0001751	0.000009025	0.00	3.95	1.40
SRCPARAM L0001752	0.000009025	0.00	3.95	1.40
SRCPARAM L0001753	0.000009025	0.00	3.95	1.40
SRCPARAM L0001754	0.000009025	0.00	3.95	1.40
SRCPARAM L0001755	0.000009025	0.00	3.95	1.40
SRCPARAM L0001756	0.000009025	0.00	3.95	1.40
SRCPARAM L0001757	0.000009025	0.00	3.95	1.40
SRCPARAM L0001758	0.000009025	0.00	3.95	1.40
SRCPARAM L0001759	0.000009025	0.00	3.95	1.40
SRCPARAM L0001760	0.000009025	0.00	3.95	1.40
SRCPARAM L0001761	0.000009025	0.00	3.95	1.40

**

URBANSRC ALL

CONCUNIT 531.5 GRAMS/SEC PPM

** OLM Source Groups for Combined Plumes

OLMGROUP ALL

SRCGROUP ALL

SO FINISHED

AERMOD LSTs Operational Output

```
**
*****
** AERMOD Receptor Pathway
*****
**
**
RE STARTING
  INCLUDED NOx.rou
RE FINISHED
**
*****
** AERMOD Meteorology Pathway
*****
**
**
ME STARTING
  SURFFILE ..\..\peri8.sfc
  PROFFILE ..\..\peri8.PFL
  SURFDATA 3190 2007
  UAIRDATA 3190 2007
  SITEDATA 99999 2007
  PROFBASE 442.0 METERS
ME FINISHED
**
*****
** AERMOD Output Pathway
*****
**
**
OU STARTING
  RECTABLE ALLAVE 1ST
  RECTABLE 1 1ST
** Auto-Generated Plotfiles
  PLOTFILE 1 ALL 1ST NOX.AD\01H1GALL.PLT 31
  SUMMFILE NOx.sum
OU FINISHED

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

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

A Total of          0 Fatal Error Message(s)
A Total of          3 Warning Message(s)
A Total of          0 Informational Message(s)
```

***** FATAL ERROR MESSAGES *****

AERMOD LSTs Operational Output

*** NONE ***

***** WARNING MESSAGES *****

CO W276 23 POLLID: Special proc for 1h-NO2/SO2 24hPM25 NAAQS disabled
NO2 H1H
CO W271 32 COCARD: O3FILE w/o O3VALs; full conv for hrs with miss O3

ME W531 1784 MEOPEN: CAUTION! Met Station ID Missing from SURFFILE for
SURFDATA

*** SETUP Finishes Successfully ***

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View\MVL\OperationalLSTs\NOx\NOx.isc *** 11/03/15
*** AERMET - VERSION 14134 *** ***
*** 12:37:14

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**MODELOPTs: NonDEFAULT CONC ELEV FLGPOL OLM URBAN

*** 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 656 Source(s),
for Total of 1 Urban Area(s):
Urban Population = 2100516.0 ; 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. Ozone Limiting Method (OLM) Used for NO2 Conversion
with an Equilibrium NO2/NOx Ratio of 0.900 and

AERMOD LSTs Operational Output
with 1 OLMGROUP(s)
7. Urban Roughness Length of 1.0 Meter Used.

****Other Options Specified:**

TEMP_Sub - Meteorological data includes TEMP substitutions

****Model Accepts FLAGPOLE Receptor Heights.**

****The User Specified a Pollutant Type of: NO2**

****NOTE: Special processing requirements applicable for the 1-hour NO2 NAAQS have been disabled!!!**

User has specified H1H on the POLLUTID keyword.

High ranked 1-hour values are NOT averaged across the number of years modeled, and
complete years of data are NOT required.

****Model Calculates 1 Short Term Average(s) of: 1-HR**

****This Run Includes: 656 Source(s); 1 Source Group(s); and 8 Receptor(s)**

with: 13 POINT(s), including
0 POINTCAP(s) and 0 POINTHOR(s)
and: 637 VOLUME source(s)
and: 6 AREA type source(s)
and: 0 LINE source(s)
and: 0 OPENPIT source(s)

****This Run Includes OZONE Values for a Single Sector
HOURLY OZONE Values are Available**

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

****The AERMET Input Meteorological Data Version Date: 14134**

****Output Options Selected:**

Model Outputs Tables of Highest Short Term Values by Receptor (RECTABLE
Keyword)

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**

AERMOD LSTs Operational Output

b for Both Calm

and Missing Hours

**Misc. Inputs: Base Elev. for Pot. Temp. Profile (m MSL) = 442.00 ; Decay
Coef. = 0.000 ; Rot. Angle = 0.0
Emission Units = GRAMS/SEC ;
Emission Rate Unit Factor = 531.50
Output Units = PPM

**Approximate Storage Requirements of Model = 3.9 MB of RAM.

**Detailed Error/Message File: NOx.err

**File for Summary of Results: NOx.sum

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**MODELOPTs: NonDEFAULT CONC ELEV FLGPOL OLM URBAN

*** POINT SOURCE DATA ***

STACK	STACK	BLDG	URBAN	CAP/	EMIS	RATE	BASE	STACK	STACK
SOURCE	PART.	(USER	UNITS)	X	Y		ELEV.	HEIGHT	TEMP.
EXIT VEL.	DIAMETER	EXISTS	SOURCE	HOR	SCALAR		(METERS)	(METERS)	(DEG.K)
ID	CATS.			(METERS)	(METERS)		(METERS)	(METERS)	(DEG.K)
(M/SEC)	(METERS)			VARY BY					
STCK1		0	0.64271E-03	478197.3	3748887.5		453.0	3.96	501.00
49.98	0.04	NO	YES NO						
STCK2		0	0.64271E-03	478195.1	3748735.6		452.0	3.96	501.00
49.98	0.04	NO	YES NO						
STCK3		0	0.64271E-03	478195.8	3748573.3		452.0	3.96	501.00
49.98	0.04	NO	YES NO						
STCK4		0	0.64271E-03	478198.1	3748428.1		451.0	3.96	501.00
49.98	0.04	NO	YES NO						
STCK5		0	0.64271E-03	477956.2	3748894.1		453.0	3.96	501.00
49.98	0.04	NO	YES NO						
STCK6		0	0.64271E-03	477962.1	3748741.5		453.0	3.96	501.00
49.98	0.04	NO	YES NO						
STCK7		0	0.64271E-03	477962.8	3748581.4		452.0	3.96	501.00

AERMOD LSTs Operational Output

49.98	0.04	NO	YES	NO				
STCK8		0	0.64271E-03	477964.3	3748509.9	451.8	3.96	501.00
49.98	0.04	NO	YES	NO				
STCK9		0	0.64271E-03	478049.1	3748355.8	451.0	3.96	501.00
49.98	0.04	NO	YES	NO				
STCK10		0	0.64271E-03	478153.1	3748357.3	451.0	3.96	501.00
49.98	0.04	NO	YES	NO				
STCK11		0	0.13597E-02	477756.4	3748910.9	453.2	3.96	501.00
49.98	0.04	NO	YES	NO				
STCK12		0	0.10774E-02	477975.8	3748266.9	450.0	3.96	501.00
49.98	0.04	NO	YES	NO				
STCK13		0	0.18427E-02	477612.5	3748890.5	454.0	3.96	501.00

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 **MODELOPTs: NonDEFAULT CONC ELEV FLGPOL OLM URBAN

*** VOLUME SOURCE DATA ***

INIT.	URBAN	NUMBER	EMISSION	RATE		BASE	RELEASE	INIT.
INIT.	URBAN	EMISSION	RATE					
SOURCE		PART.	(USER	UNITS)	X	Y	ELEV.	HEIGHT
SZ	SOURCE	SCALAR	VARY					
ID		CATS.		(METERS)	(METERS)	(METERS)	(METERS)	(METERS)
(METERS)		BY						
L0001125		0	0.16406E-02	478216.2	3748416.3	451.0	4.00	13.95
1.86	YES							
L0001126		0	0.16406E-02	478216.3	3748446.3	451.0	4.00	13.95
1.86	YES							
L0001127		0	0.16406E-02	478216.5	3748476.3	451.2	4.00	13.95
1.86	YES							
L0001128		0	0.16406E-02	478216.6	3748506.3	451.7	4.00	13.95
1.86	YES							
L0001129		0	0.16406E-02	478216.7	3748536.3	452.0	4.00	13.95
1.86	YES							
L0001130		0	0.16406E-02	478216.9	3748566.3	452.0	4.00	13.95
1.86	YES							
L0001131		0	0.16406E-02	478217.0	3748596.3	452.0	4.00	13.95
1.86	YES							
L0001132		0	0.16406E-02	478217.2	3748626.3	452.0	4.00	13.95

AERMOD LSTs Operational Output

1.86	YES							
L0001133		0	0.16406E-02	478217.3	3748656.3	452.0	4.00	13.95
1.86	YES							
L0001134		0	0.16406E-02	478217.4	3748686.3	452.0	4.00	13.95
1.86	YES							
L0001135		0	0.16406E-02	478217.6	3748716.3	452.0	4.00	13.95
1.86	YES							
L0001136		0	0.16406E-02	478217.7	3748746.3	452.0	4.00	13.95
1.86	YES							
L0001137		0	0.16406E-02	478217.8	3748776.3	452.0	4.00	13.95
1.86	YES							
L0001138		0	0.16406E-02	478218.0	3748806.3	452.7	4.00	13.95
1.86	YES							
L0001139		0	0.16406E-02	478218.1	3748836.3	453.0	4.00	13.95
1.86	YES							
L0001140		0	0.16406E-02	478218.3	3748866.3	453.0	4.00	13.95
1.86	YES							
L0001141		0	0.16406E-02	478218.4	3748896.3	453.0	4.00	13.95
1.86	YES							
L0001142		0	0.17000E-02	477943.9	3748501.1	451.5	4.00	13.95
1.86	YES							
L0001143		0	0.17000E-02	477944.1	3748531.1	452.0	4.00	13.95
1.86	YES							
L0001144		0	0.17000E-02	477944.4	3748561.1	452.0	4.00	13.95
1.86	YES							
L0001145		0	0.17000E-02	477944.7	3748591.1	452.0	4.00	13.95
1.86	YES							
L0001146		0	0.17000E-02	477944.9	3748621.1	452.0	4.00	13.95
1.86	YES							
L0001147		0	0.17000E-02	477945.2	3748651.1	452.0	4.00	13.95
1.86	YES							
L0001148		0	0.17000E-02	477945.4	3748681.1	452.5	4.00	13.95
1.86	YES							
L0001149		0	0.17000E-02	477945.7	3748711.1	453.0	4.00	13.95
1.86	YES							
L0001150		0	0.17000E-02	477945.9	3748741.1	453.0	4.00	13.95
1.86	YES							
L0001151		0	0.17000E-02	477946.2	3748771.1	453.0	4.00	13.95
1.86	YES							
L0001152		0	0.17000E-02	477946.5	3748801.1	453.0	4.00	13.95
1.86	YES							
L0001153		0	0.17000E-02	477946.7	3748831.1	453.0	4.00	13.95
1.86	YES							
L0001154		0	0.17000E-02	477947.0	3748861.1	453.0	4.00	13.95
1.86	YES							
L0001155		0	0.17000E-02	477947.2	3748891.1	453.0	4.00	13.95
1.86	YES							
L0001156		0	0.15675E-02	477756.7	3748938.5	454.0	4.00	3.95

AERMOD LSTs Operational Output

1.86	YES							
L0001157		0	0.15675E-02	477756.7	3748930.0	453.8	4.00	3.95
1.86	YES							
L0001158		0	0.15675E-02	477756.7	3748921.5	453.6	4.00	3.95
1.86	YES							
L0001159		0	0.15675E-02	477756.7	3748913.0	453.3	4.00	3.95
1.86	YES							
L0001160		0	0.15675E-02	477756.7	3748904.5	453.1	4.00	3.95
1.86	YES							
L0001161		0	0.15675E-02	477756.7	3748896.0	453.1	4.00	3.95
1.86	YES							
L0001162		0	0.15675E-02	477756.7	3748887.5	453.1	4.00	3.95
1.86	YES							
L0001163		0	0.15675E-02	477756.7	3748879.0	453.1	4.00	3.95
1.86	YES							
L0001164		0	0.47329E-03	477900.2	3748339.0	451.0	4.00	3.95

1.86 YES
 ♀ *** AERMOD - VERSION 15181 *** *** C:\Lakes\AERMOD
 View\MVL\OperationalLSTs\NOx\NOx.isc *** 11/03/15
 *** AERMET - VERSION 14134 *** ***
 *** 12:37:14

***MODELOPTs: NonDEFAULT CONC PAGE 4
 ELEV FLGPOL OLM URBAN

*** VOLUME SOURCE DATA ***

INIT.	URBAN	NUMBER EMISSION RATE	BASE	RELEASE	INIT.
SOURCE	SCALAR	EMISSION RATE	ELEV.	HEIGHT	SY
SZ	SCALAR	PART. (USER UNITS)	(METERS)	(METERS)	(METERS)
ID	CATS.	BY	(METERS)	(METERS)	(METERS)
(METERS)					
L0001165	0	0.47329E-03	477908.7	3748339.0	451.0
1.86 YES	0	0.47329E-03	477917.1	3748338.9	451.0
L0001166	0	0.47329E-03	477925.6	3748338.8	451.0
1.86 YES	0	0.47329E-03	477934.1	3748338.8	451.0
L0001167	0	0.47329E-03	477942.6	3748338.0	451.0
1.86 YES	0	0.47329E-03	477947.6	3748331.8	451.0
L0001168	0	0.47329E-03			
1.86 YES	0	0.47329E-03			
L0001169	0	0.47329E-03			
1.86 YES	0	0.47329E-03			
L0001170	0	0.47329E-03			

AERMOD LSTs Operational Output

1.86	YES							
L0001171		0	0.47329E-03	477951.8	3748324.5	451.0	4.00	3.95
1.86	YES							
L0001172		0	0.47329E-03	477956.1	3748317.1	450.0	4.00	3.95
1.86	YES							
L0001173		0	0.47329E-03	477960.3	3748309.7	450.0	4.00	3.95
1.86	YES							
L0001174		0	0.47329E-03	477964.6	3748302.3	450.0	4.00	3.95
1.86	YES							
L0001175		0	0.47329E-03	477968.8	3748295.0	450.0	4.00	3.95
1.86	YES							
L0001176		0	0.47329E-03	477973.0	3748287.6	450.0	4.00	3.95
1.86	YES							
L0001177		0	0.47329E-03	477976.2	3748279.9	450.0	4.00	3.95
1.86	YES							
L0001178		0	0.47329E-03	477977.3	3748271.5	450.0	4.00	3.95
1.86	YES							
L0001179		0	0.47329E-03	477978.3	3748263.0	450.0	4.00	3.95
1.86	YES							
L0001180		0	0.47329E-03	477978.3	3748254.5	450.0	4.00	3.95
1.86	YES							
L0001181		0	0.47329E-03	477978.3	3748246.0	450.0	4.00	3.95
1.86	YES							
L0001182		0	0.47329E-03	477978.2	3748237.5	450.0	4.00	3.95
1.86	YES							
L0001183		0	0.47329E-03	477978.2	3748229.0	450.0	4.00	3.95
1.86	YES							
L0001184		0	0.47329E-03	477978.1	3748220.5	450.0	4.00	3.95
1.86	YES							
L0001185		0	0.11333E-02	477608.7	3748929.3	454.0	0.00	3.95
1.86	YES							
L0001186		0	0.11333E-02	477608.7	3748920.8	454.0	0.00	3.95
1.86	YES							
L0001187		0	0.11333E-02	477608.7	3748912.3	454.0	0.00	3.95
1.86	YES							
L0001188		0	0.11333E-02	477608.7	3748903.8	454.0	0.00	3.95
1.86	YES							
L0001189		0	0.11333E-02	477608.7	3748895.3	454.0	0.00	3.95
1.86	YES							
L0001190		0	0.11333E-02	477608.7	3748886.8	454.0	0.00	3.95
1.86	YES							
L0001191		0	0.11333E-02	477608.7	3748878.3	454.0	0.00	3.95
1.86	YES							
L0001192		0	0.11333E-02	477608.7	3748869.8	454.0	0.00	3.95
1.86	YES							
L0001193		0	0.11333E-02	477608.7	3748861.3	454.0	0.00	3.95
1.86	YES							
L0001194		0	0.11333E-02	477608.7	3748852.8	454.0	0.00	3.95

AERMOD LSTs Operational Output

1.86	YES							
L0001195		0	0.11333E-02	477608.7	3748844.3	454.0	0.00	3.95
1.86	YES							
L0001196		0	0.11333E-02	477608.7	3748835.8	454.0	0.00	3.95
1.86	YES							
L0001197		0	0.11333E-02	477608.7	3748827.3	454.0	0.00	3.95
1.86	YES							
L0001198		0	0.11333E-02	477608.7	3748818.8	454.0	0.00	3.95
1.86	YES							
L0001199		0	0.11333E-02	477608.7	3748810.3	454.0	0.00	3.95
1.86	YES							
L0001200		0	0.15352E-02	478043.0	3748335.2	451.0	0.00	13.95
1.86	YES							
L0001201		0	0.15352E-02	478073.0	3748334.5	451.0	0.00	13.95
1.86	YES							
L0001202		0	0.15352E-02	478103.0	3748333.9	451.0	0.00	13.95
1.86	YES							
L0001203		0	0.15352E-02	478133.0	3748333.2	451.0	0.00	13.95
1.86	YES							
L0001204		0	0.15352E-02	478163.0	3748332.6	451.0	0.00	13.95

1.86 YES
 ♀ *** AERMOD - VERSION 15181 *** *** C:\Lakes\AERMOD
 View\MVL\OperationalLSTs\NOx\NOx.isc *** 11/03/15
 *** AERMET - VERSION 14134 *** ***
 *** 12:37:14

***MODELOPTs: NonDEFAULT CONC PAGE 5
 ELEV FLGPOL OLM URBAN

*** VOLUME SOURCE DATA ***

INIT.	URBAN	NUMBER EMISSION RATE	BASE	RELEASE	INIT.
SOURCE	EMISSION RATE				
SZ	PART. (USER UNITS)	X	Y	ELEV.	HEIGHT
ID	SCALAR VARY	(METERS)	(METERS)	(METERS)	(METERS)
(METERS)	CATS.	BY			

L0001205	0	0.77143E-03	477952.3	3748971.4	453.0	4.00	3.95
1.86	YES						
L0001206	0	0.77143E-03	477952.2	3748962.9	453.0	4.00	3.95
1.86	YES						
L0001207	0	0.77143E-03	477952.0	3748954.4	453.0	4.00	3.95
1.86	YES						
L0001208	0	0.77143E-03	477951.4	3748946.0	453.0	4.00	3.95

AERMOD LSTs Operational Output

1.86	YES							
L0001209		0	0.77143E-03	477950.2	3748937.5	453.0	4.00	3.95
1.86	YES							
L0001210		0	0.77143E-03	477949.0	3748929.1	453.0	4.00	3.95
1.86	YES							
L0001211		0	0.77143E-03	477948.2	3748920.7	453.0	4.00	3.95
1.86	YES							
L0001212		0	0.77143E-03	477948.1	3748912.2	453.0	4.00	3.95
1.86	YES							
L0001213		0	0.77143E-03	477947.9	3748903.7	453.0	4.00	3.95
1.86	YES							
L0001214		0	0.77143E-03	477947.8	3748895.2	453.0	4.00	3.95
1.86	YES							
L0001215		0	0.77143E-03	477947.6	3748886.7	453.0	4.00	3.95
1.86	YES							
L0001216		0	0.77143E-03	477947.5	3748878.2	453.0	4.00	3.95
1.86	YES							
L0001217		0	0.77143E-03	477947.3	3748869.7	453.0	4.00	3.95
1.86	YES							
L0001218		0	0.77143E-03	477947.2	3748861.2	453.0	4.00	3.95
1.86	YES							
L0001219		0	0.77143E-03	477947.2	3748852.7	453.0	4.00	3.95
1.86	YES							
L0001220		0	0.77143E-03	477947.1	3748844.2	453.0	4.00	3.95
1.86	YES							
L0001221		0	0.77143E-03	477947.0	3748835.7	453.0	4.00	3.95
1.86	YES							
L0001222		0	0.77143E-03	477947.0	3748827.2	453.0	4.00	3.95
1.86	YES							
L0001223		0	0.77143E-03	477946.9	3748818.7	453.0	4.00	3.95
1.86	YES							
L0001224		0	0.77143E-03	477946.8	3748810.2	453.0	4.00	3.95
1.86	YES							
L0001225		0	0.77143E-03	477946.7	3748801.7	453.0	4.00	3.95
1.86	YES							
L0001226		0	0.77143E-03	477946.7	3748793.2	453.0	4.00	3.95
1.86	YES							
L0001227		0	0.77143E-03	477946.6	3748784.7	453.0	4.00	3.95
1.86	YES							
L0001228		0	0.77143E-03	477946.5	3748776.2	453.0	4.00	3.95
1.86	YES							
L0001229		0	0.77143E-03	477946.5	3748767.7	453.0	4.00	3.95
1.86	YES							
L0001230		0	0.77143E-03	477946.4	3748759.2	453.0	4.00	3.95
1.86	YES							
L0001231		0	0.77143E-03	477946.3	3748750.7	453.0	4.00	3.95
1.86	YES							
L0001232		0	0.77143E-03	477946.3	3748742.2	453.0	4.00	3.95

AERMOD LSTs Operational Output

1.86	YES							
L0001233		0	0.77143E-03	477946.2	3748733.7	453.0	4.00	3.95
1.86	YES							
L0001234		0	0.77143E-03	477946.1	3748725.2	453.0	4.00	3.95
1.86	YES							
L0001235		0	0.77143E-03	477946.1	3748716.7	453.0	4.00	3.95
1.86	YES							
L0001236		0	0.77143E-03	477946.0	3748708.2	453.0	4.00	3.95
1.86	YES							
L0001237		0	0.77143E-03	477945.9	3748699.7	453.0	4.00	3.95
1.86	YES							
L0001238		0	0.77143E-03	477945.9	3748691.2	452.8	4.00	3.95
1.86	YES							
L0001239		0	0.77143E-03	477945.8	3748682.7	452.5	4.00	3.95
1.86	YES							
L0001240		0	0.77143E-03	477945.7	3748674.2	452.2	4.00	3.95
1.86	YES							
L0001241		0	0.77143E-03	477945.7	3748665.7	452.0	4.00	3.95
1.86	YES							
L0001242		0	0.77143E-03	477945.6	3748657.2	452.0	4.00	3.95
1.86	YES							
L0001243		0	0.77143E-03	477945.5	3748648.7	452.0	4.00	3.95
1.86	YES							
L0001244		0	0.77143E-03	477945.4	3748640.2	452.0	4.00	3.95

1.86 YES
 ♀ *** AERMOD - VERSION 15181 *** *** C:\Lakes\AERMOD
 View\MVL\OperationalLSTs\NOx\NOx.isc *** 11/03/15
 *** AERMET - VERSION 14134 *** ***
 *** 12:37:14

***MODELOPTs: NonDEFAULT CONC PAGE 6
 ELEV FLGPOL OLM URBAN

*** VOLUME SOURCE DATA ***

INIT.	URBAN	NUMBER EMISSION RATE			BASE	RELEASE	INIT.
SOURCE		EMISSION RATE					
SZ	SOURCE	PART. (USER UNITS)	X	Y	ELEV.	HEIGHT	SY
ID		SCALAR VARY					
(METERS)		CATS.	(METERS)	(METERS)	(METERS)	(METERS)	(METERS)
		BY					
L0001245		0	0.77143E-03	477945.4	3748631.7	452.0	3.95
1.86	YES						
L0001246		0	0.77143E-03	477945.3	3748623.2	452.0	3.95

AERMOD LSTs Operational Output

1.86	YES							
L0001247		0	0.77143E-03	477945.2	3748614.7	452.0	4.00	3.95
1.86	YES							
L0001248		0	0.77143E-03	477945.2	3748606.2	452.0	4.00	3.95
1.86	YES							
L0001249		0	0.77143E-03	477945.1	3748597.7	452.0	4.00	3.95
1.86	YES							
L0001250		0	0.77143E-03	477945.0	3748589.2	452.0	4.00	3.95
1.86	YES							
L0001251		0	0.77143E-03	477945.0	3748580.7	452.0	4.00	3.95
1.86	YES							
L0001252		0	0.77143E-03	477944.9	3748572.2	452.0	4.00	3.95
1.86	YES							
L0001253		0	0.77143E-03	477944.8	3748563.7	452.0	4.00	3.95
1.86	YES							
L0001254		0	0.77143E-03	477944.8	3748555.2	452.0	4.00	3.95
1.86	YES							
L0001255		0	0.77143E-03	477944.7	3748546.7	452.0	4.00	3.95
1.86	YES							
L0001256		0	0.77143E-03	477944.6	3748538.2	452.0	4.00	3.95
1.86	YES							
L0001257		0	0.77143E-03	477944.6	3748529.7	452.0	4.00	3.95
1.86	YES							
L0001258		0	0.77143E-03	477944.5	3748521.2	452.0	4.00	3.95
1.86	YES							
L0001259		0	0.77143E-03	477944.4	3748512.7	451.9	4.00	3.95
1.86	YES							
L0001260		0	0.77143E-03	477944.4	3748504.2	451.6	4.00	3.95
1.86	YES							
L0001261		0	0.77143E-03	477944.3	3748495.7	451.3	4.00	3.95
1.86	YES							
L0001262		0	0.77143E-03	477944.7	3748487.3	451.0	4.00	3.95
1.86	YES							
L0001263		0	0.77143E-03	477948.7	3748479.8	451.0	4.00	3.95
1.86	YES							
L0001264		0	0.77143E-03	477952.8	3748472.3	451.0	4.00	3.95
1.86	YES							
L0001265		0	0.77143E-03	477956.8	3748464.9	451.0	4.00	3.95
1.86	YES							
L0001266		0	0.77143E-03	477960.8	3748457.4	451.0	4.00	3.95
1.86	YES							
L0001267		0	0.77143E-03	477964.8	3748449.9	451.0	4.00	3.95
1.86	YES							
L0001268		0	0.77143E-03	477968.8	3748442.4	451.0	4.00	3.95
1.86	YES							
L0001269		0	0.77143E-03	477972.8	3748434.9	451.0	4.00	3.95
1.86	YES							
L0001270		0	0.77143E-03	477976.9	3748427.4	451.0	4.00	3.95

AERMOD LSTs Operational Output

1.86	YES							
L0001271		0	0.77143E-03	477980.9	3748419.9	451.0	4.00	3.95
1.86	YES							
L0001272		0	0.77143E-03	477984.9	3748412.4	451.0	4.00	3.95
1.86	YES							
L0001273		0	0.77143E-03	477988.9	3748404.9	451.0	4.00	3.95
1.86	YES							
L0001274		0	0.77143E-03	477992.9	3748397.4	451.0	4.00	3.95
1.86	YES							
L0001275		0	0.77143E-03	477996.9	3748389.9	451.0	4.00	3.95
1.86	YES							
L0001276		0	0.77143E-03	478001.0	3748382.4	451.0	4.00	3.95
1.86	YES							
L0001277		0	0.77143E-03	478005.0	3748375.0	451.0	4.00	3.95
1.86	YES							
L0001278		0	0.77143E-03	478009.0	3748367.5	451.0	4.00	3.95
1.86	YES							
L0001279		0	0.77143E-03	478013.0	3748360.0	451.0	4.00	3.95
1.86	YES							
L0001280		0	0.77143E-03	478017.1	3748352.5	451.0	4.00	3.95
1.86	YES							
L0001281		0	0.77143E-03	478021.7	3748345.4	451.0	4.00	3.95
1.86	YES							
L0001282		0	0.77143E-03	478026.4	3748338.3	451.0	4.00	3.95
1.86	YES							
L0001283		0	0.77143E-03	478033.8	3748336.4	451.0	4.00	3.95
1.86	YES							
L0001284		0	0.77143E-03	478042.3	3748336.5	451.0	4.00	3.95

1.86 YES
 *** AERMOD - VERSION 15181 *** C:\Lakes\AERMOD
 View\MVL\OperationalLSTs\NOx\NOx.isc *** 11/03/15
 *** AERMET - VERSION 14134 ***
 *** 12:37:14

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 **MODELOPTs: NonDEFAULT CONC ELEV FLGPOL OLM URBAN

*** VOLUME SOURCE DATA ***

INIT.	URBAN	NUMBER EMISSION RATE	BASE	RELEASE	INIT.
SOURCE	SCALAR VARY	PART. (USER UNITS)	ELEV.	HEIGHT	SY
SZ	ID	CATS.	(METERS)	(METERS)	(METERS)
(METERS)	BY				

AERMOD LSTs Operational Output

L0001285	0	0.77143E-03	478050.8	3748336.6	451.0	4.00	3.95
1.86 YES							
L0001286	0	0.77143E-03	478059.3	3748336.7	451.0	4.00	3.95
1.86 YES							
L0001287	0	0.77143E-03	478067.8	3748336.8	451.0	4.00	3.95
1.86 YES							
L0001288	0	0.77143E-03	478076.3	3748336.9	451.0	4.00	3.95
1.86 YES							
L0001289	0	0.77143E-03	478084.8	3748337.0	451.0	4.00	3.95
1.86 YES							
L0001290	0	0.77143E-03	478093.3	3748337.1	451.0	4.00	3.95
1.86 YES							
L0001291	0	0.77143E-03	478101.8	3748337.2	451.0	4.00	3.95
1.86 YES							
L0001292	0	0.77143E-03	478110.3	3748337.3	451.0	4.00	3.95
1.86 YES							
L0001293	0	0.77143E-03	478118.8	3748337.4	451.0	4.00	3.95
1.86 YES							
L0001294	0	0.77143E-03	478127.3	3748337.4	451.0	4.00	3.95
1.86 YES							
L0001295	0	0.77143E-03	478135.8	3748337.5	451.0	4.00	3.95
1.86 YES							
L0001296	0	0.77143E-03	478144.3	3748337.6	451.0	4.00	3.95
1.86 YES							
L0001297	0	0.77143E-03	478152.8	3748337.7	451.0	4.00	3.95
1.86 YES							
L0001298	0	0.77143E-03	478161.3	3748337.8	451.0	4.00	3.95
1.86 YES							
L0001299	0	0.77143E-03	478169.8	3748337.9	451.0	4.00	3.95
1.86 YES							
L0001300	0	0.77143E-03	478178.3	3748338.0	451.0	4.00	3.95
1.86 YES							
L0001301	0	0.77143E-03	478186.8	3748338.1	451.0	4.00	3.95
1.86 YES							
L0001302	0	0.77143E-03	478195.3	3748338.2	451.0	4.00	3.95
1.86 YES							
L0001303	0	0.77143E-03	478203.8	3748338.3	451.0	4.00	3.95
1.86 YES							
L0001304	0	0.77143E-03	478212.3	3748338.4	451.0	4.00	3.95
1.86 YES							
L0001305	0	0.77143E-03	478215.8	3748343.4	451.0	4.00	3.95
1.86 YES							
L0001306	0	0.77143E-03	478215.9	3748351.9	451.0	4.00	3.95
1.86 YES							
L0001307	0	0.77143E-03	478216.0	3748360.4	451.0	4.00	3.95
1.86 YES							
L0001308	0	0.77143E-03	478216.0	3748368.9	451.0	4.00	3.95

AERMOD LSTs Operational Output

1.86	YES							
L0001309		0	0.77143E-03	478216.1	3748377.4	451.0	4.00	3.95
1.86	YES							
L0001310		0	0.77143E-03	478216.1	3748385.9	451.0	4.00	3.95
1.86	YES							
L0001311		0	0.77143E-03	478216.2	3748394.4	451.0	4.00	3.95
1.86	YES							
L0001312		0	0.77143E-03	478216.3	3748402.9	451.0	4.00	3.95
1.86	YES							
L0001313		0	0.77143E-03	478216.3	3748411.4	451.0	4.00	3.95
1.86	YES							
L0001314		0	0.77143E-03	478216.4	3748419.9	451.0	4.00	3.95
1.86	YES							
L0001315		0	0.77143E-03	478216.4	3748428.4	451.0	4.00	3.95
1.86	YES							
L0001316		0	0.77143E-03	478216.5	3748436.9	451.0	4.00	3.95
1.86	YES							
L0001317		0	0.77143E-03	478216.6	3748445.4	451.0	4.00	3.95
1.86	YES							
L0001318		0	0.77143E-03	478216.6	3748453.9	451.0	4.00	3.95
1.86	YES							
L0001319		0	0.77143E-03	478216.7	3748462.4	451.0	4.00	3.95
1.86	YES							
L0001320		0	0.77143E-03	478216.7	3748470.9	451.1	4.00	3.95
1.86	YES							
L0001321		0	0.77143E-03	478216.8	3748479.4	451.2	4.00	3.95
1.86	YES							
L0001322		0	0.77143E-03	478216.9	3748487.9	451.3	4.00	3.95
1.86	YES							
L0001323		0	0.77143E-03	478216.9	3748496.4	451.5	4.00	3.95
1.86	YES							
L0001324		0	0.77143E-03	478217.0	3748504.9	451.7	4.00	3.95

1.86 YES
 ♀ *** AERMOD - VERSION 15181 *** C:\Lakes\AERMOD
 View\MVL\OperationalLSTs\NOx\NOx.isc *** 11/03/15
 *** AERMET - VERSION 14134 ***
 *** 12:37:14

**MODELOPTs: NonDEFAULT CONC PAGE 8
 ELEV FLGPOL OLM URBAN

*** VOLUME SOURCE DATA ***

INIT.	URBAN	NUMBER EMISSION RATE	BASE	RELEASE	INIT.
SOURCE		EMISSION RATE			
SZ	SOURCE	PART. (USER UNITS)	X	Y	SY
		SCALAR VARY		ELEV.	HEIGHT

AERMOD LSTs Operational Output

ID CATS. (METERS) (METERS) (METERS) (METERS) (METERS)
BY

- - - - -
- - - - -

L0001325	0	0.77143E-03	478217.0	3748513.4	451.9	4.00	3.95
1.86 YES							
L0001326	0	0.77143E-03	478217.1	3748521.9	452.0	4.00	3.95
1.86 YES							
L0001327	0	0.77143E-03	478217.2	3748530.4	452.0	4.00	3.95
1.86 YES							
L0001328	0	0.77143E-03	478217.2	3748538.9	452.0	4.00	3.95
1.86 YES							
L0001329	0	0.77143E-03	478217.3	3748547.4	452.0	4.00	3.95
1.86 YES							
L0001330	0	0.77143E-03	478217.3	3748555.9	452.0	4.00	3.95
1.86 YES							
L0001331	0	0.77143E-03	478217.4	3748564.4	452.0	4.00	3.95
1.86 YES							
L0001332	0	0.77143E-03	478217.5	3748572.9	452.0	4.00	3.95
1.86 YES							
L0001333	0	0.77143E-03	478217.5	3748581.4	452.0	4.00	3.95
1.86 YES							
L0001334	0	0.77143E-03	478217.6	3748589.9	452.0	4.00	3.95
1.86 YES							
L0001335	0	0.77143E-03	478217.7	3748598.4	452.0	4.00	3.95
1.86 YES							
L0001336	0	0.77143E-03	478217.7	3748606.9	452.0	4.00	3.95
1.86 YES							
L0001337	0	0.77143E-03	478217.8	3748615.4	452.0	4.00	3.95
1.86 YES							
L0001338	0	0.77143E-03	478217.8	3748623.9	452.0	4.00	3.95
1.86 YES							
L0001339	0	0.77143E-03	478217.9	3748632.4	452.0	4.00	3.95
1.86 YES							
L0001340	0	0.77143E-03	478218.0	3748640.9	452.0	4.00	3.95
1.86 YES							
L0001341	0	0.77143E-03	478218.0	3748649.4	452.0	4.00	3.95
1.86 YES							
L0001342	0	0.77143E-03	478218.1	3748657.9	452.0	4.00	3.95
1.86 YES							
L0001343	0	0.77143E-03	478218.1	3748666.4	452.0	4.00	3.95
1.86 YES							
L0001344	0	0.77143E-03	478218.2	3748674.9	452.0	4.00	3.95
1.86 YES							
L0001345	0	0.77143E-03	478218.3	3748683.4	452.0	4.00	3.95
1.86 YES							
L0001346	0	0.77143E-03	478218.3	3748691.9	452.0	4.00	3.95

AERMOD LSTs Operational Output

1.86	YES							
L0001347		0	0.77143E-03	478218.4	3748700.4	452.0	4.00	3.95
1.86	YES							
L0001348		0	0.77143E-03	478218.4	3748708.9	452.0	4.00	3.95
1.86	YES							
L0001349		0	0.77143E-03	478218.5	3748717.4	452.0	4.00	3.95
1.86	YES							
L0001350		0	0.77143E-03	478218.6	3748725.9	452.0	4.00	3.95
1.86	YES							
L0001351		0	0.77143E-03	478218.6	3748734.4	452.0	4.00	3.95
1.86	YES							
L0001352		0	0.77143E-03	478218.7	3748742.9	452.0	4.00	3.95
1.86	YES							
L0001353		0	0.77143E-03	478218.7	3748751.4	452.0	4.00	3.95
1.86	YES							
L0001354		0	0.77143E-03	478218.8	3748759.9	452.0	4.00	3.95
1.86	YES							
L0001355		0	0.77143E-03	478218.9	3748768.4	452.0	4.00	3.95
1.86	YES							
L0001356		0	0.77143E-03	478218.9	3748776.9	452.0	4.00	3.95
1.86	YES							
L0001357		0	0.77143E-03	478219.0	3748785.4	452.0	4.00	3.95
1.86	YES							
L0001358		0	0.77143E-03	478219.0	3748793.9	452.2	4.00	3.95
1.86	YES							
L0001359		0	0.77143E-03	478219.1	3748802.4	452.5	4.00	3.95
1.86	YES							
L0001360		0	0.77143E-03	478219.2	3748810.9	452.8	4.00	3.95
1.86	YES							
L0001361		0	0.77143E-03	478219.2	3748819.4	453.0	4.00	3.95
1.86	YES							
L0001362		0	0.77143E-03	478219.3	3748827.9	453.0	4.00	3.95
1.86	YES							
L0001363		0	0.77143E-03	478219.3	3748836.4	453.0	4.00	3.95
1.86	YES							
L0001364		0	0.77143E-03	478219.4	3748844.9	453.0	4.00	3.95

1.86 YES
 ♀ *** AERMOD - VERSION 15181 *** *** C:\Lakes\AERMOD
 View\MVL\OperationalLSTs\NOx\NOx.isc *** 11/03/15
 *** AERMET - VERSION 14134 *** ***
 *** 12:37:14

***MODELOPTs: NonDEFAULT CONC PAGE 9
 ELEV FLGPOL OLM URBAN

*** VOLUME SOURCE DATA ***

AERMOD LSTs Operational Output								
INIT.	URBAN	NUMBER	EMISSION	RATE		BASE	RELEASE	INIT.
SOURCE		EMISSION	RATE					
SZ	SOURCE	PART.	(USER	UNITS)	X	Y	ELEV.	HEIGHT
ID		SCALAR	VARY		(METERS)	(METERS)	(METERS)	(METERS)
(METERS)		CATS.	BY					(METERS)
L0001365		0	0.77143E-03	478219.5	3748853.4	453.0	4.00	3.95
1.86	YES							
L0001366		0	0.77143E-03	478219.5	3748861.9	453.0	4.00	3.95
1.86	YES							
L0001367		0	0.77143E-03	478219.6	3748870.4	453.0	4.00	3.95
1.86	YES							
L0001368		0	0.77143E-03	478219.6	3748878.9	453.0	4.00	3.95
1.86	YES							
L0001369		0	0.77143E-03	478219.7	3748887.4	453.0	4.00	3.95
1.86	YES							
L0001370		0	0.77143E-03	478219.8	3748895.9	453.0	4.00	3.95
1.86	YES							
L0001371		0	0.77143E-03	478219.8	3748904.4	453.0	4.00	3.95
1.86	YES							
L0001372		0	0.77143E-03	478219.9	3748912.9	453.0	4.00	3.95
1.86	YES							
L0001373		0	0.77143E-03	478217.5	3748921.1	453.0	4.00	3.95
1.86	YES							
L0001374		0	0.77143E-03	478215.0	3748929.2	453.0	4.00	3.95
1.86	YES							
L0001375		0	0.77143E-03	478212.6	3748937.3	453.0	4.00	3.95
1.86	YES							
L0001376		0	0.77143E-03	478210.1	3748945.4	453.0	4.00	3.95
1.86	YES							
L0001377		0	0.77143E-03	478207.6	3748953.6	453.0	4.00	3.95
1.86	YES							
L0001378		0	0.77143E-03	478205.1	3748961.7	453.0	4.00	3.95
1.86	YES							
L0001379		0	0.77143E-03	478202.7	3748969.8	453.0	4.00	3.95
1.86	YES							
L0001380		0	0.16431E-03	477852.8	3748835.2	453.0	4.00	3.95
1.86	YES							
L0001381		0	0.16431E-03	477852.8	3748843.7	453.0	4.00	3.95
1.86	YES							
L0001382		0	0.16431E-03	477852.9	3748852.2	453.0	4.00	3.95
1.86	YES							
L0001383		0	0.16431E-03	477852.9	3748860.7	453.0	4.00	3.95
1.86	YES							
L0001384		0	0.16431E-03	477853.0	3748869.2	453.0	4.00	3.95

AERMOD LSTs Operational Output

1.86	YES							
L0001385		0	0.16431E-03	477853.0	3748877.7	453.0	4.00	3.95
1.86	YES							
L0001386		0	0.16431E-03	477853.1	3748886.2	453.0	4.00	3.95
1.86	YES							
L0001387		0	0.16431E-03	477853.1	3748894.7	453.0	4.00	3.95
1.86	YES							
L0001388		0	0.16431E-03	477853.1	3748903.2	453.0	4.00	3.95
1.86	YES							
L0001389		0	0.16431E-03	477853.2	3748911.7	453.0	4.00	3.95
1.86	YES							
L0001390		0	0.16431E-03	477853.2	3748920.2	453.0	4.00	3.95
1.86	YES							
L0001391		0	0.16431E-03	477853.3	3748928.7	453.0	4.00	3.95
1.86	YES							
L0001392		0	0.16431E-03	477853.3	3748937.2	453.0	4.00	3.95
1.86	YES							
L0001393		0	0.16431E-03	477853.4	3748945.7	453.0	4.00	3.95
1.86	YES							
L0001394		0	0.16431E-03	477853.4	3748954.2	453.0	4.00	3.95
1.86	YES							
L0001395		0	0.16431E-03	477853.5	3748962.7	453.0	4.00	3.95
1.86	YES							
L0001396		0	0.16431E-03	477853.5	3748971.2	453.2	4.00	3.95
1.86	YES							
L0001397		0	0.16431E-03	477853.5	3748979.7	453.4	4.00	3.95
1.86	YES							
L0001398		0	0.16431E-03	477845.0	3748979.7	453.5	4.00	3.95
1.86	YES							
L0001399		0	0.16431E-03	477836.5	3748979.6	453.7	4.00	3.95
1.86	YES							
L0001400		0	0.16431E-03	477828.0	3748979.6	453.9	4.00	3.95
1.86	YES							
L0001401		0	0.16431E-03	477819.5	3748979.6	454.0	4.00	3.95
1.86	YES							
L0001402		0	0.16431E-03	477811.0	3748979.6	454.0	4.00	3.95
1.86	YES							
L0001403		0	0.16431E-03	477802.5	3748979.6	454.0	4.00	3.95
1.86	YES							
L0001404		0	0.16431E-03	477794.0	3748979.5	454.0	4.00	3.95

1.86 YES
 ♀ *** AERMOD - VERSION 15181 *** *** C:\Lakes\AERMOD
 View\MVL\OperationalLSTs\NOx\NOx.isc *** 11/03/15
 *** AERMET - VERSION 14134 *** ***
 *** 12:37:14

**MODELOPTs: NonDEFAULT CONC PAGE 10
 ELEV FLGPOL OLM URBAN

AERMOD LSTs Operational Output

*** VOLUME SOURCE DATA ***

INIT.	URBAN	NUMBER EMISSION RATE	BASE	RELEASE	INIT.
SOURCE		EMISSION RATE			
SZ	SOURCE	PART. (USER UNITS)	X	Y	SY
ID		SCALAR VARY			
(METERS)		CATS.	(METERS)	(METERS)	(METERS)
		BY			

L0001405		0	0.16431E-03	477785.5	3748979.5
1.86	YES			454.0	4.00
L0001406		0	0.16431E-03	477777.0	3748979.5
1.86	YES			454.0	4.00
L0001407		0	0.16431E-03	477768.5	3748979.5
1.86	YES			454.0	4.00
L0001408		0	0.16431E-03	477760.0	3748979.5
1.86	YES			454.0	4.00
L0001409		0	0.16431E-03	477751.5	3748979.4
1.86	YES			454.0	4.00
L0001410		0	0.16431E-03	477743.0	3748979.4
1.86	YES			454.0	4.00
L0001411		0	0.16431E-03	477742.7	3748971.2
1.86	YES			454.0	4.00
L0001412		0	0.16431E-03	477742.7	3748962.7
1.86	YES			454.0	4.00
L0001413		0	0.16431E-03	477742.6	3748954.2
1.86	YES			454.0	4.00
L0001414		0	0.16431E-03	477742.6	3748945.7
1.86	YES			454.0	4.00
L0001415		0	0.16431E-03	477742.5	3748937.2
1.86	YES			454.0	4.00
L0001416		0	0.16431E-03	477742.5	3748928.7
1.86	YES			453.9	4.00
L0001417		0	0.16431E-03	477742.4	3748920.2
1.86	YES			453.8	4.00
L0001418		0	0.16431E-03	477742.4	3748911.7
1.86	YES			453.7	4.00
L0001419		0	0.16431E-03	477742.3	3748903.2
1.86	YES			453.6	4.00
L0001420		0	0.16431E-03	477742.3	3748894.7
1.86	YES			453.6	4.00
L0001421		0	0.16431E-03	477742.2	3748886.2
1.86	YES			453.6	4.00
L0001422		0	0.16431E-03	477744.2	3748878.0
				453.5	4.00

AERMOD LSTs Operational Output

1.86	YES							
L0001423		0	0.16431E-03	477746.5	3748869.8	453.6	4.00	3.95
1.86	YES							
L0001424		0	0.16431E-03	477748.8	3748861.6	453.7	4.00	3.95
1.86	YES							
L0001425		0	0.16431E-03	477751.1	3748853.4	453.8	4.00	3.95
1.86	YES							
L0001426		0	0.16431E-03	477753.4	3748845.3	454.0	4.00	3.95
1.86	YES							
L0001427		0	0.16431E-03	477757.5	3748838.2	453.7	4.00	3.95
1.86	YES							
L0001428		0	0.16431E-03	477763.8	3748832.5	453.5	4.00	3.95
1.86	YES							
L0001429		0	0.16431E-03	477770.1	3748826.8	453.2	4.00	3.95
1.86	YES							
L0001430		0	0.16431E-03	477778.6	3748826.5	453.1	4.00	3.95
1.86	YES							
L0001431		0	0.16431E-03	477787.1	3748826.4	453.0	4.00	3.95
1.86	YES							
L0001432		0	0.16431E-03	477795.6	3748826.2	453.0	4.00	3.95
1.86	YES							
L0001433		0	0.16431E-03	477804.1	3748826.1	453.0	4.00	3.95
1.86	YES							
L0001434		0	0.16431E-03	477812.6	3748826.1	453.0	4.00	3.95
1.86	YES							
L0001435		0	0.16431E-03	477821.1	3748826.0	453.0	4.00	3.95
1.86	YES							
L0001436		0	0.16431E-03	477829.6	3748826.0	453.0	4.00	3.95
1.86	YES							
L0001437		0	0.16431E-03	477838.1	3748825.9	453.0	4.00	3.95
1.86	YES							
L0001438		0	0.16431E-03	477846.6	3748825.8	453.0	4.00	3.95
1.86	YES							
L0001439		0	0.12943E-03	477886.6	3748203.7	450.0	4.00	3.95
1.86	YES							
L0001440		0	0.12943E-03	477886.4	3748212.2	450.0	4.00	3.95
1.86	YES							
L0001441		0	0.12943E-03	477886.3	3748220.7	450.1	4.00	3.95
1.86	YES							
L0001442		0	0.12943E-03	477886.1	3748229.2	450.3	4.00	3.95
1.86	YES							
L0001443		0	0.12943E-03	477885.9	3748237.7	450.6	4.00	3.95
1.86	YES							
L0001444		0	0.12943E-03	477885.7	3748246.2	450.8	4.00	3.95

1.86 YES
 ♀ *** AERMOD - VERSION 15181 *** *** C:\Lakes\AERMOD
 View\MVL\OperationalLSTs\NOx\NOx.isc *** 11/03/15
 *** AERMET - VERSION 14134 *** ***

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**MODELOPTs:  NonDEFAULT CONC      PAGE  11
               ELEV      FLGPOL      OLM      URBAN

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INIT.	URBAN	NUMBER	EMISSION	RATE		BASE	RELEASE	INIT.		
SOURCE	EMISSION	RATE	PART.	(USER	UNITS)	X	Y	ELEV.	HEIGHT	SY
SZ	SOURCE	SCALAR	VARY							
ID	CATS.			(METERS)	(METERS)	(METERS)	(METERS)	(METERS)	(METERS)	(METERS)
(METERS)		BY								

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AERMOD LSTs Operational Output

1.86	YES							
L0001461		0	0.12943E-03	477939.8	3748338.2	451.0	4.00	3.95
1.86	YES							
L0001462		0	0.12943E-03	477945.5	3748332.6	451.0	4.00	3.95
1.86	YES							
L0001463		0	0.12943E-03	477950.6	3748325.7	451.0	4.00	3.95
1.86	YES							
L0001464		0	0.12943E-03	477955.0	3748318.5	450.0	4.00	3.95
1.86	YES							
L0001465		0	0.12943E-03	477959.4	3748311.2	450.0	4.00	3.95
1.86	YES							
L0001466		0	0.12943E-03	477963.8	3748303.9	450.0	4.00	3.95
1.86	YES							
L0001467		0	0.12943E-03	477968.2	3748296.7	450.0	4.00	3.95
1.86	YES							
L0001468		0	0.12943E-03	477972.6	3748289.4	450.0	4.00	3.95
1.86	YES							
L0001469		0	0.12943E-03	477975.8	3748281.7	450.0	4.00	3.95
1.86	YES							
L0001470		0	0.12943E-03	477977.7	3748273.4	450.0	4.00	3.95
1.86	YES							
L0001471		0	0.12943E-03	477979.6	3748265.1	450.0	4.00	3.95
1.86	YES							
L0001472		0	0.12943E-03	477981.3	3748256.8	450.0	4.00	3.95
1.86	YES							
L0001473		0	0.12943E-03	477980.6	3748248.3	450.0	4.00	3.95
1.86	YES							
L0001474		0	0.12943E-03	477979.9	3748239.8	450.0	4.00	3.95
1.86	YES							
L0001475		0	0.12943E-03	477979.2	3748231.4	450.0	4.00	3.95
1.86	YES							
L0001476		0	0.12943E-03	477978.4	3748222.9	450.0	4.00	3.95
1.86	YES							
L0001477		0	0.12943E-03	477982.6	3748217.0	450.0	4.00	3.95
1.86	YES							
L0001478		0	0.12943E-03	477990.0	3748212.7	450.0	4.00	3.95
1.86	YES							
L0001479		0	0.12943E-03	477994.0	3748206.5	450.0	4.00	3.95
1.86	YES							
L0001480		0	0.12943E-03	477994.1	3748198.0	450.0	4.00	3.95
1.86	YES							
L0001481		0	0.12943E-03	477986.1	3748197.5	450.0	4.00	3.95
1.86	YES							
L0001482		0	0.12943E-03	477977.6	3748197.5	450.0	4.00	3.95
1.86	YES							
L0001483		0	0.12943E-03	477969.1	3748197.5	450.0	4.00	3.95
1.86	YES							
L0001484		0	0.12943E-03	477960.6	3748197.5	450.0	4.00	3.95

AERMOD LSTs Operational Output

1.86 YES

♀ *** AERMOD - VERSION 15181 *** *** C:\Lakes\AERMOD
View\MVL\OperationalLSTs\NOx\NOx.isc *** 11/03/15
*** AERMET - VERSION 14134 *** ***
*** 12:37:14

**MODELOPTs: NonDEFAULT CONC PAGE 12
ELEV FLGPOL OLM URBAN

*** VOLUME SOURCE DATA ***

INIT.	URBAN	NUMBER EMISSION RATE	BASE	RELEASE	INIT.
SOURCE	EMISSION RATE				
SZ	PART. (USER UNITS)	X	Y	ELEV.	HEIGHT
ID	SCALAR VARY	(METERS)	(METERS)	(METERS)	(METERS)
(METERS)	CATS.	BY			SY
L0001485	0	0.12943E-03	477952.1	3748197.5	450.0
1.86 YES					
L0001486	0	0.12943E-03	477943.6	3748197.5	450.0
1.86 YES					
L0001487	0	0.12943E-03	477935.1	3748197.5	450.0
1.86 YES					
L0001488	0	0.22100E-03	477505.1	3748975.7	454.2
1.86 YES					
L0001489	0	0.22100E-03	477513.6	3748975.6	454.1
1.86 YES					
L0001490	0	0.22100E-03	477522.1	3748975.4	454.0
1.86 YES					
L0001491	0	0.22100E-03	477530.6	3748975.2	454.0
1.86 YES					
L0001492	0	0.22100E-03	477539.1	3748975.1	454.0
1.86 YES					
L0001493	0	0.22100E-03	477547.6	3748974.9	454.0
1.86 YES					
L0001494	0	0.22100E-03	477556.1	3748974.7	454.0
1.86 YES					
L0001495	0	0.22100E-03	477564.6	3748974.6	454.0
1.86 YES					
L0001496	0	0.22100E-03	477573.1	3748974.4	454.0
1.86 YES					
L0001497	0	0.22100E-03	477581.6	3748974.2	454.0
1.86 YES					
L0001498	0	0.22100E-03	477590.1	3748974.1	454.0

AERMOD LSTs Operational Output

1.86	YES							
L0001499		0	0.22100E-03	477598.5	3748973.8	454.0	4.00	3.95
1.86	YES							
L0001500		0	0.22100E-03	477605.4	3748968.8	454.0	4.00	3.95
1.86	YES							
L0001501		0	0.22100E-03	477611.1	3748963.0	454.0	4.00	3.95
1.86	YES							
L0001502		0	0.22100E-03	477613.4	3748954.9	454.0	4.00	3.95
1.86	YES							
L0001503		0	0.22100E-03	477615.7	3748946.7	454.0	4.00	3.95
1.86	YES							
L0001504		0	0.22100E-03	477618.0	3748938.5	454.0	4.00	3.95
1.86	YES							
L0001505		0	0.22100E-03	477620.0	3748930.2	454.0	4.00	3.95
1.86	YES							
L0001506		0	0.22100E-03	477621.7	3748921.9	454.0	4.00	3.95
1.86	YES							
L0001507		0	0.22100E-03	477623.4	3748913.6	454.0	4.00	3.95
1.86	YES							
L0001508		0	0.22100E-03	477625.1	3748905.3	454.0	4.00	3.95
1.86	YES							
L0001509		0	0.22100E-03	477626.2	3748896.9	454.0	4.00	3.95
1.86	YES							
L0001510		0	0.22100E-03	477626.4	3748888.4	454.0	4.00	3.95
1.86	YES							
L0001511		0	0.22100E-03	477626.5	3748879.9	454.0	4.00	3.95
1.86	YES							
L0001512		0	0.22100E-03	477626.6	3748871.4	454.0	4.00	3.95
1.86	YES							
L0001513		0	0.22100E-03	477626.7	3748862.9	454.0	4.00	3.95
1.86	YES							
L0001514		0	0.22100E-03	477626.8	3748854.4	454.0	4.00	3.95
1.86	YES							
L0001515		0	0.22100E-03	477626.9	3748845.9	454.0	4.00	3.95
1.86	YES							
L0001516		0	0.22100E-03	477627.0	3748837.4	454.0	4.00	3.95
1.86	YES							
L0001517		0	0.22100E-03	477627.1	3748828.9	454.0	4.00	3.95
1.86	YES							
L0001518		0	0.22100E-03	477627.2	3748820.4	454.0	4.00	3.95
1.86	YES							
L0001519		0	0.22100E-03	477627.3	3748811.9	454.0	4.00	3.95
1.86	YES							
L0001520		0	0.22100E-03	477627.5	3748803.4	454.0	4.00	3.95
1.86	YES							
L0001521		0	0.22100E-03	477627.0	3748795.5	454.0	4.00	3.95
1.86	YES							
L0001522		0	0.22100E-03	477618.5	3748795.7	454.0	4.00	3.95

AERMOD LSTs Operational Output

1.86 YES
L0001523 0 0.22100E-03 477610.0 3748795.9 454.0 4.00 3.95

1.86 YES
L0001524 0 0.22100E-03 477601.5 3748796.2 454.0 4.00 3.95

1.86 YES
♀ *** AERMOD - VERSION 15181 *** *** C:\Lakes\AERMOD
View\MVL\OperationalLSTs\NOx\NOx.isc *** 11/03/15
*** AERMET - VERSION 14134 ***
*** 12:37:14

***MODELOPTs: NonDEFAULT CONC PAGE 13
ELEV FLGPOL OLM URBAN

*** VOLUME SOURCE DATA ***

INIT.	URBAN	NUMBER EMISSION RATE	BASE	RELEASE	INIT.
SOURCE	EMISSION RATE				
SZ	PART. (USER UNITS)	X	Y	ELEV.	HEIGHT
ID	SCALAR VARY	(METERS)	(METERS)	(METERS)	(METERS)
(METERS)	CATS.	BY			

L0001525	0	0.22100E-03	477593.0	3748796.4	454.0	4.00	3.95
1.86 YES							
L0001526	0	0.22100E-03	477584.5	3748796.6	454.0	4.00	3.95
1.86 YES							
L0001527	0	0.22100E-03	477576.0	3748796.9	454.0	4.00	3.95
1.86 YES							
L0001528	0	0.22100E-03	477567.5	3748797.1	454.0	4.00	3.95
1.86 YES							
L0001529	0	0.22100E-03	477559.0	3748797.3	454.0	4.00	3.95
1.86 YES							
L0001530	0	0.22100E-03	477550.5	3748797.5	454.0	4.00	3.95
1.86 YES							
L0001531	0	0.22100E-03	477542.0	3748797.8	454.0	4.00	3.95
1.86 YES							
L0001532	0	0.22100E-03	477533.5	3748798.0	454.0	4.00	3.95
1.86 YES							
L0001533	0	0.22100E-03	477525.0	3748798.2	454.0	4.00	3.95
1.86 YES							
L0001534	0	0.22100E-03	477516.5	3748798.5	454.0	4.00	3.95
1.86 YES							
L0001535	0	0.22100E-03	477508.0	3748798.7	454.0	4.00	3.95
1.86 YES							
L0001536	0	0.22100E-03	477499.5	3748798.9	454.0	4.00	3.95

AERMOD LSTs Operational Output

1.86	YES							
L0001537		0	0.22100E-03	477491.0	3748799.2	454.0	4.00	3.95
1.86	YES							
L0001762		0	0.17642E-04	477922.3	3748920.1	453.0	0.00	3.95
1.40	YES							
L0001763		0	0.17642E-04	477921.9	3748928.6	453.0	0.00	3.95
1.40	YES							
L0001764		0	0.17642E-04	477921.5	3748937.1	453.0	0.00	3.95
1.40	YES							
L0001765		0	0.17642E-04	477921.1	3748945.6	453.0	0.00	3.95
1.40	YES							
L0001766		0	0.17642E-04	477920.7	3748954.1	453.0	0.00	3.95
1.40	YES							
L0001767		0	0.17642E-04	477927.7	3748955.6	453.0	0.00	3.95
1.40	YES							
L0001768		0	0.17642E-04	477936.2	3748955.6	453.0	0.00	3.95
1.40	YES							
L0001769		0	0.17642E-04	477944.7	3748955.7	453.0	0.00	3.95
1.40	YES							
L0001770		0	0.17642E-04	477953.2	3748955.7	453.0	0.00	3.95
1.40	YES							
L0001771		0	0.17642E-04	477961.7	3748955.8	453.0	0.00	3.95
1.40	YES							
L0001772		0	0.17642E-04	477970.2	3748955.8	453.0	0.00	3.95
1.40	YES							
L0001773		0	0.17642E-04	477978.7	3748955.9	453.0	0.00	3.95
1.40	YES							
L0001774		0	0.17642E-04	477987.2	3748955.9	453.0	0.00	3.95
1.40	YES							
L0001775		0	0.17642E-04	477995.7	3748956.0	453.0	0.00	3.95
1.40	YES							
L0001776		0	0.17642E-04	478004.2	3748956.1	453.0	0.00	3.95
1.40	YES							
L0001777		0	0.17642E-04	478012.7	3748956.1	453.0	0.00	3.95
1.40	YES							
L0001778		0	0.17642E-04	478021.2	3748956.2	453.0	0.00	3.95
1.40	YES							
L0001779		0	0.17642E-04	478029.7	3748956.2	453.0	0.00	3.95
1.40	YES							
L0001780		0	0.17642E-04	478038.2	3748956.3	453.0	0.00	3.95
1.40	YES							
L0001781		0	0.17642E-04	478046.7	3748956.3	453.0	0.00	3.95
1.40	YES							
L0001782		0	0.17642E-04	478055.2	3748956.4	453.0	0.00	3.95
1.40	YES							
L0001783		0	0.17642E-04	478063.7	3748956.4	453.0	0.00	3.95
1.40	YES							
L0001784		0	0.17642E-04	478072.2	3748956.5	453.0	0.00	3.95

AERMOD LSTs Operational Output

1.40	YES							
L0001785		0	0.17642E-04	478080.7	3748956.5	453.0	0.00	3.95
1.40	YES							
L0001786		0	0.17642E-04	478089.2	3748956.6	453.0	0.00	3.95
1.40	YES							
L0001787		0	0.17642E-04	478097.7	3748956.6	453.0	0.00	3.95
1.40	YES							
L0001788		0	0.17642E-04	478106.2	3748956.7	453.0	0.00	3.95
1.40	YES							

♀ *** AERMOD - VERSION 15181 *** *** C:\Lakes\AERMOD
 View\MVL\OperationalLSTs\NOx\NOx.isc *** 11/03/15
 *** AERMET - VERSION 14134 *** ***
 *** 12:37:14

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 **MODELOPTs: NonDEFAULT CONC ELEV FLGPOL OLM URBAN

*** VOLUME SOURCE DATA ***

INIT.	URBAN	NUMBER	EMISSION	RATE		BASE	RELEASE	INIT.
SOURCE		EMISSION	RATE					
SZ	SOURCE	PART.	(USER	UNITS)	X	Y	ELEV.	HEIGHT
ID		SCALAR	VARY					
(METERS)		CATS.			(METERS)	(METERS)	(METERS)	(METERS)
		BY						(METERS)

L0001789		0	0.17642E-04	478114.7	3748956.7	453.0	0.00	3.95
1.40	YES							
L0001790		0	0.17642E-04	478123.2	3748956.8	453.0	0.00	3.95
1.40	YES							
L0001791		0	0.17642E-04	478131.7	3748956.8	453.0	0.00	3.95
1.40	YES							
L0001792		0	0.17642E-04	478140.2	3748956.9	453.0	0.00	3.95
1.40	YES							
L0001793		0	0.17642E-04	478148.7	3748956.9	453.0	0.00	3.95
1.40	YES							
L0001794		0	0.17642E-04	478157.2	3748957.0	453.0	0.00	3.95
1.40	YES							
L0001795		0	0.17642E-04	478165.7	3748957.0	453.0	0.00	3.95
1.40	YES							
L0001796		0	0.17642E-04	478174.2	3748957.1	453.0	0.00	3.95
1.40	YES							
L0001797		0	0.17642E-04	478182.7	3748957.1	453.0	0.00	3.95
1.40	YES							
L0001798		0	0.17642E-04	478191.2	3748957.2	453.0	0.00	3.95

AERMOD LSTs Operational Output

1.40	YES							
L0001799		0	0.17642E-04	478199.7	3748957.2	453.0	0.00	3.95
1.40	YES							
L0001800		0	0.17642E-04	478208.2	3748957.3	453.0	0.00	3.95
1.40	YES							
L0001801		0	0.17642E-04	478216.7	3748957.3	453.0	0.00	3.95
1.40	YES							
L0001802		0	0.17642E-04	478225.0	3748957.2	453.0	0.00	3.95
1.40	YES							
L0001803		0	0.17642E-04	478225.0	3748948.7	453.0	0.00	3.95
1.40	YES							
L0001804		0	0.17642E-04	478225.0	3748940.2	453.0	0.00	3.95
1.40	YES							
L0001805		0	0.17642E-04	478225.0	3748931.7	453.0	0.00	3.95
1.40	YES							
L0001806		0	0.17642E-04	478225.0	3748923.2	453.0	0.00	3.95
1.40	YES							
L0001852		0	0.66670E-05	477922.3	3748920.1	453.0	0.00	3.95
1.40	YES							
L0001853		0	0.66670E-05	477921.9	3748928.6	453.0	0.00	3.95
1.40	YES							
L0001854		0	0.66670E-05	477921.5	3748937.1	453.0	0.00	3.95
1.40	YES							
L0001855		0	0.66670E-05	477921.1	3748945.6	453.0	0.00	3.95
1.40	YES							
L0001856		0	0.66670E-05	477920.7	3748954.1	453.0	0.00	3.95
1.40	YES							
L0001857		0	0.66670E-05	477927.7	3748955.6	453.0	0.00	3.95
1.40	YES							
L0001858		0	0.66670E-05	477936.2	3748955.6	453.0	0.00	3.95
1.40	YES							
L0001859		0	0.66670E-05	477944.7	3748955.7	453.0	0.00	3.95
1.40	YES							
L0001860		0	0.66670E-05	477953.2	3748955.7	453.0	0.00	3.95
1.40	YES							
L0001861		0	0.66670E-05	477961.7	3748955.8	453.0	0.00	3.95
1.40	YES							
L0001862		0	0.66670E-05	477970.2	3748955.8	453.0	0.00	3.95
1.40	YES							
L0001863		0	0.66670E-05	477978.7	3748955.9	453.0	0.00	3.95
1.40	YES							
L0001864		0	0.66670E-05	477987.2	3748955.9	453.0	0.00	3.95
1.40	YES							
L0001865		0	0.66670E-05	477995.7	3748956.0	453.0	0.00	3.95
1.40	YES							
L0001866		0	0.66670E-05	478004.2	3748956.1	453.0	0.00	3.95
1.40	YES							
L0001867		0	0.66670E-05	478012.7	3748956.1	453.0	0.00	3.95

AERMOD LSTs Operational Output

1.40	YES							
L0001868		0	0.66670E-05	478021.2	3748956.2	453.0	0.00	3.95
1.40	YES							
L0001869		0	0.66670E-05	478029.7	3748956.2	453.0	0.00	3.95
1.40	YES							
L0001870		0	0.66670E-05	478038.2	3748956.3	453.0	0.00	3.95
1.40	YES							
L0001871		0	0.66670E-05	478046.7	3748956.3	453.0	0.00	3.95
1.40	YES							
L0001872		0	0.66670E-05	478055.2	3748956.4	453.0	0.00	3.95
1.40	YES							
L0001873		0	0.66670E-05	478063.7	3748956.4	453.0	0.00	3.95

1.40 YES
 *** AERMOD - VERSION 15181 *** C:\Lakes\AERMOD
 View\MVL\OperationalLSTs\NOx\NOx.isc *** 11/03/15
 *** AERMET - VERSION 14134 ***
 *** 12:37:14

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 **MODELOPTs: NonDEFAULT CONC ELEV FLGPOL OLM URBAN

*** VOLUME SOURCE DATA ***

INIT.	URBAN	NUMBER EMISSION RATE	BASE	RELEASE	INIT.
SOURCE	SCALAR VARY	PART. (USER UNITS)	X	Y	SY
SZ	ID	CATS.	(METERS)	(METERS)	(METERS)
(METERS)	BY				

L0001874		0	0.66670E-05	478072.2	3748956.5	453.0	0.00	3.95
1.40	YES							
L0001875		0	0.66670E-05	478080.7	3748956.5	453.0	0.00	3.95
1.40	YES							
L0001876		0	0.66670E-05	478089.2	3748956.6	453.0	0.00	3.95
1.40	YES							
L0001877		0	0.66670E-05	478097.7	3748956.6	453.0	0.00	3.95
1.40	YES							
L0001878		0	0.66670E-05	478106.2	3748956.7	453.0	0.00	3.95
1.40	YES							
L0001879		0	0.66670E-05	478114.7	3748956.7	453.0	0.00	3.95
1.40	YES							
L0001880		0	0.66670E-05	478123.2	3748956.8	453.0	0.00	3.95
1.40	YES							
L0001881		0	0.66670E-05	478131.7	3748956.8	453.0	0.00	3.95

AERMOD LSTs Operational Output

1.40	YES							
L0001882		0	0.66670E-05	478140.2	3748956.9	453.0	0.00	3.95
1.40	YES							
L0001883		0	0.66670E-05	478148.7	3748956.9	453.0	0.00	3.95
1.40	YES							
L0001884		0	0.66670E-05	478157.2	3748957.0	453.0	0.00	3.95
1.40	YES							
L0001885		0	0.66670E-05	478165.7	3748957.0	453.0	0.00	3.95
1.40	YES							
L0001886		0	0.66670E-05	478174.2	3748957.1	453.0	0.00	3.95
1.40	YES							
L0001887		0	0.66670E-05	478182.7	3748957.1	453.0	0.00	3.95
1.40	YES							
L0001888		0	0.66670E-05	478191.2	3748957.2	453.0	0.00	3.95
1.40	YES							
L0001889		0	0.66670E-05	478199.7	3748957.2	453.0	0.00	3.95
1.40	YES							
L0001890		0	0.66670E-05	478208.2	3748957.3	453.0	0.00	3.95
1.40	YES							
L0001891		0	0.66670E-05	478216.7	3748957.3	453.0	0.00	3.95
1.40	YES							
L0001892		0	0.66670E-05	478225.0	3748957.2	453.0	0.00	3.95
1.40	YES							
L0001893		0	0.66670E-05	478225.0	3748948.7	453.0	0.00	3.95
1.40	YES							
L0001894		0	0.66670E-05	478225.0	3748940.2	453.0	0.00	3.95
1.40	YES							
L0001895		0	0.66670E-05	478225.0	3748931.7	453.0	0.00	3.95
1.40	YES							
L0001896		0	0.66670E-05	478225.0	3748923.2	453.0	0.00	3.95
1.40	YES							
L0001628		0	0.49619E-04	478177.4	3748323.4	450.0	0.00	3.95
1.40	YES							
L0001629		0	0.49619E-04	478185.9	3748323.1	450.0	0.00	3.95
1.40	YES							
L0001630		0	0.49619E-04	478194.4	3748322.8	450.0	0.00	3.95
1.40	YES							
L0001631		0	0.49619E-04	478202.9	3748322.5	450.0	0.00	3.95
1.40	YES							
L0001632		0	0.49619E-04	478211.4	3748322.2	450.0	0.00	3.95
1.40	YES							
L0001633		0	0.49619E-04	478219.9	3748321.9	450.0	0.00	3.95
1.40	YES							
L0001634		0	0.49619E-04	478228.4	3748321.6	450.0	0.00	3.95
1.40	YES							
L0001635		0	0.49619E-04	478236.6	3748321.6	450.0	0.00	3.95
1.40	YES							
L0001636		0	0.49619E-04	478236.2	3748330.0	451.0	0.00	3.95

AERMOD LSTs Operational Output

1.40	YES							
L0001637		0	0.49619E-04	478235.7	3748338.5	451.0	0.00	3.95
1.40	YES							
L0001638		0	0.49619E-04	478235.3	3748347.0	451.0	0.00	3.95
1.40	YES							
L0001639		0	0.49619E-04	478234.8	3748355.5	451.0	0.00	3.95
1.40	YES							
L0001640		0	0.49619E-04	478234.4	3748364.0	451.0	0.00	3.95
1.40	YES							
L0001641		0	0.49619E-04	478233.9	3748372.5	451.0	0.00	3.95
1.40	YES							
L0001642		0	0.49619E-04	478233.5	3748381.0	451.0	0.00	3.95
1.40	YES							
L0001643		0	0.49619E-04	478233.0	3748389.5	451.0	0.00	3.95
1.40	YES							
L0001897		0	0.68500E-05	478177.4	3748323.4	450.0	0.00	3.95

1.40 YES
 *** AERMOD - VERSION 15181 *** C:\Lakes\AERMOD
 View\MVL\OperationalLSTs\NOx\NOx.isc *** 11/03/15
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 **MODELOPTs: NonDEFAULT CONC ELEV FLGPOL OLM URBAN

*** VOLUME SOURCE DATA ***

INIT.	URBAN	NUMBER EMISSION RATE	BASE	RELEASE	INIT.
SOURCE	SCALAR	EMISSION RATE	ELEV.	HEIGHT	SY
SZ	SCALAR	PART. (USER UNITS)	(METERS)	(METERS)	(METERS)
ID	CATS.	BY	(METERS)	(METERS)	(METERS)
(METERS)					
L0001898	0	0.68500E-05	478185.9	3748323.1	450.0
1.40 YES	0	0.68500E-05	478194.4	3748322.8	450.0
L0001899	0	0.68500E-05	478202.9	3748322.5	450.0
1.40 YES	0	0.68500E-05	478211.4	3748322.2	450.0
L0001900	0	0.68500E-05	478219.9	3748321.9	450.0
1.40 YES	0	0.68500E-05	478228.4	3748321.6	450.0
L0001901	0	0.68500E-05			
1.40 YES	0	0.68500E-05			
L0001902	0	0.68500E-05			
1.40 YES	0	0.68500E-05			
L0001903	0	0.68500E-05			

AERMOD LSTs Operational Output

1.40	YES							
L0001904		0	0.68500E-05	478236.6	3748321.6	450.0	0.00	3.95
1.40	YES							
L0001905		0	0.68500E-05	478236.2	3748330.0	451.0	0.00	3.95
1.40	YES							
L0001906		0	0.68500E-05	478235.7	3748338.5	451.0	0.00	3.95
1.40	YES							
L0001907		0	0.68500E-05	478235.3	3748347.0	451.0	0.00	3.95
1.40	YES							
L0001908		0	0.68500E-05	478234.8	3748355.5	451.0	0.00	3.95
1.40	YES							
L0001909		0	0.68500E-05	478234.4	3748364.0	451.0	0.00	3.95
1.40	YES							
L0001910		0	0.68500E-05	478233.9	3748372.5	451.0	0.00	3.95
1.40	YES							
L0001911		0	0.68500E-05	478233.5	3748381.0	451.0	0.00	3.95
1.40	YES							
L0001912		0	0.68500E-05	478233.0	3748389.5	451.0	0.00	3.95
1.40	YES							
L0001913		0	0.24442E-04	477744.0	3748980.7	454.0	0.00	3.95
1.40	YES							
L0001914		0	0.24442E-04	477752.5	3748980.8	454.0	0.00	3.95
1.40	YES							
L0001915		0	0.24442E-04	477761.0	3748980.8	454.0	0.00	3.95
1.40	YES							
L0001916		0	0.24442E-04	477769.5	3748980.9	454.0	0.00	3.95
1.40	YES							
L0001917		0	0.24442E-04	477777.9	3748981.0	454.0	0.00	3.95
1.40	YES							
L0001918		0	0.24442E-04	477786.4	3748981.0	454.0	0.00	3.95
1.40	YES							
L0001919		0	0.24442E-04	477794.9	3748981.1	454.0	0.00	3.95
1.40	YES							
L0001920		0	0.24442E-04	477803.4	3748981.2	454.0	0.00	3.95
1.40	YES							
L0001921		0	0.24442E-04	477811.9	3748981.3	454.0	0.00	3.95
1.40	YES							
L0001922		0	0.24442E-04	477820.4	3748981.3	454.0	0.00	3.95
1.40	YES							
L0001923		0	0.24442E-04	477828.9	3748981.4	453.9	0.00	3.95
1.40	YES							
L0001924		0	0.24442E-04	477837.4	3748981.5	453.7	0.00	3.95
1.40	YES							
L0001925		0	0.24442E-04	477845.9	3748981.6	453.6	0.00	3.95
1.40	YES							
L0001926		0	0.24442E-04	477854.0	3748981.2	453.5	0.00	3.95
1.40	YES							
L0001927		0	0.24442E-04	477854.0	3748972.7	453.2	0.00	3.95

AERMOD LSTs Operational Output

1.40	YES							
L0001928		0	0.24442E-04	477853.9	3748964.2	453.0	0.00	3.95
1.40	YES							
L0001929		0	0.24442E-04	477853.8	3748955.7	453.0	0.00	3.95
1.40	YES							
L0001930		0	0.24442E-04	477853.7	3748947.2	453.0	0.00	3.95
1.40	YES							
L0001931		0	0.24442E-04	477853.6	3748938.7	453.0	0.00	3.95
1.40	YES							
L0001932		0	0.24442E-04	477853.5	3748930.2	453.0	0.00	3.95
1.40	YES							
L0001933		0	0.24442E-04	477853.4	3748921.7	453.0	0.00	3.95
1.40	YES							
L0001934		0	0.24442E-04	477853.4	3748913.2	453.0	0.00	3.95
1.40	YES							
L0001935		0	0.24442E-04	477853.3	3748904.7	453.0	0.00	3.95
1.40	YES							
L0001936		0	0.24442E-04	477853.2	3748896.2	453.0	0.00	3.95
1.40	YES							
L0001937		0	0.24442E-04	477853.1	3748887.7	453.0	0.00	3.95
1.40	YES							

♀ *** AERMOD - VERSION 15181 *** *** C:\Lakes\AERMOD
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 **MODELOPTs: NonDEFAULT CONC ELEV FLGPOL OLM URBAN

*** VOLUME SOURCE DATA ***

INIT.	URBAN	NUMBER EMISSION RATE	BASE	RELEASE	INIT.
SOURCE	EMISSION RATE				
SZ	PART. (USER UNITS)	X	Y	ELEV.	HEIGHT
ID	SCALAR VARY				
(METERS)	CATS.	(METERS)	(METERS)	(METERS)	(METERS)
	BY				
- - - - -	- - - - -	- - - - -	- - - - -	- - - - -	- - - - -
- - - - -	- - - - -	- - - - -	- - - - -	- - - - -	- - - - -

L0001938	0	0.24442E-04	477853.0	3748879.2	453.0	0.00	3.95
1.40	YES						
L0001939	0	0.24442E-04	477852.9	3748870.7	453.0	0.00	3.95
1.40	YES						
L0001940	0	0.24442E-04	477852.8	3748862.2	453.0	0.00	3.95
1.40	YES						
L0001941	0	0.24442E-04	477852.8	3748853.7	453.0	0.00	3.95

AERMOD LSTs Operational Output

1.40	YES							
L0001942		0	0.24442E-04	477852.7	3748845.2	453.0	0.00	3.95
1.40	YES							
L0001943		0	0.24442E-04	477852.6	3748836.7	453.0	0.00	3.95
1.40	YES							
L0001944		0	0.63320E-05	477744.0	3748980.7	454.0	0.00	3.95
1.40	YES							
L0001945		0	0.63320E-05	477752.5	3748980.8	454.0	0.00	3.95
1.40	YES							
L0001946		0	0.63320E-05	477761.0	3748980.8	454.0	0.00	3.95
1.40	YES							
L0001947		0	0.63320E-05	477769.5	3748980.9	454.0	0.00	3.95
1.40	YES							
L0001948		0	0.63320E-05	477777.9	3748981.0	454.0	0.00	3.95
1.40	YES							
L0001949		0	0.63320E-05	477786.4	3748981.0	454.0	0.00	3.95
1.40	YES							
L0001950		0	0.63320E-05	477794.9	3748981.1	454.0	0.00	3.95
1.40	YES							
L0001951		0	0.63320E-05	477803.4	3748981.2	454.0	0.00	3.95
1.40	YES							
L0001952		0	0.63320E-05	477811.9	3748981.3	454.0	0.00	3.95
1.40	YES							
L0001953		0	0.63320E-05	477820.4	3748981.3	454.0	0.00	3.95
1.40	YES							
L0001954		0	0.63320E-05	477828.9	3748981.4	453.9	0.00	3.95
1.40	YES							
L0001955		0	0.63320E-05	477837.4	3748981.5	453.7	0.00	3.95
1.40	YES							
L0001956		0	0.63320E-05	477845.9	3748981.6	453.6	0.00	3.95
1.40	YES							
L0001957		0	0.63320E-05	477854.0	3748981.2	453.5	0.00	3.95
1.40	YES							
L0001958		0	0.63320E-05	477854.0	3748972.7	453.2	0.00	3.95
1.40	YES							
L0001959		0	0.63320E-05	477853.9	3748964.2	453.0	0.00	3.95
1.40	YES							
L0001960		0	0.63320E-05	477853.8	3748955.7	453.0	0.00	3.95
1.40	YES							
L0001961		0	0.63320E-05	477853.7	3748947.2	453.0	0.00	3.95
1.40	YES							
L0001962		0	0.63320E-05	477853.6	3748938.7	453.0	0.00	3.95
1.40	YES							
L0001963		0	0.63320E-05	477853.5	3748930.2	453.0	0.00	3.95
1.40	YES							
L0001964		0	0.63320E-05	477853.4	3748921.7	453.0	0.00	3.95
1.40	YES							
L0001965		0	0.63320E-05	477853.4	3748913.2	453.0	0.00	3.95

AERMOD LSTs Operational Output

1.40	YES							
L0001966		0	0.63320E-05	477853.3	3748904.7	453.0	0.00	3.95
1.40	YES							
L0001967		0	0.63320E-05	477853.2	3748896.2	453.0	0.00	3.95
1.40	YES							
L0001968		0	0.63320E-05	477853.1	3748887.7	453.0	0.00	3.95
1.40	YES							
L0001969		0	0.63320E-05	477853.0	3748879.2	453.0	0.00	3.95
1.40	YES							
L0001970		0	0.63320E-05	477852.9	3748870.7	453.0	0.00	3.95
1.40	YES							
L0001971		0	0.63320E-05	477852.8	3748862.2	453.0	0.00	3.95
1.40	YES							
L0001972		0	0.63320E-05	477852.8	3748853.7	453.0	0.00	3.95
1.40	YES							
L0001973		0	0.63320E-05	477852.7	3748845.2	453.0	0.00	3.95
1.40	YES							
L0001974		0	0.63320E-05	477852.6	3748836.7	453.0	0.00	3.95
1.40	YES							
L0001975		0	0.75238E-04	477934.4	3748197.8	450.0	0.00	3.95
1.40	YES							
L0001976		0	0.75238E-04	477942.9	3748197.7	450.0	0.00	3.95
1.40	YES							
L0001977		0	0.75238E-04	477951.4	3748197.6	450.0	0.00	3.95

1.40 YES
 ♀ *** AERMOD - VERSION 15181 *** *** C:\Lakes\AERMOD
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***MODELOPTs: NonDEFAULT CONC PAGE 18
 ELEV FLGPOL OLM URBAN

*** VOLUME SOURCE DATA ***

INIT.	URBAN	NUMBER EMISSION RATE	BASE	RELEASE	INIT.
SOURCE	EMISSION RATE				
SZ	PART. (USER UNITS)	X	Y	ELEV.	HEIGHT
ID	SCALAR VARY	(METERS)	(METERS)	(METERS)	(METERS)
(METERS)	CATS.	BY			SY
L0001978	0	0.75238E-04	477959.9	3748197.6	450.0
1.40 YES					
L0001979	0	0.75238E-04	477968.4	3748197.5	450.0

AERMOD LSTs Operational Output

1.40	YES							
L0001980		0	0.75238E-04	477976.9	3748197.4	450.0	0.00	3.95
1.40	YES							
L0001981		0	0.75238E-04	477985.4	3748197.4	450.0	0.00	3.95
1.40	YES							
L0001982		0	0.75238E-04	477993.9	3748197.3	450.0	0.00	3.95
1.40	YES							
L0001730		0	0.48100E-05	477934.4	3748197.8	450.0	0.00	3.95
1.40	YES							
L0001731		0	0.48100E-05	477942.9	3748197.7	450.0	0.00	3.95
1.40	YES							
L0001732		0	0.48100E-05	477951.4	3748197.6	450.0	0.00	3.95
1.40	YES							
L0001733		0	0.48100E-05	477959.9	3748197.6	450.0	0.00	3.95
1.40	YES							
L0001734		0	0.48100E-05	477968.4	3748197.5	450.0	0.00	3.95
1.40	YES							
L0001735		0	0.48100E-05	477976.9	3748197.4	450.0	0.00	3.95
1.40	YES							
L0001736		0	0.48100E-05	477985.4	3748197.4	450.0	0.00	3.95
1.40	YES							
L0001737		0	0.48100E-05	477993.9	3748197.3	450.0	0.00	3.95
1.40	YES							
L0001738		0	0.10475E-02	477499.5	3748976.4	454.2	0.00	3.95
1.40	YES							
L0001739		0	0.10475E-02	477508.0	3748976.2	454.1	0.00	3.95
1.40	YES							
L0001740		0	0.10475E-02	477516.4	3748976.0	454.0	0.00	3.95
1.40	YES							
L0001741		0	0.10475E-02	477524.9	3748975.8	454.0	0.00	3.95
1.40	YES							
L0001742		0	0.10475E-02	477533.4	3748975.6	454.0	0.00	3.95
1.40	YES							
L0001743		0	0.10475E-02	477541.9	3748975.4	454.0	0.00	3.95
1.40	YES							
L0001744		0	0.10475E-02	477550.4	3748975.2	454.0	0.00	3.95
1.40	YES							
L0001745		0	0.10475E-02	477558.9	3748975.0	454.0	0.00	3.95
1.40	YES							
L0001746		0	0.10475E-02	477567.4	3748974.8	454.0	0.00	3.95
1.40	YES							
L0001747		0	0.10475E-02	477575.9	3748974.6	454.0	0.00	3.95
1.40	YES							
L0001748		0	0.10475E-02	477584.4	3748974.4	454.0	0.00	3.95
1.40	YES							
L0001749		0	0.10475E-02	477592.9	3748974.2	454.0	0.00	3.95
1.40	YES							
L0001750		0	0.90250E-05	477499.5	3748976.4	454.2	0.00	3.95

AERMOD LSTs Operational Output

1.40	YES							
L0001751		0	0.90250E-05	477508.0	3748976.2	454.1	0.00	3.95
1.40	YES							
L0001752		0	0.90250E-05	477516.4	3748976.0	454.0	0.00	3.95
1.40	YES							
L0001753		0	0.90250E-05	477524.9	3748975.8	454.0	0.00	3.95
1.40	YES							
L0001754		0	0.90250E-05	477533.4	3748975.6	454.0	0.00	3.95
1.40	YES							
L0001755		0	0.90250E-05	477541.9	3748975.4	454.0	0.00	3.95
1.40	YES							
L0001756		0	0.90250E-05	477550.4	3748975.2	454.0	0.00	3.95
1.40	YES							
L0001757		0	0.90250E-05	477558.9	3748975.0	454.0	0.00	3.95
1.40	YES							
L0001758		0	0.90250E-05	477567.4	3748974.8	454.0	0.00	3.95
1.40	YES							
L0001759		0	0.90250E-05	477575.9	3748974.6	454.0	0.00	3.95
1.40	YES							
L0001760		0	0.90250E-05	477584.4	3748974.4	454.0	0.00	3.95
1.40	YES							
L0001761		0	0.90250E-05	477592.9	3748974.2	454.0	0.00	3.95

1.40 YES
 ♀ *** AERMOD - VERSION 15181 *** *** C:\Lakes\AERMOD
 View\MVL\OperationalLSTs\NOx\NOx.isc *** 11/03/15
 *** AERMET - VERSION 14134 *** ***
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***MODELOPTs: NonDEFAULT CONC PAGE 19
 ELEV FLGPOL OLM URBAN

*** AREA SOURCE DATA ***

Y-DIM	ORIENT.	NUMBER	EMISSION	RATE	COORD (SW CORNER)	BASE	RELEASE	X-DIM
SOURCE	PART.	INIT.	URBAN	EMISSION	RATE			
OF AREA	OF AREA	SZ	SOURCE	SCALAR	VARY	ELEV.	HEIGHT	OF AREA
ID	CATS.	/METER**2)	(METERS)	(METERS)	(METERS)	(METERS)	(METERS)	(METERS)
(METERS)	(DEG.)	(METERS)	BY					

AREA1		0	0.72063E-06	477895.8	3748485.6	452.0	5.00	75.04
426.52	0.00	0.00	YES					
AREA2		0	0.76292E-06	478189.3	3748386.9	451.0	5.00	57.92
521.96	0.00	0.00	YES					
AREA3		0	0.26736E-05	478027.4	3748303.6	450.0	5.00	143.40

AERMOD LSTs Operational Output

60.16	0.00	0.00	YES					
AREA4		0	0.83817E-06	477696.2	3748836.0	454.0	5.00	72.15
152.50	0.00	0.00	YES					
AREA5		0	0.17523E-05	477967.7	3748183.6	450.0	5.00	61.27
85.90	0.00	0.00	YES					
AREA6		0	0.78505E-06	477599.3	3748788.1	454.0	5.00	65.18
180.23	0.00	0.00	YES					
♀ *** AERMOD - VERSION 15181 *** *** C:\Lakes\AERMOD								
View\MVL\OperationalLSTs\NOx\NOx.isc				***		11/03/15		
*** AERMET - VERSION 14134 ***								
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**MODELOPTs:	NonDEFAULT CONC	PAGE 20			
		ELEV	FLGPOL	OLM	URBAN

*** SOURCE IDs DEFINING SOURCE GROUPS

SRCGROUP ID	SOURCE IDs					
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ALL	L0001125	, L0001126	, L0001127	, L0001128	, L0001129	,
L0001130	, L0001131	, L0001132	,			
	L0001133	, L0001134	, L0001135	, L0001136	, L0001137	,
L0001138	, L0001139	, L0001140	,			
	L0001141	, L0001142	, L0001143	, L0001144	, L0001145	,
L0001146	, L0001147	, L0001148	,			
	L0001149	, L0001150	, L0001151	, L0001152	, L0001153	,
L0001154	, L0001155	, L0001156	,			
	L0001157	, L0001158	, L0001159	, L0001160	, L0001161	,
L0001162	, L0001163	, L0001164	,			
	L0001165	, L0001166	, L0001167	, L0001168	, L0001169	,
L0001170	, L0001171	, L0001172	,			
	L0001173	, L0001174	, L0001175	, L0001176	, L0001177	,
L0001178	, L0001179	, L0001180	,			
	L0001181	, L0001182	, L0001183	, L0001184	, L0001185	,
L0001186	, L0001187	, L0001188	,			
	L0001189	, L0001190	, L0001191	, L0001192	, L0001193	,

AERMOD LSTs Operational Output

L0001194 , L0001195 , L0001196 ,
 L0001202 , L0001197 , L0001198 , L0001199 , L0001200 , L0001201 ,
 , L0001203 , L0001204 ,
 L0001210 , L0001205 , L0001206 , L0001207 , L0001208 , L0001209 ,
 , L0001211 , L0001212 ,
 L0001218 , L0001213 , L0001214 , L0001215 , L0001216 , L0001217 ,
 , L0001219 , L0001220 ,
 L0001226 , L0001221 , L0001222 , L0001223 , L0001224 , L0001225 ,
 , L0001227 , L0001228 ,
 L0001234 , L0001229 , L0001230 , L0001231 , L0001232 , L0001233 ,
 , L0001235 , L0001236 ,
 L0001242 , L0001237 , L0001238 , L0001239 , L0001240 , L0001241 ,
 , L0001243 , L0001244 ,
 L0001250 , L0001245 , L0001246 , L0001247 , L0001248 , L0001249 ,
 , L0001251 , L0001252 ,
 L0001258 , L0001253 , L0001254 , L0001255 , L0001256 , L0001257 ,
 , L0001259 , L0001260 ,
 L0001266 , L0001261 , L0001262 , L0001263 , L0001264 , L0001265 ,
 , L0001267 , L0001268 ,
 L0001274 , L0001269 , L0001270 , L0001271 , L0001272 , L0001273 ,
 , L0001275 , L0001276 ,
 L0001282 , L0001277 , L0001278 , L0001279 , L0001280 , L0001281 ,
 , L0001283 , L0001284 ,

♀ *** AERMOD - VERSION 15181 *** C:\Lakes\AERMOD
 View\MVL\OperationalLSTs\NOx\NOx.isc *** 11/03/15
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 **MODELOPTs: NonDEFAULT CONC ELEV FLGPOL OLM URBAN

*** SOURCE IDs DEFINING SOURCE GROUPS

SRCGROUP ID

SOURCE IDs

AERMOD LSTs Operational Output

L0001290	L0001285 , L0001291	, L0001286 , L0001292	, L0001287 ,	, L0001288	, L0001289	,
L0001298	L0001293 , L0001299	, L0001294 , L0001300	, L0001295 ,	, L0001296	, L0001297	,
L0001306	L0001301 , L0001307	, L0001302 , L0001308	, L0001303 ,	, L0001304	, L0001305	,
L0001314	L0001309 , L0001315	, L0001310 , L0001316	, L0001311 ,	, L0001312	, L0001313	,
L0001322	L0001317 , L0001323	, L0001318 , L0001324	, L0001319 ,	, L0001320	, L0001321	,
L0001330	L0001325 , L0001331	, L0001326 , L0001332	, L0001327 ,	, L0001328	, L0001329	,
L0001338	L0001333 , L0001339	, L0001334 , L0001340	, L0001335 ,	, L0001336	, L0001337	,
L0001346	L0001341 , L0001347	, L0001342 , L0001348	, L0001343 ,	, L0001344	, L0001345	,
L0001354	L0001349 , L0001355	, L0001350 , L0001356	, L0001351 ,	, L0001352	, L0001353	,
L0001362	L0001357 , L0001363	, L0001358 , L0001364	, L0001359 ,	, L0001360	, L0001361	,
L0001370	L0001365 , L0001371	, L0001366 , L0001372	, L0001367 ,	, L0001368	, L0001369	,
L0001378	L0001373 , L0001379	, L0001374 , L0001380	, L0001375 ,	, L0001376	, L0001377	,
L0001386	L0001381 , L0001387	, L0001382 , L0001388	, L0001383 ,	, L0001384	, L0001385	,
L0001394	L0001389 , L0001395	, L0001390 , L0001396	, L0001391 ,	, L0001392	, L0001393	,
L0001402	L0001397 , L0001403	, L0001398 , L0001404	, L0001399 ,	, L0001400	, L0001401	,
	L0001405	, L0001406	, L0001407	, L0001408	, L0001409	,

AERMOD LSTs Operational Output

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L0001410      , L0001411      , L0001412      ,
               L0001413      , L0001414      , L0001415      , L0001416      , L0001417      ,
L0001418      , L0001419      , L0001420      ,
               L0001421      , L0001422      , L0001423      , L0001424      , L0001425      ,
L0001426      , L0001427      , L0001428      ,
               L0001429      , L0001430      , L0001431      , L0001432      , L0001433      ,
L0001434      , L0001435      , L0001436      ,
               L0001437      , L0001438      , L0001439      , L0001440      , L0001441      ,
L0001442      , L0001443      , L0001444      ,
♀ *** AERMOD - VERSION 15181 *** *** C:\Lakes\AERMOD
View\MVL\OperationalLSTs\NOx\NOx.isc *** 11/03/15
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**MODELOPTs: NonDEFAULT CONC ELEV FLGPOL OLM URBAN

*** SOURCE IDs DEFINING SOURCE GROUPS

SRCGROUP ID

SOURCE IDs

```

L0001450      , L0001451      , L0001452      ,
               L0001445      , L0001446      , L0001447      , L0001448      , L0001449      ,
L0001458      , L0001459      , L0001460      ,
               L0001453      , L0001454      , L0001455      , L0001456      , L0001457      ,
L0001466      , L0001467      , L0001468      ,
               L0001461      , L0001462      , L0001463      , L0001464      , L0001465      ,
L0001474      , L0001475      , L0001476      ,
               L0001469      , L0001470      , L0001471      , L0001472      , L0001473      ,
L0001482      , L0001483      , L0001484      ,
               L0001477      , L0001478      , L0001479      , L0001480      , L0001481      ,
L0001490      , L0001491      , L0001492      ,
               L0001485      , L0001486      , L0001487      , L0001488      , L0001489      ,
L0001493      , L0001494      , L0001495      , L0001496      , L0001497      ,

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AERMOD LSTs Operational Output

L0001498	, L0001499	, L0001500	,			
	L0001501	, L0001502	, L0001503	, L0001504	, L0001505	,
L0001506	, L0001507	, L0001508	,			
	L0001509	, L0001510	, L0001511	, L0001512	, L0001513	,
L0001514	, L0001515	, L0001516	,			
	L0001517	, L0001518	, L0001519	, L0001520	, L0001521	,
L0001522	, L0001523	, L0001524	,			
	L0001525	, L0001526	, L0001527	, L0001528	, L0001529	,
L0001530	, L0001531	, L0001532	,			
	L0001533	, L0001534	, L0001535	, L0001536	, L0001537	,
AREA1	, AREA2	, AREA3	,			
	AREA4	, AREA5	, AREA6	, STCK1	, STCK2	,
STCK3	, STCK4	, STCK5	,			
	STCK6	, STCK7	, STCK8	, STCK9	, STCK10	,
STCK11	, STCK12	, STCK13	,			
	L0001762	, L0001763	, L0001764	, L0001765	, L0001766	,
L0001767	, L0001768	, L0001769	,			
	L0001770	, L0001771	, L0001772	, L0001773	, L0001774	,
L0001775	, L0001776	, L0001777	,			
	L0001778	, L0001779	, L0001780	, L0001781	, L0001782	,
L0001783	, L0001784	, L0001785	,			
	L0001786	, L0001787	, L0001788	, L0001789	, L0001790	,
L0001791	, L0001792	, L0001793	,			
	L0001794	, L0001795	, L0001796	, L0001797	, L0001798	,
L0001799	, L0001800	, L0001801	,			
	L0001802	, L0001803	, L0001804	, L0001805	, L0001806	,
L0001852	, L0001853	, L0001854	,			

♀ *** AERMOD - VERSION 15181 *** C:\Lakes\AERMOD
 View\MVL\OperationalLSTs\NOx\NOx.isc *** 11/03/15
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 **MODELOPTs: NonDEFAULT CONC ELEV FLGPOL OLM URBAN

AERMOD LSTs Operational Output

*** SOURCE IDs DEFINING SOURCE GROUPS

SRCGROUP ID	SOURCE IDs					
-----	-----					
L0001860	L0001855	, L0001856	, L0001857	, L0001858	, L0001859	,
	, L0001861	, L0001862	,			
L0001868	L0001863	, L0001864	, L0001865	, L0001866	, L0001867	,
	, L0001869	, L0001870	,			
L0001876	L0001871	, L0001872	, L0001873	, L0001874	, L0001875	,
	, L0001877	, L0001878	,			
L0001884	L0001879	, L0001880	, L0001881	, L0001882	, L0001883	,
	, L0001885	, L0001886	,			
L0001892	L0001887	, L0001888	, L0001889	, L0001890	, L0001891	,
	, L0001893	, L0001894	,			
L0001631	L0001895	, L0001896	, L0001628	, L0001629	, L0001630	,
	, L0001632	, L0001633	,			
L0001639	L0001634	, L0001635	, L0001636	, L0001637	, L0001638	,
	, L0001640	, L0001641	,			
L0001900	L0001642	, L0001643	, L0001897	, L0001898	, L0001899	,
	, L0001901	, L0001902	,			
L0001908	L0001903	, L0001904	, L0001905	, L0001906	, L0001907	,
	, L0001909	, L0001910	,			
L0001916	L0001911	, L0001912	, L0001913	, L0001914	, L0001915	,
	, L0001917	, L0001918	,			
L0001924	L0001919	, L0001920	, L0001921	, L0001922	, L0001923	,
	, L0001925	, L0001926	,			
L0001932	L0001927	, L0001928	, L0001929	, L0001930	, L0001931	,
	, L0001933	, L0001934	,			
L0001940	L0001935	, L0001936	, L0001937	, L0001938	, L0001939	,
	, L0001941	, L0001942	,			
	L0001943	, L0001944	, L0001945	, L0001946	, L0001947	,

AERMOD LSTs Operational Output

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L0001948      , L0001949      , L0001950      ,
                L0001951      , L0001952      , L0001953      , L0001954      , L0001955      ,
L0001956      , L0001957      , L0001958      ,
                L0001959      , L0001960      , L0001961      , L0001962      , L0001963      ,
L0001964      , L0001965      , L0001966      ,
                L0001967      , L0001968      , L0001969      , L0001970      , L0001971      ,
L0001972      , L0001973      , L0001974      ,
                L0001975      , L0001976      , L0001977      , L0001978      , L0001979      ,
L0001980      , L0001981      , L0001982      ,
                L0001730      , L0001731      , L0001732      , L0001733      , L0001734      ,
L0001735      , L0001736      , L0001737      ,
                L0001738      , L0001739      , L0001740      , L0001741      , L0001742      ,
L0001743      , L0001744      , L0001745      ,
♀ *** AERMOD - VERSION 15181 *** *** C:\Lakes\AERMOD
View\MVL\OperationalLSTs\NOx\NOx.isc *** 11/03/15
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**MODELOPTs: NonDEFAULT CONC ELEV FLGPOL OLM URBAN

*** SOURCE IDs DEFINING SOURCE GROUPS

SRCGROUP ID

SOURCE IDs

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                L0001746      , L0001747      , L0001748      , L0001749      , L0001750      ,
L0001751      , L0001752      , L0001753      ,
                L0001754      , L0001755      , L0001756      , L0001757      , L0001758      ,
L0001759      , L0001760      , L0001761      ,
♀ *** AERMOD - VERSION 15181 *** *** C:\Lakes\AERMOD
View\MVL\OperationalLSTs\NOx\NOx.isc *** 11/03/15
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**MODELOPTs: NonDEFAULT CONC ELEV FLGPOL OLM URBAN

AERMOD LSTs Operational Output

*** SOURCE IDs DEFINING OLM SOURCE GROUPS

*** FOR COMBINING PLUMES

OLMGROUP ID	SOURCE IDs
-----	-----
ALL	L0001125 , L0001126 , L0001127 , L0001128 , L0001129 ,
L0001130	, L0001131 , L0001132 ,
	L0001133 , L0001134 , L0001135 , L0001136 , L0001137 ,
L0001138	, L0001139 , L0001140 ,
	L0001141 , L0001142 , L0001143 , L0001144 , L0001145 ,
L0001146	, L0001147 , L0001148 ,
	L0001149 , L0001150 , L0001151 , L0001152 , L0001153 ,
L0001154	, L0001155 , L0001156 ,
	L0001157 , L0001158 , L0001159 , L0001160 , L0001161 ,
L0001162	, L0001163 , L0001164 ,
	L0001165 , L0001166 , L0001167 , L0001168 , L0001169 ,
L0001170	, L0001171 , L0001172 ,
	L0001173 , L0001174 , L0001175 , L0001176 , L0001177 ,
L0001178	, L0001179 , L0001180 ,
	L0001181 , L0001182 , L0001183 , L0001184 , L0001185 ,
L0001186	, L0001187 , L0001188 ,
	L0001189 , L0001190 , L0001191 , L0001192 , L0001193 ,
L0001194	, L0001195 , L0001196 ,
	L0001197 , L0001198 , L0001199 , L0001200 , L0001201 ,
L0001202	, L0001203 , L0001204 ,
	L0001205 , L0001206 , L0001207 , L0001208 , L0001209 ,
L0001210	, L0001211 , L0001212 ,
	L0001213 , L0001214 , L0001215 , L0001216 , L0001217 ,
L0001218	, L0001219 , L0001220 ,
	L0001221 , L0001222 , L0001223 , L0001224 , L0001225 ,
L0001226	, L0001227 , L0001228 ,

AERMOD LSTs Operational Output

L0001234	L0001229 , L0001230 , L0001231 , L0001232 , L0001233 ,
	, L0001235 , L0001236 ,
L0001242	L0001237 , L0001238 , L0001239 , L0001240 , L0001241 ,
	, L0001243 , L0001244 ,
L0001250	L0001245 , L0001246 , L0001247 , L0001248 , L0001249 ,
	, L0001251 , L0001252 ,
L0001258	L0001253 , L0001254 , L0001255 , L0001256 , L0001257 ,
	, L0001259 , L0001260 ,
L0001266	L0001261 , L0001262 , L0001263 , L0001264 , L0001265 ,
	, L0001267 , L0001268 ,
L0001274	L0001269 , L0001270 , L0001271 , L0001272 , L0001273 ,
	, L0001275 , L0001276 ,
L0001282	L0001277 , L0001278 , L0001279 , L0001280 , L0001281 ,
	, L0001283 , L0001284 ,

♀ *** AERMOD - VERSION 15181 *** C:\Lakes\AERMOD
 View\MVL\OperationalLSTs\NOx\NOx.isc *** 11/03/15
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 **MODELOPTs: NonDEFAULT CONC ELEV FLGPOL OLM URBAN

*** SOURCE IDs DEFINING OLM SOURCE GROUPS

 *** FOR COMBINING PLUMES

OLMGROUP ID	SOURCE IDs
-----	-----

L0001290	L0001285 , L0001286 , L0001287 , L0001288 , L0001289 ,
	, L0001291 , L0001292 ,
L0001298	L0001293 , L0001294 , L0001295 , L0001296 , L0001297 ,
	, L0001299 , L0001300 ,
L0001306	L0001301 , L0001302 , L0001303 , L0001304 , L0001305 ,
	, L0001307 , L0001308 ,

AERMOD LSTs Operational Output						
L0001314	L0001309 , L0001315	, L0001310 , L0001316	, L0001311 ,	, L0001312	, L0001313	,
L0001322	L0001317 , L0001323	, L0001318 , L0001324	, L0001319 ,	, L0001320	, L0001321	,
L0001330	L0001325 , L0001331	, L0001326 , L0001332	, L0001327 ,	, L0001328	, L0001329	,
L0001338	L0001333 , L0001339	, L0001334 , L0001340	, L0001335 ,	, L0001336	, L0001337	,
L0001346	L0001341 , L0001347	, L0001342 , L0001348	, L0001343 ,	, L0001344	, L0001345	,
L0001354	L0001349 , L0001355	, L0001350 , L0001356	, L0001351 ,	, L0001352	, L0001353	,
L0001362	L0001357 , L0001363	, L0001358 , L0001364	, L0001359 ,	, L0001360	, L0001361	,
L0001370	L0001365 , L0001371	, L0001366 , L0001372	, L0001367 ,	, L0001368	, L0001369	,
L0001378	L0001373 , L0001379	, L0001374 , L0001380	, L0001375 ,	, L0001376	, L0001377	,
L0001386	L0001381 , L0001387	, L0001382 , L0001388	, L0001383 ,	, L0001384	, L0001385	,
L0001394	L0001389 , L0001395	, L0001390 , L0001396	, L0001391 ,	, L0001392	, L0001393	,
L0001402	L0001397 , L0001403	, L0001398 , L0001404	, L0001399 ,	, L0001400	, L0001401	,
L0001410	L0001405 , L0001411	, L0001406 , L0001412	, L0001407 ,	, L0001408	, L0001409	,
L0001418	L0001413 , L0001419	, L0001414 , L0001420	, L0001415 ,	, L0001416	, L0001417	,
L0001426	L0001421 , L0001427	, L0001422 , L0001428	, L0001423 ,	, L0001424	, L0001425	,
L0001434	L0001429 , L0001435	, L0001430 , L0001436	, L0001431 ,	, L0001432	, L0001433	,

AERMOD LSTs Operational Output

L0001437 , L0001438 , L0001439 , L0001440 , L0001441 ,
L0001442 , L0001443 , L0001444 ,

♀ *** AERMOD - VERSION 15181 *** C:\Lakes\AERMOD
View\MVL\OperationalLSTs\NOx\NOx.isc *** 11/03/15

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**MODELOPTs: NonDEFAULT CONC ELEV FLGPOL OLM URBAN

*** SOURCE IDs DEFINING OLM SOURCE GROUPS

*** FOR COMBINING PLUMES

OLMGROUP ID SOURCE IDs

L0001450 L0001445 , L0001446 , L0001447 , L0001448 , L0001449 ,
, L0001451 , L0001452 ,

L0001458 L0001453 , L0001454 , L0001455 , L0001456 , L0001457 ,
, L0001459 , L0001460 ,

L0001466 L0001461 , L0001462 , L0001463 , L0001464 , L0001465 ,
, L0001467 , L0001468 ,

L0001474 L0001469 , L0001470 , L0001471 , L0001472 , L0001473 ,
, L0001475 , L0001476 ,

L0001482 L0001477 , L0001478 , L0001479 , L0001480 , L0001481 ,
, L0001483 , L0001484 ,

L0001490 L0001485 , L0001486 , L0001487 , L0001488 , L0001489 ,
, L0001491 , L0001492 ,

L0001498 L0001493 , L0001494 , L0001495 , L0001496 , L0001497 ,
, L0001499 , L0001500 ,

L0001506 L0001501 , L0001502 , L0001503 , L0001504 , L0001505 ,
, L0001507 , L0001508 ,

L0001514 L0001509 , L0001510 , L0001511 , L0001512 , L0001513 ,
, L0001515 , L0001516 ,

L0001517 , L0001518 , L0001519 , L0001520 , L0001521 ,

AERMOD LSTs Operational Output

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L0001522      , L0001523      , L0001524      ,
L0001530      , L0001531      , L0001532      ,
L0001533      , L0001534      , L0001535      , L0001536      , L0001537      ,
AREA1      , AREA2      , AREA3      ,
AREA4      , AREA5      , AREA6      , STCK1      , STCK2      ,
STCK3      , STCK4      , STCK5      ,
STCK6      , STCK7      , STCK8      , STCK9      , STCK10      ,
STCK11      , STCK12      , STCK13      ,
L0001762      , L0001763      , L0001764      , L0001765      , L0001766      ,
L0001767      , L0001768      , L0001769      ,
L0001770      , L0001771      , L0001772      , L0001773      , L0001774      ,
L0001775      , L0001776      , L0001777      ,
L0001778      , L0001779      , L0001780      , L0001781      , L0001782      ,
L0001783      , L0001784      , L0001785      ,
L0001786      , L0001787      , L0001788      , L0001789      , L0001790      ,
L0001791      , L0001792      , L0001793      ,
L0001794      , L0001795      , L0001796      , L0001797      , L0001798      ,
L0001799      , L0001800      , L0001801      ,
L0001802      , L0001803      , L0001804      , L0001805      , L0001806      ,
L0001852      , L0001853      , L0001854      ,

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♀ *** AERMOD - VERSION 15181 *** C:\Lakes\AERMOD
View\MVL\OperationalLSTs\NOx\NOx.isc *** 11/03/15
*** AERMET - VERSION 14134 ***
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**MODELOPTs: NonDEFAULT CONC ELEV FLGPOL OLM URBAN

*** SOURCE IDs DEFINING OLM SOURCE GROUPS

*** FOR COMBINING PLUMES

OLMGROUP ID

SOURCE IDs

AERMOD LSTs Operational Output

L0001860	L0001855 , L0001861	, L0001856 , L0001862	, L0001857 ,	, L0001858	, L0001859	,
L0001868	L0001863 , L0001869	, L0001864 , L0001870	, L0001865 ,	, L0001866	, L0001867	,
L0001876	L0001871 , L0001877	, L0001872 , L0001878	, L0001873 ,	, L0001874	, L0001875	,
L0001884	L0001879 , L0001885	, L0001880 , L0001886	, L0001881 ,	, L0001882	, L0001883	,
L0001892	L0001887 , L0001893	, L0001888 , L0001894	, L0001889 ,	, L0001890	, L0001891	,
L0001631	L0001895 , L0001632	, L0001896 , L0001633	, L0001628 ,	, L0001629	, L0001630	,
L0001639	L0001634 , L0001640	, L0001635 , L0001641	, L0001636 ,	, L0001637	, L0001638	,
L0001900	L0001642 , L0001901	, L0001643 , L0001902	, L0001897 ,	, L0001898	, L0001899	,
L0001908	L0001903 , L0001909	, L0001904 , L0001910	, L0001905 ,	, L0001906	, L0001907	,
L0001916	L0001911 , L0001917	, L0001912 , L0001918	, L0001913 ,	, L0001914	, L0001915	,
L0001924	L0001919 , L0001925	, L0001920 , L0001926	, L0001921 ,	, L0001922	, L0001923	,
L0001932	L0001927 , L0001933	, L0001928 , L0001934	, L0001929 ,	, L0001930	, L0001931	,
L0001940	L0001935 , L0001941	, L0001936 , L0001942	, L0001937 ,	, L0001938	, L0001939	,
L0001948	L0001943 , L0001949	, L0001944 , L0001950	, L0001945 ,	, L0001946	, L0001947	,
L0001956	L0001951 , L0001957	, L0001952 , L0001958	, L0001953 ,	, L0001954	, L0001955	,
L0001964	L0001959 , L0001965	, L0001960 , L0001966	, L0001961 ,	, L0001962	, L0001963	,

AERMOD LSTs Operational Output

L0001972 L0001967 , L0001968 , L0001969 , L0001970 , L0001971 ,
 , L0001973 , L0001974 ,

L0001980 L0001975 , L0001976 , L0001977 , L0001978 , L0001979 ,
 , L0001981 , L0001982 ,

L0001735 L0001730 , L0001731 , L0001732 , L0001733 , L0001734 ,
 , L0001736 , L0001737 ,

L0001743 L0001738 , L0001739 , L0001740 , L0001741 , L0001742 ,
 , L0001744 , L0001745 ,

♀ *** AERMOD - VERSION 15181 *** C:\Lakes\AERMOD
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***MODELOPTs: NonDEFAULT CONC PAGE 29
 ELEV FLGPOL OLM URBAN

*** *** SOURCE IDs DEFINING OLM SOURCE GROUPS

 *** FOR COMBINING PLUMES

OLMGROUP ID SOURCE IDs

L0001751 L0001746 , L0001747 , L0001748 , L0001749 , L0001750 ,
 , L0001752 , L0001753 ,

L0001759 L0001754 , L0001755 , L0001756 , L0001757 , L0001758 ,
 , L0001760 , L0001761 ,

♀ *** AERMOD - VERSION 15181 *** C:\Lakes\AERMOD
 View\MVL\OperationalLSTs\NOx\NOx.isc *** 11/03/15
 *** AERMET - VERSION 14134 *** ***
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***MODELOPTs: NonDEFAULT CONC PAGE 30
 ELEV FLGPOL OLM URBAN

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

URBAN ID URBAN POP SOURCE IDs

AERMOD LSTs Operational Output

L0001129	2100516. L0001132	L0001125 L0001130 L0001131	, L0001126 ,	, L0001127 ,	, L0001128 ,
L0001138	L0001133 L0001139	, L0001134 , L0001140	, L0001135 ,	, L0001136 ,	, L0001137 ,
L0001146	L0001141 L0001147	, L0001142 , L0001148	, L0001143 ,	, L0001144 ,	, L0001145 ,
L0001154	L0001149 L0001155	, L0001150 , L0001156	, L0001151 ,	, L0001152 ,	, L0001153 ,
L0001162	L0001157 L0001163	, L0001158 , L0001164	, L0001159 ,	, L0001160 ,	, L0001161 ,
L0001170	L0001165 L0001171	, L0001166 , L0001172	, L0001167 ,	, L0001168 ,	, L0001169 ,
L0001178	L0001173 L0001179	, L0001174 , L0001180	, L0001175 ,	, L0001176 ,	, L0001177 ,
L0001186	L0001181 L0001187	, L0001182 , L0001188	, L0001183 ,	, L0001184 ,	, L0001185 ,
L0001194	L0001189 L0001195	, L0001190 , L0001196	, L0001191 ,	, L0001192 ,	, L0001193 ,
L0001202	L0001197 L0001203	, L0001198 , L0001204	, L0001199 ,	, L0001200 ,	, L0001201 ,
L0001210	L0001205 L0001211	, L0001206 , L0001212	, L0001207 ,	, L0001208 ,	, L0001209 ,
L0001218	L0001213 L0001219	, L0001214 , L0001220	, L0001215 ,	, L0001216 ,	, L0001217 ,
L0001226	L0001221 L0001227	, L0001222 , L0001228	, L0001223 ,	, L0001224 ,	, L0001225 ,
L0001234	L0001229 L0001235	, L0001230 , L0001236	, L0001231 ,	, L0001232 ,	, L0001233 ,
L0001242	L0001237 L0001243	, L0001238 , L0001244	, L0001239 ,	, L0001240 ,	, L0001241 ,

AERMOD LSTs Operational Output

L0001250	L0001245 , L0001251	, L0001246 , L0001252	, L0001247 ,	, L0001248	, L0001249	,
L0001258	L0001253 , L0001259	, L0001254 , L0001260	, L0001255 ,	, L0001256	, L0001257	,
L0001266	L0001261 , L0001267	, L0001262 , L0001268	, L0001263 ,	, L0001264	, L0001265	,
L0001274	L0001269 , L0001275	, L0001270 , L0001276	, L0001271 ,	, L0001272	, L0001273	,
L0001282	L0001277 , L0001283	, L0001278 , L0001284	, L0001279 ,	, L0001280	, L0001281	,

♀ *** AERMOD - VERSION 15181 *** C:\Lakes\AERMOD
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*** AERMET - VERSION 14134 ***
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**MODELOPTs: NonDEFAULT CONC ELEV FLGPOL OLM URBAN

*** SOURCE IDs DEFINED AS URBAN SOURCES

URBAN ID	URBAN POP	SOURCE IDs
-----	-----	-----
L0001290	L0001285 , L0001291	, L0001286 , L0001292
L0001298	L0001293 , L0001299	, L0001294 , L0001300
L0001306	L0001301 , L0001307	, L0001302 , L0001308
L0001314	L0001309 , L0001315	, L0001310 , L0001316
L0001322	L0001317 , L0001323	, L0001318 , L0001324
L0001330	L0001325 , L0001331	, L0001326 , L0001332

AERMOD LSTs Operational Output

L0001338	L0001333 , L0001339	, L0001334 , L0001340	, L0001335 ,	, L0001336	, L0001337	,
L0001346	L0001341 , L0001347	, L0001342 , L0001348	, L0001343 ,	, L0001344	, L0001345	,
L0001354	L0001349 , L0001355	, L0001350 , L0001356	, L0001351 ,	, L0001352	, L0001353	,
L0001362	L0001357 , L0001363	, L0001358 , L0001364	, L0001359 ,	, L0001360	, L0001361	,
L0001370	L0001365 , L0001371	, L0001366 , L0001372	, L0001367 ,	, L0001368	, L0001369	,
L0001378	L0001373 , L0001379	, L0001374 , L0001380	, L0001375 ,	, L0001376	, L0001377	,
L0001386	L0001381 , L0001387	, L0001382 , L0001388	, L0001383 ,	, L0001384	, L0001385	,
L0001394	L0001389 , L0001395	, L0001390 , L0001396	, L0001391 ,	, L0001392	, L0001393	,
L0001402	L0001397 , L0001403	, L0001398 , L0001404	, L0001399 ,	, L0001400	, L0001401	,
L0001410	L0001405 , L0001411	, L0001406 , L0001412	, L0001407 ,	, L0001408	, L0001409	,
L0001418	L0001413 , L0001419	, L0001414 , L0001420	, L0001415 ,	, L0001416	, L0001417	,
L0001426	L0001421 , L0001427	, L0001422 , L0001428	, L0001423 ,	, L0001424	, L0001425	,
L0001434	L0001429 , L0001435	, L0001430 , L0001436	, L0001431 ,	, L0001432	, L0001433	,
L0001442	L0001437 , L0001443	, L0001438 , L0001444	, L0001439 ,	, L0001440	, L0001441	,

♀ *** AERMOD - VERSION 15181 *** C:\Lakes\AERMOD

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AERMOD LSTs Operational Output

**MODELOPTs: NonDEFAULT CONC ELEV FLGPOL OLM URBAN

*** SOURCE IDs DEFINED AS URBAN SOURCES

URBAN ID	URBAN POP	SOURCE IDs					
-----	-----	-----					
L0001450	L0001445 , L0001451	, L0001446 , L0001452	, L0001447 ,	, L0001448	, L0001449	,	
L0001458	L0001453 , L0001459	, L0001454 , L0001460	, L0001455 ,	, L0001456	, L0001457	,	
L0001466	L0001461 , L0001467	, L0001462 , L0001468	, L0001463 ,	, L0001464	, L0001465	,	
L0001474	L0001469 , L0001475	, L0001470 , L0001476	, L0001471 ,	, L0001472	, L0001473	,	
L0001482	L0001477 , L0001483	, L0001478 , L0001484	, L0001479 ,	, L0001480	, L0001481	,	
L0001490	L0001485 , L0001491	, L0001486 , L0001492	, L0001487 ,	, L0001488	, L0001489	,	
L0001498	L0001493 , L0001499	, L0001494 , L0001500	, L0001495 ,	, L0001496	, L0001497	,	
L0001506	L0001501 , L0001507	, L0001502 , L0001508	, L0001503 ,	, L0001504	, L0001505	,	
L0001514	L0001509 , L0001515	, L0001510 , L0001516	, L0001511 ,	, L0001512	, L0001513	,	
L0001522	L0001517 , L0001523	, L0001518 , L0001524	, L0001519 ,	, L0001520	, L0001521	,	
L0001530	L0001525 , L0001531	, L0001526 , L0001532	, L0001527 ,	, L0001528	, L0001529	,	
AREA1	L0001533 , AREA2	, L0001534 , AREA3	, L0001535 ,	, L0001536	, L0001537	,	
STCK3	AREA4 , STCK4	, AREA5 , STCK5	, AREA6 ,	, STCK1	, STCK2	,	

AERMOD LSTs Operational Output

STCK11	STCK6 , STCK12	, STCK7 , STCK13	, STCK8 ,	, STCK9 ,	, STCK10 ,	
L0001767	L0001762 , L0001768	, L0001763 , L0001769	, L0001764 ,	, L0001765 ,	, L0001766 ,	
L0001775	L0001770 , L0001776	, L0001771 , L0001777	, L0001772 ,	, L0001773 ,	, L0001774 ,	
L0001783	L0001778 , L0001784	, L0001779 , L0001785	, L0001780 ,	, L0001781 ,	, L0001782 ,	
L0001791	L0001786 , L0001792	, L0001787 , L0001793	, L0001788 ,	, L0001789 ,	, L0001790 ,	
L0001799	L0001794 , L0001800	, L0001795 , L0001801	, L0001796 ,	, L0001797 ,	, L0001798 ,	
L0001852	L0001802 , L0001853	, L0001803 , L0001854	, L0001804 ,	, L0001805 ,	, L0001806 ,	

♀ *** AERMOD - VERSION 15181 *** *** C:\Lakes\AERMOD
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**MODELOPTs: NonDEFAULT CONC ELEV FLGPOL OLM URBAN

*** SOURCE IDs DEFINED AS URBAN SOURCES

URBAN ID	URBAN POP	SOURCE IDs				
-----	-----	-----				
L0001860	L0001855 , L0001861	, L0001856 , L0001862	, L0001857 ,	, L0001858 ,	, L0001859 ,	
L0001868	L0001863 , L0001869	, L0001864 , L0001870	, L0001865 ,	, L0001866 ,	, L0001867 ,	
L0001876	L0001871 , L0001877	, L0001872 , L0001878	, L0001873 ,	, L0001874 ,	, L0001875 ,	
L0001884	L0001879 , L0001885	, L0001880 , L0001886	, L0001881 ,	, L0001882 ,	, L0001883 ,	

AERMOD LSTs Operational Output

L0001892	L0001887 , L0001893	, L0001888 , L0001894	, L0001889 ,	, L0001890	, L0001891	,
L0001631	L0001895 , L0001632	, L0001896 , L0001633	, L0001628 ,	, L0001629	, L0001630	,
L0001639	L0001634 , L0001640	, L0001635 , L0001641	, L0001636 ,	, L0001637	, L0001638	,
L0001900	L0001642 , L0001901	, L0001643 , L0001902	, L0001897 ,	, L0001898	, L0001899	,
L0001908	L0001903 , L0001909	, L0001904 , L0001910	, L0001905 ,	, L0001906	, L0001907	,
L0001916	L0001911 , L0001917	, L0001912 , L0001918	, L0001913 ,	, L0001914	, L0001915	,
L0001924	L0001919 , L0001925	, L0001920 , L0001926	, L0001921 ,	, L0001922	, L0001923	,
L0001932	L0001927 , L0001933	, L0001928 , L0001934	, L0001929 ,	, L0001930	, L0001931	,
L0001940	L0001935 , L0001941	, L0001936 , L0001942	, L0001937 ,	, L0001938	, L0001939	,
L0001948	L0001943 , L0001949	, L0001944 , L0001950	, L0001945 ,	, L0001946	, L0001947	,
L0001956	L0001951 , L0001957	, L0001952 , L0001958	, L0001953 ,	, L0001954	, L0001955	,
L0001964	L0001959 , L0001965	, L0001960 , L0001966	, L0001961 ,	, L0001962	, L0001963	,
L0001972	L0001967 , L0001973	, L0001968 , L0001974	, L0001969 ,	, L0001970	, L0001971	,
L0001980	L0001975 , L0001981	, L0001976 , L0001982	, L0001977 ,	, L0001978	, L0001979	,
L0001735	L0001730 , L0001736	, L0001731 , L0001737	, L0001732 ,	, L0001733	, L0001734	,
L0001743	L0001738 , L0001744	, L0001739 , L0001745	, L0001740 ,	, L0001741	, L0001742	,

AERMOD LSTs Operational Output

♀ *** AERMOD - VERSION 15181 *** C:\Lakes\AERMOD
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 **MODELOPTs: NonDEFAULT CONC ELEV FLGPOL OLM URBAN

*** SOURCE IDs DEFINED AS URBAN SOURCES

URBAN ID	URBAN POP	SOURCE IDs
-----	-----	-----
L0001751	L0001746 , L0001752	L0001747 , L0001748 , L0001749 , L0001750 , L0001751 , L0001752 , L0001753 , L0001754 , L0001755 , L0001756 , L0001757 , L0001758 , L0001759 , L0001760 , L0001761

♀ *** AERMOD - VERSION 15181 *** C:\Lakes\AERMOD
 View\MVL\OperationalLSTs\NOx\NOx.isc *** 11/03/15
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 **MODELOPTs: NonDEFAULT CONC ELEV FLGPOL OLM URBAN

*** IN-STACK NO2 RATIOS FOR OLM/PVMRM

OPTIONS ***

SOURCE_ID	NO2_RATIO	SOURCE_ID	NO2_RATIO	SOURCE_ID	NO2_RATIO
SOURCE_ID	NO2_RATIO				
L0001125	0.100	L0001126	0.100	L0001127	0.100
L0001128	0.100				
L0001129	0.100	L0001130	0.100	L0001131	0.100
L0001132	0.100				
L0001133	0.100	L0001134	0.100	L0001135	0.100
L0001136	0.100				
L0001137	0.100	L0001138	0.100	L0001139	0.100
L0001140	0.100				
L0001141	0.100	L0001142	0.100	L0001143	0.100
L0001144	0.100				
L0001145	0.100	L0001146	0.100	L0001147	0.100

AERMOD LSTs Operational Output

L0001148	0.100				
L0001149	0.100	L0001150	0.100	L0001151	0.100
L0001152	0.100				
L0001153	0.100	L0001154	0.100	L0001155	0.100
L0001156	0.100				
L0001157	0.100	L0001158	0.100	L0001159	0.100
L0001160	0.100				
L0001161	0.100	L0001162	0.100	L0001163	0.100
L0001164	0.100				
L0001165	0.100	L0001166	0.100	L0001167	0.100
L0001168	0.100				
L0001169	0.100	L0001170	0.100	L0001171	0.100
L0001172	0.100				
L0001173	0.100	L0001174	0.100	L0001175	0.100
L0001176	0.100				
L0001177	0.100	L0001178	0.100	L0001179	0.100
L0001180	0.100				
L0001181	0.100	L0001182	0.100	L0001183	0.100
L0001184	0.100				
L0001185	0.100	L0001186	0.100	L0001187	0.100
L0001188	0.100				
L0001189	0.100	L0001190	0.100	L0001191	0.100
L0001192	0.100				
L0001193	0.100	L0001194	0.100	L0001195	0.100
L0001196	0.100				
L0001197	0.100	L0001198	0.100	L0001199	0.100
L0001200	0.100				
L0001201	0.100	L0001202	0.100	L0001203	0.100
L0001204	0.100				
L0001205	0.100	L0001206	0.100	L0001207	0.100
L0001208	0.100				
L0001209	0.100	L0001210	0.100	L0001211	0.100
L0001212	0.100				
L0001213	0.100	L0001214	0.100	L0001215	0.100
L0001216	0.100				
L0001217	0.100	L0001218	0.100	L0001219	0.100
L0001220	0.100				
L0001221	0.100	L0001222	0.100	L0001223	0.100
L0001224	0.100				
L0001225	0.100	L0001226	0.100	L0001227	0.100
L0001228	0.100				
L0001229	0.100	L0001230	0.100	L0001231	0.100
L0001232	0.100				
L0001233	0.100	L0001234	0.100	L0001235	0.100
L0001236	0.100				
L0001237	0.100	L0001238	0.100	L0001239	0.100
L0001240	0.100				
L0001241	0.100	L0001242	0.100	L0001243	0.100

AERMOD LSTs Operational Output

L0001244	0.100				
L0001245	0.100	L0001246	0.100	L0001247	0.100
L0001248	0.100				
L0001249	0.100	L0001250	0.100	L0001251	0.100
L0001252	0.100				
L0001253	0.100	L0001254	0.100	L0001255	0.100
L0001256	0.100				
L0001257	0.100	L0001258	0.100	L0001259	0.100
L0001260	0.100				
L0001261	0.100	L0001262	0.100	L0001263	0.100
L0001264	0.100				
L0001265	0.100	L0001266	0.100	L0001267	0.100
L0001268	0.100				
L0001269	0.100	L0001270	0.100	L0001271	0.100
L0001272	0.100				
L0001273	0.100	L0001274	0.100	L0001275	0.100
L0001276	0.100				
L0001277	0.100	L0001278	0.100	L0001279	0.100
L0001280	0.100				
L0001281	0.100	L0001282	0.100	L0001283	0.100
L0001284	0.100				

♀ *** AERMOD - VERSION 15181 *** *** C:\Lakes\AERMOD
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**MODELOPTs: NonDEFAULT CONC ELEV FLGPOL OLM URBAN

*** IN-STACK NO2 RATIOS FOR OLM/PVMRM

OPTIONS ***

SOURCE_ID	NO2_RATIO	SOURCE_ID	NO2_RATIO	SOURCE_ID	NO2_RATIO
SOURCE_ID	NO2_RATIO				
L0001285	0.100	L0001286	0.100	L0001287	0.100
L0001288	0.100				
L0001289	0.100	L0001290	0.100	L0001291	0.100
L0001292	0.100				
L0001293	0.100	L0001294	0.100	L0001295	0.100
L0001296	0.100				
L0001297	0.100	L0001298	0.100	L0001299	0.100
L0001300	0.100				
L0001301	0.100	L0001302	0.100	L0001303	0.100
L0001304	0.100				
L0001305	0.100	L0001306	0.100	L0001307	0.100

AERMOD LSTs Operational Output

L0001308	0.100				
L0001309	0.100	L0001310	0.100	L0001311	0.100
L0001312	0.100				
L0001313	0.100	L0001314	0.100	L0001315	0.100
L0001316	0.100				
L0001317	0.100	L0001318	0.100	L0001319	0.100
L0001320	0.100				
L0001321	0.100	L0001322	0.100	L0001323	0.100
L0001324	0.100				
L0001325	0.100	L0001326	0.100	L0001327	0.100
L0001328	0.100				
L0001329	0.100	L0001330	0.100	L0001331	0.100
L0001332	0.100				
L0001333	0.100	L0001334	0.100	L0001335	0.100
L0001336	0.100				
L0001337	0.100	L0001338	0.100	L0001339	0.100
L0001340	0.100				
L0001341	0.100	L0001342	0.100	L0001343	0.100
L0001344	0.100				
L0001345	0.100	L0001346	0.100	L0001347	0.100
L0001348	0.100				
L0001349	0.100	L0001350	0.100	L0001351	0.100
L0001352	0.100				
L0001353	0.100	L0001354	0.100	L0001355	0.100
L0001356	0.100				
L0001357	0.100	L0001358	0.100	L0001359	0.100
L0001360	0.100				
L0001361	0.100	L0001362	0.100	L0001363	0.100
L0001364	0.100				
L0001365	0.100	L0001366	0.100	L0001367	0.100
L0001368	0.100				
L0001369	0.100	L0001370	0.100	L0001371	0.100
L0001372	0.100				
L0001373	0.100	L0001374	0.100	L0001375	0.100
L0001376	0.100				
L0001377	0.100	L0001378	0.100	L0001379	0.100
L0001380	0.100				
L0001381	0.100	L0001382	0.100	L0001383	0.100
L0001384	0.100				
L0001385	0.100	L0001386	0.100	L0001387	0.100
L0001388	0.100				
L0001389	0.100	L0001390	0.100	L0001391	0.100
L0001392	0.100				
L0001393	0.100	L0001394	0.100	L0001395	0.100
L0001396	0.100				
L0001397	0.100	L0001398	0.100	L0001399	0.100
L0001400	0.100				
L0001401	0.100	L0001402	0.100	L0001403	0.100

AERMOD LSTs Operational Output

L0001404	0.100				
L0001405	0.100	L0001406	0.100	L0001407	0.100
L0001408	0.100				
L0001409	0.100	L0001410	0.100	L0001411	0.100
L0001412	0.100				
L0001413	0.100	L0001414	0.100	L0001415	0.100
L0001416	0.100				
L0001417	0.100	L0001418	0.100	L0001419	0.100
L0001420	0.100				
L0001421	0.100	L0001422	0.100	L0001423	0.100
L0001424	0.100				
L0001425	0.100	L0001426	0.100	L0001427	0.100
L0001428	0.100				
L0001429	0.100	L0001430	0.100	L0001431	0.100
L0001432	0.100				
L0001433	0.100	L0001434	0.100	L0001435	0.100
L0001436	0.100				
L0001437	0.100	L0001438	0.100	L0001439	0.100
L0001440	0.100				
L0001441	0.100	L0001442	0.100	L0001443	0.100
L0001444	0.100				

♀ *** AERMOD - VERSION 15181 *** *** C:\Lakes\AERMOD
 View\MVL\OperationalLSTs\NOx\NOx.isc *** 11/03/15
 *** AERMET - VERSION 14134 *** ***
 *** 12:37:14

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 **MODELOPTs: NonDEFAULT CONC ELEV FLGPOL OLM URBAN

*** IN-STACK NO2 RATIOS FOR OLM/PVMRM

OPTIONS ***

SOURCE_ID	NO2_RATIO	SOURCE_ID	NO2_RATIO	SOURCE_ID	NO2_RATIO
SOURCE_ID	NO2_RATIO				
L0001445	0.100	L0001446	0.100	L0001447	0.100
L0001448	0.100				
L0001449	0.100	L0001450	0.100	L0001451	0.100
L0001452	0.100				
L0001453	0.100	L0001454	0.100	L0001455	0.100
L0001456	0.100				
L0001457	0.100	L0001458	0.100	L0001459	0.100
L0001460	0.100				
L0001461	0.100	L0001462	0.100	L0001463	0.100
L0001464	0.100				
L0001465	0.100	L0001466	0.100	L0001467	0.100

AERMOD LSTs Operational Output

L0001468	0.100				
L0001469	0.100	L0001470	0.100	L0001471	0.100
L0001472	0.100				
L0001473	0.100	L0001474	0.100	L0001475	0.100
L0001476	0.100				
L0001477	0.100	L0001478	0.100	L0001479	0.100
L0001480	0.100				
L0001481	0.100	L0001482	0.100	L0001483	0.100
L0001484	0.100				
L0001485	0.100	L0001486	0.100	L0001487	0.100
L0001488	0.100				
L0001489	0.100	L0001490	0.100	L0001491	0.100
L0001492	0.100				
L0001493	0.100	L0001494	0.100	L0001495	0.100
L0001496	0.100				
L0001497	0.100	L0001498	0.100	L0001499	0.100
L0001500	0.100				
L0001501	0.100	L0001502	0.100	L0001503	0.100
L0001504	0.100				
L0001505	0.100	L0001506	0.100	L0001507	0.100
L0001508	0.100				
L0001509	0.100	L0001510	0.100	L0001511	0.100
L0001512	0.100				
L0001513	0.100	L0001514	0.100	L0001515	0.100
L0001516	0.100				
L0001517	0.100	L0001518	0.100	L0001519	0.100
L0001520	0.100				
L0001521	0.100	L0001522	0.100	L0001523	0.100
L0001524	0.100				
L0001525	0.100	L0001526	0.100	L0001527	0.100
L0001528	0.100				
L0001529	0.100	L0001530	0.100	L0001531	0.100
L0001532	0.100				
L0001533	0.100	L0001534	0.100	L0001535	0.100
L0001536	0.100				
L0001537	0.100	AREA1	0.100	AREA2	0.100
AREA3	0.100				
AREA4	0.100	AREA5	0.100	AREA6	0.100
STCK1	0.100				
STCK2	0.100	STCK3	0.100	STCK4	0.100
STCK5	0.100				
STCK6	0.100	STCK7	0.100	STCK8	0.100
STCK9	0.100				
STCK10	0.100	STCK11	0.100	STCK12	0.100
STCK13	0.100				
L0001762	0.100	L0001763	0.100	L0001764	0.100
L0001765	0.100				
L0001766	0.100	L0001767	0.100	L0001768	0.100

AERMOD LSTs Operational Output

L0001769	0.100				
L0001770	0.100	L0001771	0.100	L0001772	0.100
L0001773	0.100				
L0001774	0.100	L0001775	0.100	L0001776	0.100
L0001777	0.100				
L0001778	0.100	L0001779	0.100	L0001780	0.100
L0001781	0.100				
L0001782	0.100	L0001783	0.100	L0001784	0.100
L0001785	0.100				
L0001786	0.100	L0001787	0.100	L0001788	0.100
L0001789	0.100				
L0001790	0.100	L0001791	0.100	L0001792	0.100
L0001793	0.100				
L0001794	0.100	L0001795	0.100	L0001796	0.100
L0001797	0.100				
L0001798	0.100	L0001799	0.100	L0001800	0.100
L0001801	0.100				
L0001802	0.100	L0001803	0.100	L0001804	0.100
L0001805	0.100				
L0001806	0.100	L0001852	0.100	L0001853	0.100
L0001854	0.100				

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**MODELOPTs: NonDEFAULT CONC ELEV FLGPOL OLM URBAN

*** IN-STOCK NO2 RATIOS FOR OLM/PVMRM

OPTIONS ***

SOURCE_ID	NO2_RATIO	SOURCE_ID	NO2_RATIO	SOURCE_ID	NO2_RATIO
SOURCE_ID	NO2_RATIO				
L0001855	0.100	L0001856	0.100	L0001857	0.100
L0001858	0.100				
L0001859	0.100	L0001860	0.100	L0001861	0.100
L0001862	0.100				
L0001863	0.100	L0001864	0.100	L0001865	0.100
L0001866	0.100				
L0001867	0.100	L0001868	0.100	L0001869	0.100
L0001870	0.100				
L0001871	0.100	L0001872	0.100	L0001873	0.100
L0001874	0.100				
L0001875	0.100	L0001876	0.100	L0001877	0.100

AERMOD LSTs Operational Output

L0001878	0.100				
L0001879	0.100	L0001880	0.100	L0001881	0.100
L0001882	0.100				
L0001883	0.100	L0001884	0.100	L0001885	0.100
L0001886	0.100				
L0001887	0.100	L0001888	0.100	L0001889	0.100
L0001890	0.100				
L0001891	0.100	L0001892	0.100	L0001893	0.100
L0001894	0.100				
L0001895	0.100	L0001896	0.100	L0001628	0.100
L0001629	0.100				
L0001630	0.100	L0001631	0.100	L0001632	0.100
L0001633	0.100				
L0001634	0.100	L0001635	0.100	L0001636	0.100
L0001637	0.100				
L0001638	0.100	L0001639	0.100	L0001640	0.100
L0001641	0.100				
L0001642	0.100	L0001643	0.100	L0001897	0.100
L0001898	0.100				
L0001899	0.100	L0001900	0.100	L0001901	0.100
L0001902	0.100				
L0001903	0.100	L0001904	0.100	L0001905	0.100
L0001906	0.100				
L0001907	0.100	L0001908	0.100	L0001909	0.100
L0001910	0.100				
L0001911	0.100	L0001912	0.100	L0001913	0.100
L0001914	0.100				
L0001915	0.100	L0001916	0.100	L0001917	0.100
L0001918	0.100				
L0001919	0.100	L0001920	0.100	L0001921	0.100
L0001922	0.100				
L0001923	0.100	L0001924	0.100	L0001925	0.100
L0001926	0.100				
L0001927	0.100	L0001928	0.100	L0001929	0.100
L0001930	0.100				
L0001931	0.100	L0001932	0.100	L0001933	0.100
L0001934	0.100				
L0001935	0.100	L0001936	0.100	L0001937	0.100
L0001938	0.100				
L0001939	0.100	L0001940	0.100	L0001941	0.100
L0001942	0.100				
L0001943	0.100	L0001944	0.100	L0001945	0.100
L0001946	0.100				
L0001947	0.100	L0001948	0.100	L0001949	0.100
L0001950	0.100				
L0001951	0.100	L0001952	0.100	L0001953	0.100
L0001954	0.100				
L0001955	0.100	L0001956	0.100	L0001957	0.100

AERMOD LSTs Operational Output

L0001958	0.100				
L0001959	0.100	L0001960	0.100	L0001961	0.100
L0001962	0.100				
L0001963	0.100	L0001964	0.100	L0001965	0.100
L0001966	0.100				
L0001967	0.100	L0001968	0.100	L0001969	0.100
L0001970	0.100				
L0001971	0.100	L0001972	0.100	L0001973	0.100
L0001974	0.100				
L0001975	0.100	L0001976	0.100	L0001977	0.100
L0001978	0.100				
L0001979	0.100	L0001980	0.100	L0001981	0.100
L0001982	0.100				
L0001730	0.100	L0001731	0.100	L0001732	0.100
L0001733	0.100				
L0001734	0.100	L0001735	0.100	L0001736	0.100
L0001737	0.100				
L0001738	0.100	L0001739	0.100	L0001740	0.100
L0001741	0.100				
L0001742	0.100	L0001743	0.100	L0001744	0.100
L0001745	0.100				

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 *** AERMET - VERSION 14134 ***
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 **MODELOPTs: NonDEFAULT CONC ELEV FLGPOL OLM URBAN

*** IN-STACK NO2 RATIOS FOR OLM/PVMRM

OPTIONS ***

SOURCE_ID	NO2_RATIO	SOURCE_ID	NO2_RATIO	SOURCE_ID	NO2_RATIO
SOURCE_ID	NO2_RATIO				
L0001746	0.100	L0001747	0.100	L0001748	0.100
L0001749	0.100				
L0001750	0.100	L0001751	0.100	L0001752	0.100
L0001753	0.100				
L0001754	0.100	L0001755	0.100	L0001756	0.100
L0001757	0.100				
L0001758	0.100	L0001759	0.100	L0001760	0.100
L0001761	0.100				

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*** DISCRETE CARTESIAN RECEPTORS ***

3749820.7, 458.3, 458.3, 2.0)

♀ *** AERMOD - VERSION 15181 *** C:\Lakes\AERMOD

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*** METEOROLOGICAL DAYS SELECTED FOR

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

WHAT IS INCLUDED IN THE DATA FILE.

AERMOD LSTs Operational Output

*** UPPER BOUND OF FIRST THROUGH FIFTH WIND SPEED

CATEGORIES ***

(METERS/SEC)

1.54, 3.09, 5.14, 8.23,

10.80,

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*** AERMET - VERSION 14134 ***

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**MODELOPTs: NonDEFAULT CONC

ELEV

FLGPOL

OLM

URBAN

*** UP TO THE FIRST 24 HOURS OF METEOROLOGICAL

DATA ***

Surface file: ..\..\peri8.sfc

Met Version: 14134

Profile file: ..\..\peri8.PFL

Surface format: FREE

Profile format: FREE

Surface station no.: 3190

Name: UNKNOWN

Upper air station no.: 3190

Name: UNKNOWN

Year: 2007

Year: 2007

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							
07	01	01	1	01	-0.5	0.026	-9.000	-9.000	-999.	10.	3.0	0.19	1.00	
1.00	0.50	133.		9.1	279.9	5.5								
07	01	01	1	02	-0.5	0.026	-9.000	-9.000	-999.	10.	3.0	0.19	1.00	
1.00	0.50	192.		9.1	279.2	5.5								
07	01	01	1	03	-0.5	0.026	-9.000	-9.000	-999.	10.	3.0	0.19	1.00	
1.00	0.50	160.		9.1	277.5	5.5								
07	01	01	1	04	-0.5	0.026	-9.000	-9.000	-999.	10.	3.0	0.19	1.00	
1.00	0.50	75.		9.1	277.5	5.5								
07	01	01	1	05	-0.6	0.026	-9.000	-9.000	-999.	10.	2.6	0.19	1.00	
1.00	0.50	282.		9.1	278.8	5.5								
07	01	01	1	06	-0.6	0.026	-9.000	-9.000	-999.	10.	2.6	0.19	1.00	

AERMOD LSTs Operational Output

1.00	0.50	96.	9.1	277.5	5.5								
07	01	01	1	07	-0.5	0.026	-9.000	-9.000	-999.	10.	3.0	0.19	1.00
1.00	0.50	129.	9.1	278.1	5.5								
07	01	01	1	08	-0.4	0.026	-9.000	-9.000	-999.	10.	3.7	0.19	1.00
0.54	0.50	99.	9.1	277.5	5.5								
07	01	01	1	09	27.8	0.091	0.542	0.005	196.	66.	-2.3	0.19	1.00
0.33	0.50	133.	9.1	278.1	5.5								
07	01	01	1	10	76.9	0.104	1.050	0.005	516.	81.	-1.3	0.19	1.00
0.26	0.50	174.	9.1	281.4	5.5								
07	01	01	1	11	110.0	0.109	1.374	0.009	810.	87.	-1.0	0.19	1.00
0.23	0.50	95.	9.1	284.9	5.5								
07	01	01	1	12	125.7	0.201	1.589	0.018	1095.	216.	-5.5	0.19	1.00
0.22	1.30	94.	9.1	288.1	5.5								
07	01	01	1	13	121.7	0.287	1.641	0.022	1248.	369.	-16.6	0.19	1.00
0.22	2.20	24.	9.1	291.4	5.5								
07	01	01	1	14	102.8	0.414	1.559	0.021	1265.	639.	-59.1	0.19	1.00
0.23	3.60	13.	9.1	292.5	5.5								
07	01	01	1	15	69.9	0.619	1.374	0.021	1276.	1169.	-291.2	0.19	1.00
0.27	5.80	318.	9.1	292.0	5.5								
07	01	01	1	16	16.8	0.607	0.856	0.021	1277.	1135.	-1137.8	0.19	1.00
0.36	5.80	329.	9.1	291.4	5.5								
07	01	01	1	17	-42.2	0.437	-9.000	-9.000	-999.	720.	169.3	0.19	1.00
0.64	4.50	333.	9.1	289.9	5.5								
07	01	01	1	18	-18.5	0.353	-9.000	-9.000	-999.	510.	204.1	0.19	1.00
1.00	3.60	305.	9.1	288.8	5.5								
07	01	01	1	19	-42.3	0.437	-9.000	-9.000	-999.	692.	168.7	0.19	1.00
1.00	4.50	276.	9.1	287.5	5.5								
07	01	01	1	20	-32.3	0.334	-9.000	-9.000	-999.	470.	98.6	0.19	1.00
1.00	3.60	323.	9.1	287.5	5.5								
07	01	01	1	21	-36.7	0.380	-9.000	-9.000	-999.	562.	128.3	0.19	1.00
1.00	4.00	322.	9.1	288.1	5.5								
07	01	01	1	22	-45.6	0.434	-9.000	-9.000	-999.	685.	153.6	0.19	1.00
1.00	4.50	30.	9.1	288.1	5.5								
07	01	01	1	23	-39.7	0.377	-9.000	-9.000	-999.	557.	115.4	0.19	1.00
1.00	4.00	343.	9.1	287.0	5.5								
07	01	01	1	24	-7.7	0.093	-9.000	-9.000	-999.	215.	9.1	0.19	1.00
1.00	1.80	155.	9.1	283.8	5.5								

First hour of profile data

YR	MO	DY	HR	HEIGHT	F	WDIR	WSPD	AMB_TMP	sigmaA	sigmaW	sigmaV
07	01	01	01	5.5	0	-999.	-99.00	279.9	99.0	-99.00	-99.00
07	01	01	01	9.1	1	133.	0.50	-999.0	99.0	-99.00	-99.00

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

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*** AERMET - VERSION 14134 ***

AERMOD LSTs Operational Output
*** 12:37:14

***MODELOPTs: NonDEFAULT CONC PAGE 43
ELEV FLGPOL OLM URBAN

*** THE 1ST HIGHEST 1-HR AVERAGE CONCENTRATION
VALUES FOR SOURCE GROUP: ALL ***
INCLUDING SOURCE(S): L0001125 , L0001126
, L0001127 , L0001128 , L0001129 ,
L0001130 , L0001131 , L0001132 , L0001133 , L0001134
, L0001135 , L0001136 , L0001137 ,
L0001138 , L0001139 , L0001140 , L0001141 , L0001142
, L0001143 , L0001144 , L0001145 ,
L0001146 , L0001147 , L0001148 , L0001149 , L0001150
, L0001151 , L0001152 , . . . ,

*** DISCRETE CARTESIAN RECEPTOR POINTS

** CONC OF NO2 IN PPM

**

X-COORD (M)	Y-COORD (M)	CONC	(YYMMDDHH)	X-COORD (M)
Y-COORD (M)	CONC	(YYMMDDHH)		
477994.17	3749818.50	0.00372	(10093020)	478348.59
3749820.73	0.00377	(11063006)		
478323.98	3749446.94	0.00462	(11111118)	478321.90
3749107.70	0.00639	(11042420)		
478311.50	3748947.34	0.00940	(07090220)	478314.46
3748704.06	0.01213	(07083001)		
478309.66	3748401.33	0.01368	(10082624)	478302.71
3748248.43	0.01009	(07072322)		

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***MODELOPTs: NonDEFAULT CONC PAGE 44
ELEV FLGPOL OLM URBAN

*** THE SUMMARY OF HIGHEST 1-HR

RESULTS ***

** CONC OF NO2 IN PPM

**

AERMOD LSTs Operational Output

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

ALL HIGH 1ST HIGH VALUE IS 0.01368 ON 10082624: AT (478309.66,
3748401.33, 451.00, 451.00, 2.00) DC

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

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**MODELOPTs: NonDEFAULT CONC ELEV FLGPOL OLM URBAN

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

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

A Total of 0 Fatal Error Message(s)
A Total of 3 Warning Message(s)
A Total of 1895 Informational Message(s)

A Total of 43824 Hours Were Processed

A Total of 90 Calm Hours Identified

A Total of 1805 Missing Hours Identified (4.12 Percent)

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

***** WARNING MESSAGES *****
CO W276 23 POLLID: Special proc for 1h-NO2/SO2 24hPM25 NAAQS disabled
NO2 H1H
CO W271 32 COCARD: O3FILE w/o O3VALs; full conv for hrs with miss O3

AERMOD LSTs Operational Output
ME W531 1784 MEOPEN: CAUTION! Met Station ID Missing from SURFFILE for
SURFDATA

*** AERMOD Finishes Successfully ***

**

**
** AERMOD Input Produced by:
** AERMOD View Ver. 9.0.0
** Lakes Environmental Software Inc.
** Date: 11/3/2015
** File: C:\Lakes\AERMOD View\MVL\OperationalLSTs\PM10\PM10.ADI
**

**
**

** AERMOD Control Pathway

**
**

CO STARTING
TITLEONE C:\Lakes\AERMOD View\MVL\OperationalLSTs\PM10\PM10.isc
MODELOPT DFAULT CONC
AVERTIME 24 ANNUAL
URBANOPT 2100516
POLLUTID PM_10
FLAGPOLE 2.00
RUNORNOT RUN
ERRORFIL PM10.err

CO FINISHED

**

** AERMOD Source Pathway

**
**

SO STARTING
** Source Location **
** Source ID - Type - X Coord. - Y Coord. **
** -----
** Line Source Represented by Adjacent Volume Sources
** LINE VOLUME Source ID = SLINE1
** DESCRSRC On-Site Idling East of Building 1
** PREFIX

AERMOD LSTs Operational Output

** Length of Side = 30.00
 ** Configuration = Adjacent
 ** Emission Rate = 0.000132
 ** Vertical Dimension = 4.00
 ** SZINIT = 1.86
 ** Nodes = 2
 ** 478216.131, 3748401.256, 451.00, 4.00, 13.95
 ** 478218.470, 3748912.349, 453.00, 4.00, 13.95

** -----
 LOCATION L0002317 VOLUME 478216.200 3748416.256 451.00
 LOCATION L0002318 VOLUME 478216.337 3748446.256 451.00
 LOCATION L0002319 VOLUME 478216.474 3748476.255 451.15
 LOCATION L0002320 VOLUME 478216.612 3748506.255 451.73
 LOCATION L0002321 VOLUME 478216.749 3748536.255 452.00
 LOCATION L0002322 VOLUME 478216.886 3748566.254 452.00
 LOCATION L0002323 VOLUME 478217.023 3748596.254 452.00
 LOCATION L0002324 VOLUME 478217.161 3748626.254 452.00
 LOCATION L0002325 VOLUME 478217.298 3748656.253 452.00
 LOCATION L0002326 VOLUME 478217.435 3748686.253 452.00
 LOCATION L0002327 VOLUME 478217.573 3748716.253 452.00
 LOCATION L0002328 VOLUME 478217.710 3748746.252 452.00
 LOCATION L0002329 VOLUME 478217.847 3748776.252 452.00
 LOCATION L0002330 VOLUME 478217.984 3748806.252 452.66
 LOCATION L0002331 VOLUME 478218.122 3748836.251 453.00
 LOCATION L0002332 VOLUME 478218.259 3748866.251 453.00
 LOCATION L0002333 VOLUME 478218.396 3748896.251 453.00

** End of LINE VOLUME Source ID = SLINE1

** -----
 ** Line Source Represented by Adjacent Volume Sources
 ** LINE VOLUME Source ID = SLINE3
 ** DESCRSRC On-Site Idling West of Building 1
 ** PREFIX
 ** Length of Side = 30.00
 ** Configuration = Adjacent
 ** Emission Rate = 0.0001127
 ** Vertical Dimension = 4.00
 ** SZINIT = 1.86
 ** Nodes = 2
 ** 477943.756, 3748486.125, 451.01, 4.00, 13.95
 ** 477947.383, 3748908.539, 453.00, 4.00, 13.95

** -----
 LOCATION L0002334 VOLUME 477943.885 3748501.124 451.49
 LOCATION L0002335 VOLUME 477944.142 3748531.123 452.00
 LOCATION L0002336 VOLUME 477944.400 3748561.122 452.00
 LOCATION L0002337 VOLUME 477944.658 3748591.121 452.00
 LOCATION L0002338 VOLUME 477944.915 3748621.120 452.00
 LOCATION L0002339 VOLUME 477945.173 3748651.119 452.00
 LOCATION L0002340 VOLUME 477945.430 3748681.118 452.49

AERMOD LSTs Operational Output

LOCATION L0002341	VOLUME	477945.688	3748711.117	453.00
LOCATION L0002342	VOLUME	477945.945	3748741.116	453.00
LOCATION L0002343	VOLUME	477946.203	3748771.114	453.00
LOCATION L0002344	VOLUME	477946.461	3748801.113	453.00
LOCATION L0002345	VOLUME	477946.718	3748831.112	453.00
LOCATION L0002346	VOLUME	477946.976	3748861.111	453.00
LOCATION L0002347	VOLUME	477947.233	3748891.110	453.00

** End of LINE VOLUME Source ID = SLINE3

** -----

** Line Source Represented by Adjacent Volume Sources

** LINE VOLUME Source ID = SLINE4

** DESCRSRC On-Site Idling Building 2

** PREFIX

** Length of Side = 8.50

** Configuration = Adjacent

** Emission Rate = 0.00005939

** Vertical Dimension = 4.00

** SZINIT = 1.86

** Nodes = 2

** 477756.670, 3748942.717, 453.94, 4.00, 3.95

** 477756.670, 3748877.200, 453.03, 4.00, 3.95

** -----

LOCATION L0002348	VOLUME	477756.670	3748938.467	454.00
LOCATION L0002349	VOLUME	477756.670	3748929.967	453.80
LOCATION L0002350	VOLUME	477756.670	3748921.467	453.55
LOCATION L0002351	VOLUME	477756.670	3748912.967	453.30
LOCATION L0002352	VOLUME	477756.670	3748904.467	453.10
LOCATION L0002353	VOLUME	477756.670	3748895.967	453.10
LOCATION L0002354	VOLUME	477756.670	3748887.467	453.10
LOCATION L0002355	VOLUME	477756.670	3748878.967	453.10

** End of LINE VOLUME Source ID = SLINE4

** -----

** Line Source Represented by Adjacent Volume Sources

** LINE VOLUME Source ID = SLINE5

** DESCRSRC On-site Idling Building 3

** PREFIX

** Length of Side = 8.50

** Configuration = Adjacent

** Emission Rate = 0.00004706

** Vertical Dimension = 4.00

** SZINIT = 1.86

** Nodes = 6

** 477895.901, 3748339.060, 451.00, 4.00, 3.95

** 477936.827, 3748338.755, 450.99, 4.00, 3.95

** 477944.157, 3748337.839, 450.98, 4.00, 3.95

** 477975.920, 3748282.559, 450.00, 4.00, 3.95

** 477978.363, 3748262.401, 450.00, 4.00, 3.95

** 477978.058, 3748213.840, 450.00, 4.00, 3.95

AERMOD LSTs Operational Output

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** -----
LOCATION L0002356    VOLUME    477900.151 3748339.028 451.00
LOCATION L0002357    VOLUME    477908.651 3748338.965 451.00
LOCATION L0002358    VOLUME    477917.150 3748338.902 451.00
LOCATION L0002359    VOLUME    477925.650 3748338.838 451.00
LOCATION L0002360    VOLUME    477934.150 3748338.775 451.00
LOCATION L0002361    VOLUME    477942.605 3748338.033 451.00
LOCATION L0002362    VOLUME    477947.612 3748331.825 451.00
LOCATION L0002363    VOLUME    477951.847 3748324.455 451.00
LOCATION L0002364    VOLUME    477956.082 3748317.085 450.00
LOCATION L0002365    VOLUME    477960.317 3748309.715 450.00
LOCATION L0002366    VOLUME    477964.551 3748302.345 450.00
LOCATION L0002367    VOLUME    477968.786 3748294.975 450.00
LOCATION L0002368    VOLUME    477973.021 3748287.605 450.00
LOCATION L0002369    VOLUME    477976.242 3748279.898 450.00
LOCATION L0002370    VOLUME    477977.265 3748271.460 450.00
LOCATION L0002371    VOLUME    477978.288 3748263.022 450.00
LOCATION L0002372    VOLUME    477978.314 3748254.526 450.00
LOCATION L0002373    VOLUME    477978.260 3748246.026 450.00
LOCATION L0002374    VOLUME    477978.207 3748237.527 450.00
LOCATION L0002375    VOLUME    477978.153 3748229.027 450.00
LOCATION L0002376    VOLUME    477978.100 3748220.527 450.00
** End of LINE VOLUME Source ID = SLINE5
** -----
** Line Source Represented by Adjacent Volume Sources
** LINE VOLUME Source ID = SLINE6
** DESCRSRC On-Site Idling Building 4
** PREFIX
** Length of Side = 8.50
** Configuration = Adjacent
** Emission Rate = 0.00008049
** Vertical Dimension = 4.00
** SZINIT = 1.86
** Nodes = 2
** 477608.667, 3748933.539, 454.00, 0.00, 3.95
** 477608.667, 3748808.378, 454.00, 0.00, 3.95
** -----
LOCATION L0002377    VOLUME    477608.667 3748929.289 454.00
LOCATION L0002378    VOLUME    477608.667 3748920.789 454.00
LOCATION L0002379    VOLUME    477608.667 3748912.289 454.00
LOCATION L0002380    VOLUME    477608.667 3748903.789 454.00
LOCATION L0002381    VOLUME    477608.667 3748895.289 454.00
LOCATION L0002382    VOLUME    477608.667 3748886.789 454.00
LOCATION L0002383    VOLUME    477608.667 3748878.289 454.00
LOCATION L0002384    VOLUME    477608.667 3748869.789 454.00
LOCATION L0002385    VOLUME    477608.667 3748861.289 454.00
LOCATION L0002386    VOLUME    477608.667 3748852.789 454.00
LOCATION L0002387    VOLUME    477608.667 3748844.289 454.00

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AERMOD LSTs Operational Output

LOCATION L0002388	VOLUME	477608.667	3748835.789	454.00
LOCATION L0002389	VOLUME	477608.667	3748827.289	454.00
LOCATION L0002390	VOLUME	477608.667	3748818.789	454.00
LOCATION L0002391	VOLUME	477608.667	3748810.289	454.00

** End of LINE VOLUME Source ID = SLINE6

**

** Line Source Represented by Adjacent Volume Sources

** LINE VOLUME Source ID = SLINE2

** DESCRSRC On-Site Idling South of Building 1

** PREFIX

** Length of Side = 30.00

** Configuration = Adjacent

** Emission Rate = 0.00003634

** Vertical Dimension = 4.00

** SZINIT = 1.86

** Nodes = 2

** 478028.009, 3748335.520, 450.99, 0.00, 13.95

** 478166.972, 3748332.512, 450.89, 0.00, 13.95

**

LOCATION L0002392	VOLUME	478043.005	3748335.195	451.00
LOCATION L0002393	VOLUME	478072.998	3748334.546	451.00
LOCATION L0002394	VOLUME	478102.991	3748333.897	451.00
LOCATION L0002395	VOLUME	478132.984	3748333.248	451.00
LOCATION L0002396	VOLUME	478162.977	3748332.598	451.00

** End of LINE VOLUME Source ID = SLINE2

**

** Line Source Represented by Adjacent Volume Sources

** LINE VOLUME Source ID = SLINE7

** DESCRSRC On-Site Travel Building 1

** PREFIX

** Length of Side = 8.50

** Configuration = Adjacent

** Emission Rate = 0.001614

** Vertical Dimension = 4.00

** SZINIT = 1.86

** Nodes = 10

** 477952.409, 3748975.666, 453.00, 4.00, 3.95

** 477951.898, 3748949.071, 453.00, 4.00, 3.95

** 477948.317, 3748924.522, 453.00, 4.00, 3.95

** 477947.295, 3748869.798, 453.00, 4.00, 3.95

** 477944.226, 3748488.264, 451.01, 4.00, 3.95

** 478016.339, 3748353.755, 451.00, 4.00, 3.95

** 478027.591, 3748336.366, 450.99, 4.00, 3.95

** 478215.801, 3748338.412, 450.97, 4.00, 3.95

** 478219.892, 3748913.271, 453.00, 4.00, 3.95

** 478201.992, 3748972.086, 453.00, 4.00, 3.95

**

LOCATION L0002397	VOLUME	477952.327	3748971.417	453.00

AERMOD LSTs Operational Output

LOCATION	L0002398	VOLUME	477952.164	3748962.918	453.00
LOCATION	L0002399	VOLUME	477952.001	3748954.420	453.00
LOCATION	L0002400	VOLUME	477951.443	3748945.954	453.00
LOCATION	L0002401	VOLUME	477950.216	3748937.543	453.00
LOCATION	L0002402	VOLUME	477948.989	3748929.132	453.00
LOCATION	L0002403	VOLUME	477948.245	3748920.681	453.00
LOCATION	L0002404	VOLUME	477948.087	3748912.183	453.00
LOCATION	L0002405	VOLUME	477947.928	3748903.684	453.00
LOCATION	L0002406	VOLUME	477947.769	3748895.186	453.00
LOCATION	L0002407	VOLUME	477947.610	3748886.687	453.00
LOCATION	L0002408	VOLUME	477947.452	3748878.189	453.00
LOCATION	L0002409	VOLUME	477947.294	3748869.690	453.00
LOCATION	L0002410	VOLUME	477947.226	3748861.191	453.00
LOCATION	L0002411	VOLUME	477947.157	3748852.691	453.00
LOCATION	L0002412	VOLUME	477947.089	3748844.191	453.00
LOCATION	L0002413	VOLUME	477947.021	3748835.691	453.00
LOCATION	L0002414	VOLUME	477946.952	3748827.192	453.00
LOCATION	L0002415	VOLUME	477946.884	3748818.692	453.00
LOCATION	L0002416	VOLUME	477946.816	3748810.192	453.00
LOCATION	L0002417	VOLUME	477946.747	3748801.692	453.00
LOCATION	L0002418	VOLUME	477946.679	3748793.193	453.00
LOCATION	L0002419	VOLUME	477946.610	3748784.693	453.00
LOCATION	L0002420	VOLUME	477946.542	3748776.193	453.00
LOCATION	L0002421	VOLUME	477946.474	3748767.694	453.00
LOCATION	L0002422	VOLUME	477946.405	3748759.194	453.00
LOCATION	L0002423	VOLUME	477946.337	3748750.694	453.00
LOCATION	L0002424	VOLUME	477946.269	3748742.194	453.00
LOCATION	L0002425	VOLUME	477946.200	3748733.695	453.00
LOCATION	L0002426	VOLUME	477946.132	3748725.195	453.00
LOCATION	L0002427	VOLUME	477946.063	3748716.695	453.00
LOCATION	L0002428	VOLUME	477945.995	3748708.195	453.00
LOCATION	L0002429	VOLUME	477945.927	3748699.696	453.00
LOCATION	L0002430	VOLUME	477945.858	3748691.196	452.82
LOCATION	L0002431	VOLUME	477945.790	3748682.696	452.54
LOCATION	L0002432	VOLUME	477945.722	3748674.197	452.25
LOCATION	L0002433	VOLUME	477945.653	3748665.697	452.00
LOCATION	L0002434	VOLUME	477945.585	3748657.197	452.00
LOCATION	L0002435	VOLUME	477945.517	3748648.697	452.00
LOCATION	L0002436	VOLUME	477945.448	3748640.198	452.00
LOCATION	L0002437	VOLUME	477945.380	3748631.698	452.00
LOCATION	L0002438	VOLUME	477945.311	3748623.198	452.00
LOCATION	L0002439	VOLUME	477945.243	3748614.699	452.00
LOCATION	L0002440	VOLUME	477945.175	3748606.199	452.00
LOCATION	L0002441	VOLUME	477945.106	3748597.699	452.00
LOCATION	L0002442	VOLUME	477945.038	3748589.199	452.00
LOCATION	L0002443	VOLUME	477944.970	3748580.700	452.00
LOCATION	L0002444	VOLUME	477944.901	3748572.200	452.00
LOCATION	L0002445	VOLUME	477944.833	3748563.700	452.00

AERMOD LSTs Operational Output

LOCATION	L0002446	VOLUME	477944.764	3748555.200	452.00
LOCATION	L0002447	VOLUME	477944.696	3748546.701	452.00
LOCATION	L0002448	VOLUME	477944.628	3748538.201	452.00
LOCATION	L0002449	VOLUME	477944.559	3748529.701	452.00
LOCATION	L0002450	VOLUME	477944.491	3748521.202	452.00
LOCATION	L0002451	VOLUME	477944.423	3748512.702	451.87
LOCATION	L0002452	VOLUME	477944.354	3748504.202	451.59
LOCATION	L0002453	VOLUME	477944.286	3748495.702	451.30
LOCATION	L0002454	VOLUME	477944.728	3748487.329	451.03
LOCATION	L0002455	VOLUME	477948.744	3748479.837	451.00
LOCATION	L0002456	VOLUME	477952.760	3748472.346	451.00
LOCATION	L0002457	VOLUME	477956.776	3748464.855	451.00
LOCATION	L0002458	VOLUME	477960.792	3748457.363	451.00
LOCATION	L0002459	VOLUME	477964.809	3748449.872	451.00
LOCATION	L0002460	VOLUME	477968.825	3748442.381	451.00
LOCATION	L0002461	VOLUME	477972.841	3748434.889	451.00
LOCATION	L0002462	VOLUME	477976.857	3748427.398	451.00
LOCATION	L0002463	VOLUME	477980.874	3748419.907	451.00
LOCATION	L0002464	VOLUME	477984.890	3748412.415	451.00
LOCATION	L0002465	VOLUME	477988.906	3748404.924	451.00
LOCATION	L0002466	VOLUME	477992.922	3748397.433	451.00
LOCATION	L0002467	VOLUME	477996.939	3748389.941	451.00
LOCATION	L0002468	VOLUME	478000.955	3748382.450	451.00
LOCATION	L0002469	VOLUME	478004.971	3748374.959	451.00
LOCATION	L0002470	VOLUME	478008.987	3748367.468	451.00
LOCATION	L0002471	VOLUME	478013.004	3748359.976	451.00
LOCATION	L0002472	VOLUME	478017.122	3748352.545	451.00
LOCATION	L0002473	VOLUME	478021.740	3748345.409	451.00
LOCATION	L0002474	VOLUME	478026.357	3748338.273	451.00
LOCATION	L0002475	VOLUME	478033.820	3748336.434	451.00
LOCATION	L0002476	VOLUME	478042.319	3748336.526	451.00
LOCATION	L0002477	VOLUME	478050.819	3748336.619	451.00
LOCATION	L0002478	VOLUME	478059.318	3748336.711	451.00
LOCATION	L0002479	VOLUME	478067.818	3748336.803	451.00
LOCATION	L0002480	VOLUME	478076.317	3748336.896	451.00
LOCATION	L0002481	VOLUME	478084.817	3748336.988	451.00
LOCATION	L0002482	VOLUME	478093.316	3748337.080	451.00
LOCATION	L0002483	VOLUME	478101.816	3748337.173	451.00
LOCATION	L0002484	VOLUME	478110.315	3748337.265	451.00
LOCATION	L0002485	VOLUME	478118.815	3748337.358	451.00
LOCATION	L0002486	VOLUME	478127.314	3748337.450	451.00
LOCATION	L0002487	VOLUME	478135.814	3748337.542	451.00
LOCATION	L0002488	VOLUME	478144.313	3748337.635	451.00
LOCATION	L0002489	VOLUME	478152.813	3748337.727	451.00
LOCATION	L0002490	VOLUME	478161.312	3748337.820	451.00
LOCATION	L0002491	VOLUME	478169.812	3748337.912	451.00
LOCATION	L0002492	VOLUME	478178.311	3748338.004	451.00
LOCATION	L0002493	VOLUME	478186.811	3748338.097	451.00

AERMOD LSTs Operational Output

LOCATION	L0002494	VOLUME	478195.310	3748338.189	451.00
LOCATION	L0002495	VOLUME	478203.810	3748338.282	451.00
LOCATION	L0002496	VOLUME	478212.309	3748338.374	451.00
LOCATION	L0002497	VOLUME	478215.837	3748343.420	451.00
LOCATION	L0002498	VOLUME	478215.897	3748351.920	451.00
LOCATION	L0002499	VOLUME	478215.958	3748360.419	451.00
LOCATION	L0002500	VOLUME	478216.018	3748368.919	451.00
LOCATION	L0002501	VOLUME	478216.079	3748377.419	451.00
LOCATION	L0002502	VOLUME	478216.139	3748385.919	451.00
LOCATION	L0002503	VOLUME	478216.200	3748394.419	451.00
LOCATION	L0002504	VOLUME	478216.260	3748402.918	451.00
LOCATION	L0002505	VOLUME	478216.321	3748411.418	451.00
LOCATION	L0002506	VOLUME	478216.381	3748419.918	451.00
LOCATION	L0002507	VOLUME	478216.442	3748428.418	451.00
LOCATION	L0002508	VOLUME	478216.502	3748436.918	451.00
LOCATION	L0002509	VOLUME	478216.563	3748445.417	451.00
LOCATION	L0002510	VOLUME	478216.623	3748453.917	451.00
LOCATION	L0002511	VOLUME	478216.683	3748462.417	451.04
LOCATION	L0002512	VOLUME	478216.744	3748470.917	451.11
LOCATION	L0002513	VOLUME	478216.804	3748479.416	451.18
LOCATION	L0002514	VOLUME	478216.865	3748487.916	451.27
LOCATION	L0002515	VOLUME	478216.925	3748496.416	451.49
LOCATION	L0002516	VOLUME	478216.986	3748504.916	451.70
LOCATION	L0002517	VOLUME	478217.046	3748513.416	451.92
LOCATION	L0002518	VOLUME	478217.107	3748521.915	452.00
LOCATION	L0002519	VOLUME	478217.167	3748530.415	452.00
LOCATION	L0002520	VOLUME	478217.228	3748538.915	452.00
LOCATION	L0002521	VOLUME	478217.288	3748547.415	452.00
LOCATION	L0002522	VOLUME	478217.349	3748555.915	452.00
LOCATION	L0002523	VOLUME	478217.409	3748564.414	452.00
LOCATION	L0002524	VOLUME	478217.470	3748572.914	452.00
LOCATION	L0002525	VOLUME	478217.530	3748581.414	452.00
LOCATION	L0002526	VOLUME	478217.591	3748589.914	452.00
LOCATION	L0002527	VOLUME	478217.651	3748598.413	452.00
LOCATION	L0002528	VOLUME	478217.712	3748606.913	452.00
LOCATION	L0002529	VOLUME	478217.772	3748615.413	452.00
LOCATION	L0002530	VOLUME	478217.833	3748623.913	452.00
LOCATION	L0002531	VOLUME	478217.893	3748632.413	452.00
LOCATION	L0002532	VOLUME	478217.954	3748640.912	452.00
LOCATION	L0002533	VOLUME	478218.014	3748649.412	452.00
LOCATION	L0002534	VOLUME	478218.075	3748657.912	452.00
LOCATION	L0002535	VOLUME	478218.135	3748666.412	452.00
LOCATION	L0002536	VOLUME	478218.196	3748674.912	452.00
LOCATION	L0002537	VOLUME	478218.256	3748683.411	452.00
LOCATION	L0002538	VOLUME	478218.317	3748691.911	452.00
LOCATION	L0002539	VOLUME	478218.377	3748700.411	452.00
LOCATION	L0002540	VOLUME	478218.438	3748708.911	452.00
LOCATION	L0002541	VOLUME	478218.498	3748717.410	452.00

AERMOD LSTs Operational Output

LOCATION L0002542	VOLUME	478218.559	3748725.910	452.00
LOCATION L0002543	VOLUME	478218.619	3748734.410	452.00
LOCATION L0002544	VOLUME	478218.680	3748742.910	452.00
LOCATION L0002545	VOLUME	478218.740	3748751.410	452.00
LOCATION L0002546	VOLUME	478218.801	3748759.909	452.00
LOCATION L0002547	VOLUME	478218.861	3748768.409	452.00
LOCATION L0002548	VOLUME	478218.922	3748776.909	452.00
LOCATION L0002549	VOLUME	478218.982	3748785.409	452.00
LOCATION L0002550	VOLUME	478219.043	3748793.908	452.25
LOCATION L0002551	VOLUME	478219.103	3748802.408	452.53
LOCATION L0002552	VOLUME	478219.164	3748810.908	452.81
LOCATION L0002553	VOLUME	478219.224	3748819.408	453.00
LOCATION L0002554	VOLUME	478219.285	3748827.908	453.00
LOCATION L0002555	VOLUME	478219.345	3748836.407	453.00
LOCATION L0002556	VOLUME	478219.405	3748844.907	453.00
LOCATION L0002557	VOLUME	478219.466	3748853.407	453.00
LOCATION L0002558	VOLUME	478219.526	3748861.907	453.00
LOCATION L0002559	VOLUME	478219.587	3748870.407	453.00
LOCATION L0002560	VOLUME	478219.647	3748878.906	453.00
LOCATION L0002561	VOLUME	478219.708	3748887.406	453.00
LOCATION L0002562	VOLUME	478219.768	3748895.906	453.00
LOCATION L0002563	VOLUME	478219.829	3748904.406	453.00
LOCATION L0002564	VOLUME	478219.889	3748912.905	453.00
LOCATION L0002565	VOLUME	478217.524	3748921.053	453.00
LOCATION L0002566	VOLUME	478215.049	3748929.185	453.00
LOCATION L0002567	VOLUME	478212.574	3748937.317	453.00
LOCATION L0002568	VOLUME	478210.099	3748945.448	453.00
LOCATION L0002569	VOLUME	478207.624	3748953.580	453.00
LOCATION L0002570	VOLUME	478205.149	3748961.712	453.00
LOCATION L0002571	VOLUME	478202.675	3748969.843	453.00

** End of LINE VOLUME Source ID = SLINE7

** -----

** Line Source Represented by Adjacent Volume Sources

** LINE VOLUME Source ID = SLINE8

** DESCRSRC On-Site Travel Building 2

** PREFIX

** Length of Side = 8.50

** Configuration = Adjacent

** Emission Rate = 0.0001159

** Vertical Dimension = 4.00

** SZINIT = 1.86

** Nodes = 9

** 477852.753, 3748830.967, 453.00, 4.00, 3.95

** 477853.554, 3748979.688, 453.09, 4.00, 3.95

** 477742.747, 3748979.421, 454.00, 4.00, 3.95

** 477742.213, 3748884.901, 453.70, 4.00, 3.95

** 477754.762, 3748840.579, 453.84, 4.00, 3.95

** 477770.249, 3748826.695, 453.00, 4.00, 3.95

AERMOD LSTs Operational Output

** 477798.284, 3748826.161, 453.00, 4.00, 3.95

** 477843.675, 3748825.894, 453.00, 4.00, 3.95

** 477853.554, 3748825.627, 453.00, 4.00, 3.95

**

LOCATION	L0002572	VOLUME	477852.776	3748835.217	453.00
LOCATION	L0002573	VOLUME	477852.822	3748843.717	453.00
LOCATION	L0002574	VOLUME	477852.867	3748852.217	453.00
LOCATION	L0002575	VOLUME	477852.913	3748860.717	453.00
LOCATION	L0002576	VOLUME	477852.959	3748869.216	453.00
LOCATION	L0002577	VOLUME	477853.005	3748877.716	453.00
LOCATION	L0002578	VOLUME	477853.051	3748886.216	453.00
LOCATION	L0002579	VOLUME	477853.096	3748894.716	453.00
LOCATION	L0002580	VOLUME	477853.142	3748903.216	453.00
LOCATION	L0002581	VOLUME	477853.188	3748911.716	453.00
LOCATION	L0002582	VOLUME	477853.234	3748920.216	453.00
LOCATION	L0002583	VOLUME	477853.279	3748928.716	453.00
LOCATION	L0002584	VOLUME	477853.325	3748937.215	453.00
LOCATION	L0002585	VOLUME	477853.371	3748945.715	453.00
LOCATION	L0002586	VOLUME	477853.417	3748954.215	453.00
LOCATION	L0002587	VOLUME	477853.463	3748962.715	453.00
LOCATION	L0002588	VOLUME	477853.508	3748971.215	453.16
LOCATION	L0002589	VOLUME	477853.527	3748979.688	453.44
LOCATION	L0002590	VOLUME	477845.027	3748979.667	453.53
LOCATION	L0002591	VOLUME	477836.527	3748979.647	453.69
LOCATION	L0002592	VOLUME	477828.027	3748979.626	453.85
LOCATION	L0002593	VOLUME	477819.527	3748979.606	454.00
LOCATION	L0002594	VOLUME	477811.027	3748979.586	454.00
LOCATION	L0002595	VOLUME	477802.527	3748979.565	454.00
LOCATION	L0002596	VOLUME	477794.027	3748979.545	454.00
LOCATION	L0002597	VOLUME	477785.527	3748979.524	454.00
LOCATION	L0002598	VOLUME	477777.027	3748979.504	454.00
LOCATION	L0002599	VOLUME	477768.527	3748979.483	454.00
LOCATION	L0002600	VOLUME	477760.027	3748979.463	454.00
LOCATION	L0002601	VOLUME	477751.527	3748979.442	454.00
LOCATION	L0002602	VOLUME	477743.027	3748979.422	454.00
LOCATION	L0002603	VOLUME	477742.701	3748971.202	454.00
LOCATION	L0002604	VOLUME	477742.653	3748962.702	454.00
LOCATION	L0002605	VOLUME	477742.605	3748954.202	454.00
LOCATION	L0002606	VOLUME	477742.557	3748945.702	454.00
LOCATION	L0002607	VOLUME	477742.508	3748937.202	454.00
LOCATION	L0002608	VOLUME	477742.460	3748928.702	453.89
LOCATION	L0002609	VOLUME	477742.412	3748920.202	453.77
LOCATION	L0002610	VOLUME	477742.364	3748911.703	453.65
LOCATION	L0002611	VOLUME	477742.316	3748903.203	453.58
LOCATION	L0002612	VOLUME	477742.268	3748894.703	453.58
LOCATION	L0002613	VOLUME	477742.220	3748886.203	453.59
LOCATION	L0002614	VOLUME	477744.174	3748877.975	453.52
LOCATION	L0002615	VOLUME	477746.490	3748869.797	453.57

AERMOD LSTs Operational Output

LOCATION L0002616	VOLUME	477748.805	3748861.618	453.68
LOCATION L0002617	VOLUME	477751.121	3748853.440	453.84
LOCATION L0002618	VOLUME	477753.436	3748845.261	453.96
LOCATION L0002619	VOLUME	477757.468	3748838.153	453.72
LOCATION L0002620	VOLUME	477763.797	3748832.479	453.46
LOCATION L0002621	VOLUME	477770.126	3748826.806	453.22
LOCATION L0002622	VOLUME	477778.582	3748826.536	453.12
LOCATION L0002623	VOLUME	477787.080	3748826.374	453.03
LOCATION L0002624	VOLUME	477795.579	3748826.213	453.00
LOCATION L0002625	VOLUME	477804.078	3748826.127	453.00
LOCATION L0002626	VOLUME	477812.578	3748826.077	453.00
LOCATION L0002627	VOLUME	477821.078	3748826.027	453.00
LOCATION L0002628	VOLUME	477829.578	3748825.977	453.00
LOCATION L0002629	VOLUME	477838.078	3748825.927	453.00
LOCATION L0002630	VOLUME	477846.576	3748825.816	453.00

** End of LINE VOLUME Source ID = SLINE8

** -----

** Line Source Represented by Adjacent Volume Sources

** LINE VOLUME Source ID = SLINE9

** DESCRSRC On-Site Travel Building 3

** PREFIX

** Length of Side = 8.50

** Configuration = Adjacent

** Emission Rate = 0.0000758

** Vertical Dimension = 4.00

** SZINIT = 1.86

** Nodes = 12

** 477886.740, 3748199.498, 450.00, 4.00, 3.95

** 477885.465, 3748255.245, 450.85, 4.00, 3.95

** 477886.421, 3748337.112, 451.00, 4.00, 3.95

** 477917.002, 3748339.979, 451.00, 4.00, 3.95

** 477941.530, 3748338.068, 451.00, 4.00, 3.95

** 477951.087, 3748325.007, 450.71, 4.00, 3.95

** 477974.978, 3748285.507, 450.00, 4.00, 3.95

** 477981.349, 3748257.156, 450.00, 4.00, 3.95

** 477978.164, 3748219.567, 450.00, 4.00, 3.95

** 477993.877, 3748210.463, 450.00, 4.00, 3.95

** 477994.148, 3748197.465, 450.00, 4.00, 3.95

** 477931.056, 3748197.465, 450.00, 4.00, 3.95

** -----

LOCATION L0002631	VOLUME	477886.643	3748203.747	450.00
LOCATION L0002632	VOLUME	477886.448	3748212.245	450.00
LOCATION L0002633	VOLUME	477886.254	3748220.742	450.12
LOCATION L0002634	VOLUME	477886.060	3748229.240	450.34
LOCATION L0002635	VOLUME	477885.865	3748237.738	450.57
LOCATION L0002636	VOLUME	477885.671	3748246.236	450.81
LOCATION L0002637	VOLUME	477885.477	3748254.734	450.87
LOCATION L0002638	VOLUME	477885.558	3748263.233	450.92

AERMOD LSTs Operational Output

LOCATION L0002639	VOLUME	477885.658	3748271.732	450.97
LOCATION L0002640	VOLUME	477885.757	3748280.232	451.00
LOCATION L0002641	VOLUME	477885.856	3748288.731	451.00
LOCATION L0002642	VOLUME	477885.955	3748297.231	451.00
LOCATION L0002643	VOLUME	477886.055	3748305.730	451.00
LOCATION L0002644	VOLUME	477886.154	3748314.229	451.00
LOCATION L0002645	VOLUME	477886.253	3748322.729	451.00
LOCATION L0002646	VOLUME	477886.352	3748331.228	451.00
LOCATION L0002647	VOLUME	477889.025	3748337.356	451.00
LOCATION L0002648	VOLUME	477897.488	3748338.150	451.00
LOCATION L0002649	VOLUME	477905.951	3748338.943	451.00
LOCATION L0002650	VOLUME	477914.414	3748339.736	451.00
LOCATION L0002651	VOLUME	477922.885	3748339.521	451.00
LOCATION L0002652	VOLUME	477931.359	3748338.860	451.00
LOCATION L0002653	VOLUME	477939.834	3748338.200	451.00
LOCATION L0002654	VOLUME	477945.545	3748332.582	451.00
LOCATION L0002655	VOLUME	477950.564	3748325.722	451.00
LOCATION L0002656	VOLUME	477955.028	3748318.492	450.00
LOCATION L0002657	VOLUME	477959.427	3748311.219	450.00
LOCATION L0002658	VOLUME	477963.826	3748303.945	450.00
LOCATION L0002659	VOLUME	477968.225	3748296.672	450.00
LOCATION L0002660	VOLUME	477972.624	3748289.399	450.00
LOCATION L0002661	VOLUME	477975.844	3748281.652	450.00
LOCATION L0002662	VOLUME	477977.708	3748273.359	450.00
LOCATION L0002663	VOLUME	477979.572	3748265.066	450.00
LOCATION L0002664	VOLUME	477981.316	3748256.764	450.00
LOCATION L0002665	VOLUME	477980.598	3748248.295	450.00
LOCATION L0002666	VOLUME	477979.880	3748239.825	450.00
LOCATION L0002667	VOLUME	477979.163	3748231.355	450.00
LOCATION L0002668	VOLUME	477978.445	3748222.886	450.00
LOCATION L0002669	VOLUME	477982.637	3748216.975	450.00
LOCATION L0002670	VOLUME	477989.992	3748212.714	450.00
LOCATION L0002671	VOLUME	477993.961	3748206.454	450.00
LOCATION L0002672	VOLUME	477994.138	3748197.956	450.00
LOCATION L0002673	VOLUME	477986.139	3748197.465	450.00
LOCATION L0002674	VOLUME	477977.639	3748197.465	450.00
LOCATION L0002675	VOLUME	477969.139	3748197.465	450.00
LOCATION L0002676	VOLUME	477960.639	3748197.465	450.00
LOCATION L0002677	VOLUME	477952.139	3748197.465	450.00
LOCATION L0002678	VOLUME	477943.639	3748197.465	450.00
LOCATION L0002679	VOLUME	477935.139	3748197.465	450.00

** End of LINE VOLUME Source ID = SLINE9

**

** Line Source Represented by Adjacent Volume Sources

** LINE VOLUME Source ID = SLINE10

** DESCRSRC On-Site Travel Building 4

** PREFIX

** Length of Side = 8.50

AERMOD LSTs Operational Output

```

** Configuration = Adjacent
** Emission Rate = 0.000132
** Vertical Dimension = 4.00
** SZINIT = 1.86
** Nodes = 7
** 477500.822, 3748975.810, 454.06, 4.00, 3.95
** 477598.310, 3748973.915, 454.00, 4.00, 3.95
** 477610.497, 3748965.249, 454.00, 4.00, 3.95
** 477618.891, 3748935.461, 454.00, 4.00, 3.95
** 477626.203, 3748899.986, 454.00, 4.00, 3.95
** 477627.557, 3748795.456, 454.00, 4.00, 3.95
** 477487.823, 3748799.247, 454.00, 4.00, 3.95

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** -----
LOCATION L0002680    VOLUME  477505.071 3748975.727 454.15
LOCATION L0002681    VOLUME  477513.570 3748975.562 454.06
LOCATION L0002682    VOLUME  477522.068 3748975.397 454.00
LOCATION L0002683    VOLUME  477530.566 3748975.232 454.00
LOCATION L0002684    VOLUME  477539.065 3748975.067 454.00
LOCATION L0002685    VOLUME  477547.563 3748974.901 454.00
LOCATION L0002686    VOLUME  477556.062 3748974.736 454.00
LOCATION L0002687    VOLUME  477564.560 3748974.571 454.00
LOCATION L0002688    VOLUME  477573.058 3748974.406 454.00
LOCATION L0002689    VOLUME  477581.557 3748974.241 454.00
LOCATION L0002690    VOLUME  477590.055 3748974.075 454.00
LOCATION L0002691    VOLUME  477598.509 3748973.774 454.00
LOCATION L0002692    VOLUME  477605.436 3748968.848 454.00
LOCATION L0002693    VOLUME  477611.118 3748963.045 454.00
LOCATION L0002694    VOLUME  477613.423 3748954.864 454.00
LOCATION L0002695    VOLUME  477615.729 3748946.682 454.00
LOCATION L0002696    VOLUME  477618.034 3748938.501 454.00
LOCATION L0002697    VOLUME  477619.969 3748930.229 454.00
LOCATION L0002698    VOLUME  477621.685 3748921.904 454.00
LOCATION L0002699    VOLUME  477623.401 3748913.579 454.00
LOCATION L0002700    VOLUME  477625.117 3748905.254 454.00
LOCATION L0002701    VOLUME  477626.243 3748896.866 454.00
LOCATION L0002702    VOLUME  477626.354 3748888.366 454.00
LOCATION L0002703    VOLUME  477626.464 3748879.867 454.00
LOCATION L0002704    VOLUME  477626.574 3748871.368 454.00
LOCATION L0002705    VOLUME  477626.684 3748862.868 454.00
LOCATION L0002706    VOLUME  477626.794 3748854.369 454.00
LOCATION L0002707    VOLUME  477626.904 3748845.870 454.00
LOCATION L0002708    VOLUME  477627.014 3748837.370 454.00
LOCATION L0002709    VOLUME  477627.124 3748828.871 454.00
LOCATION L0002710    VOLUME  477627.234 3748820.372 454.00
LOCATION L0002711    VOLUME  477627.344 3748811.873 454.00
LOCATION L0002712    VOLUME  477627.454 3748803.373 454.00
LOCATION L0002713    VOLUME  477626.975 3748795.472 454.00
LOCATION L0002714    VOLUME  477618.478 3748795.702 454.00

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AERMOD LSTs Operational Output

LOCATION	L0002715	VOLUME	477609.981	3748795.933	454.00
LOCATION	L0002716	VOLUME	477601.485	3748796.163	454.00
LOCATION	L0002717	VOLUME	477592.988	3748796.394	454.00
LOCATION	L0002718	VOLUME	477584.491	3748796.624	454.00
LOCATION	L0002719	VOLUME	477575.994	3748796.855	454.00
LOCATION	L0002720	VOLUME	477567.497	3748797.085	454.00
LOCATION	L0002721	VOLUME	477559.000	3748797.316	454.00
LOCATION	L0002722	VOLUME	477550.503	3748797.546	454.00
LOCATION	L0002723	VOLUME	477542.006	3748797.777	454.00
LOCATION	L0002724	VOLUME	477533.510	3748798.008	454.00
LOCATION	L0002725	VOLUME	477525.013	3748798.238	454.00
LOCATION	L0002726	VOLUME	477516.516	3748798.469	454.00
LOCATION	L0002727	VOLUME	477508.019	3748798.699	454.00
LOCATION	L0002728	VOLUME	477499.522	3748798.930	454.00
LOCATION	L0002729	VOLUME	477491.025	3748799.160	454.00
** End of LINE VOLUME Source ID = SLINE10					
LOCATION	AREA1	AREA	477895.770	3748485.620	451.990
** DESCRSRC On-Site Equipment West of Building 1					
LOCATION	AREA2	AREA	478189.330	3748386.890	451.000
** DESCRSRC On-Site Equipment East of Building 1					
LOCATION	AREA3	AREA	478027.410	3748303.650	450.000
** DESCRSRC On-Site Equipment South of Building 1					
LOCATION	AREA4	AREA	477696.200	3748836.040	454.000
** DESCRSRC On-Site Idling Building 2					
LOCATION	AREA5	AREA	477967.690	3748183.560	450.000
** DESCRSRC On-Site Equipment Building 3					
LOCATION	AREA6	AREA	477599.310	3748788.100	454.000
** DESCRSRC On-Site Equipment Building 4					
LOCATION	STCK1	POINT	478197.320	3748887.470	453.000
** DESCRSRC Building 1					
LOCATION	STCK2	POINT	478195.108	3748735.565	452.000
** DESCRSRC Building 1					
LOCATION	STCK3	POINT	478195.845	3748573.336	452.000
** DESCRSRC Building 1					
LOCATION	STCK4	POINT	478198.057	3748428.068	451.000
** DESCRSRC Building 1					
LOCATION	STCK5	POINT	477956.189	3748894.107	453.000
** DESCRSRC Building 1					
LOCATION	STCK6	POINT	477962.088	3748741.464	453.000
** DESCRSRC Building 1					
LOCATION	STCK7	POINT	477962.826	3748581.448	452.000
** DESCRSRC Building 1					
LOCATION	STCK8	POINT	477964.301	3748509.920	451.780
** DESCRSRC Building 1					
LOCATION	STCK9	POINT	478049.102	3748355.802	451.000
** DESCRSRC Building 1					
LOCATION	STCK10	POINT	478153.076	3748357.277	451.000
** DESCRSRC Building 1					

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                                AERMOD LSTs Operational Output
LOCATION STCK11      POINT      477756.390  3748910.945      453.240
** DESCRSRC Building 2
LOCATION STCK12      POINT      477975.834  3748266.902      450.000
** DESCRSRC Building 3
LOCATION STCK13      POINT      477612.475  3748890.532      454.000
** DESCRSRC Building 4
** -----
** Line Source Represented by Adjacent Volume Sources
** LINE VOLUME Source ID = SLINE11
** DESCRSRC PC On-Site Idling North of Building 1
** PREFIX
** Length of Side = 8.50
** Configuration = Adjacent
** Emission Rate = 0.00005774
** Vertical Dimension = 3.00
** SZINIT = 1.40
** Nodes = 4
** 477922.477, 3748915.885, 453.00, 0.00, 3.95
** 477920.632, 3748955.547, 453.00, 0.00, 3.95
** 478225.010, 3748957.391, 453.00, 0.00, 3.95
** 478225.010, 3748921.419, 453.00, 0.00, 3.95
** -----
LOCATION L0002730    VOLUME    477922.279  3748920.131  453.00
LOCATION L0002731    VOLUME    477921.884  3748928.621  453.00
LOCATION L0002732    VOLUME    477921.489  3748937.112  453.00
LOCATION L0002733    VOLUME    477921.095  3748945.603  453.00
LOCATION L0002734    VOLUME    477920.700  3748954.094  453.00
LOCATION L0002735    VOLUME    477927.678  3748955.589  453.00
LOCATION L0002736    VOLUME    477936.177  3748955.641  453.00
LOCATION L0002737    VOLUME    477944.677  3748955.692  453.00
LOCATION L0002738    VOLUME    477953.177  3748955.744  453.00
LOCATION L0002739    VOLUME    477961.677  3748955.795  453.00
LOCATION L0002740    VOLUME    477970.177  3748955.847  453.00
LOCATION L0002741    VOLUME    477978.677  3748955.898  453.00
LOCATION L0002742    VOLUME    477987.177  3748955.950  453.00
LOCATION L0002743    VOLUME    477995.676  3748956.001  453.00
LOCATION L0002744    VOLUME    478004.176  3748956.053  453.00
LOCATION L0002745    VOLUME    478012.676  3748956.104  453.00
LOCATION L0002746    VOLUME    478021.176  3748956.156  453.00
LOCATION L0002747    VOLUME    478029.676  3748956.208  453.00
LOCATION L0002748    VOLUME    478038.176  3748956.259  453.00
LOCATION L0002749    VOLUME    478046.675  3748956.311  453.00
LOCATION L0002750    VOLUME    478055.175  3748956.362  453.00
LOCATION L0002751    VOLUME    478063.675  3748956.414  453.00
LOCATION L0002752    VOLUME    478072.175  3748956.465  453.00
LOCATION L0002753    VOLUME    478080.675  3748956.517  453.00
LOCATION L0002754    VOLUME    478089.175  3748956.568  453.00
LOCATION L0002755    VOLUME    478097.675  3748956.620  453.00

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AERMOD LSTs Operational Output

LOCATION L0002756	VOLUME	478106.174	3748956.671	453.00
LOCATION L0002757	VOLUME	478114.674	3748956.723	453.00
LOCATION L0002758	VOLUME	478123.174	3748956.774	453.00
LOCATION L0002759	VOLUME	478131.674	3748956.826	453.00
LOCATION L0002760	VOLUME	478140.174	3748956.877	453.00
LOCATION L0002761	VOLUME	478148.674	3748956.929	453.00
LOCATION L0002762	VOLUME	478157.173	3748956.980	453.00
LOCATION L0002763	VOLUME	478165.673	3748957.032	453.00
LOCATION L0002764	VOLUME	478174.173	3748957.083	453.00
LOCATION L0002765	VOLUME	478182.673	3748957.135	453.00
LOCATION L0002766	VOLUME	478191.173	3748957.186	453.00
LOCATION L0002767	VOLUME	478199.673	3748957.238	453.00
LOCATION L0002768	VOLUME	478208.172	3748957.289	453.00
LOCATION L0002769	VOLUME	478216.672	3748957.341	453.00
LOCATION L0002770	VOLUME	478225.010	3748957.229	453.00
LOCATION L0002771	VOLUME	478225.010	3748948.729	453.00
LOCATION L0002772	VOLUME	478225.010	3748940.229	453.00
LOCATION L0002773	VOLUME	478225.010	3748931.729	453.00
LOCATION L0002774	VOLUME	478225.010	3748923.229	453.00

** End of LINE VOLUME Source ID = SLINE11

**

** Line Source Represented by Adjacent Volume Sources

** LINE VOLUME Source ID = SLINE16

** DESCRSRC PC On-Site Travel North of Building 1

** PREFIX

** Length of Side = 8.50

** Configuration = Adjacent

** Emission Rate = 0.00002182

** Vertical Dimension = 3.00

** SZINIT = 1.40

** Nodes = 4

** 477922.477, 3748915.885, 453.00, 0.00, 3.95

** 477920.632, 3748955.547, 453.00, 0.00, 3.95

** 478225.010, 3748957.391, 453.00, 0.00, 3.95

** 478225.010, 3748921.419, 453.00, 0.00, 3.95

**

LOCATION L0002775	VOLUME	477922.279	3748920.131	453.00
LOCATION L0002776	VOLUME	477921.884	3748928.621	453.00
LOCATION L0002777	VOLUME	477921.489	3748937.112	453.00
LOCATION L0002778	VOLUME	477921.095	3748945.603	453.00
LOCATION L0002779	VOLUME	477920.700	3748954.094	453.00
LOCATION L0002780	VOLUME	477927.678	3748955.589	453.00
LOCATION L0002781	VOLUME	477936.177	3748955.641	453.00
LOCATION L0002782	VOLUME	477944.677	3748955.692	453.00
LOCATION L0002783	VOLUME	477953.177	3748955.744	453.00
LOCATION L0002784	VOLUME	477961.677	3748955.795	453.00
LOCATION L0002785	VOLUME	477970.177	3748955.847	453.00
LOCATION L0002786	VOLUME	477978.677	3748955.898	453.00

AERMOD LSTs Operational Output

LOCATION L0002787	VOLUME	477987.177	3748955.950	453.00
LOCATION L0002788	VOLUME	477995.676	3748956.001	453.00
LOCATION L0002789	VOLUME	478004.176	3748956.053	453.00
LOCATION L0002790	VOLUME	478012.676	3748956.104	453.00
LOCATION L0002791	VOLUME	478021.176	3748956.156	453.00
LOCATION L0002792	VOLUME	478029.676	3748956.208	453.00
LOCATION L0002793	VOLUME	478038.176	3748956.259	453.00
LOCATION L0002794	VOLUME	478046.675	3748956.311	453.00
LOCATION L0002795	VOLUME	478055.175	3748956.362	453.00
LOCATION L0002796	VOLUME	478063.675	3748956.414	453.00
LOCATION L0002797	VOLUME	478072.175	3748956.465	453.00
LOCATION L0002798	VOLUME	478080.675	3748956.517	453.00
LOCATION L0002799	VOLUME	478089.175	3748956.568	453.00
LOCATION L0002800	VOLUME	478097.675	3748956.620	453.00
LOCATION L0002801	VOLUME	478106.174	3748956.671	453.00
LOCATION L0002802	VOLUME	478114.674	3748956.723	453.00
LOCATION L0002803	VOLUME	478123.174	3748956.774	453.00
LOCATION L0002804	VOLUME	478131.674	3748956.826	453.00
LOCATION L0002805	VOLUME	478140.174	3748956.877	453.00
LOCATION L0002806	VOLUME	478148.674	3748956.929	453.00
LOCATION L0002807	VOLUME	478157.173	3748956.980	453.00
LOCATION L0002808	VOLUME	478165.673	3748957.032	453.00
LOCATION L0002809	VOLUME	478174.173	3748957.083	453.00
LOCATION L0002810	VOLUME	478182.673	3748957.135	453.00
LOCATION L0002811	VOLUME	478191.173	3748957.186	453.00
LOCATION L0002812	VOLUME	478199.673	3748957.238	453.00
LOCATION L0002813	VOLUME	478208.172	3748957.289	453.00
LOCATION L0002814	VOLUME	478216.672	3748957.341	453.00
LOCATION L0002815	VOLUME	478225.010	3748957.229	453.00
LOCATION L0002816	VOLUME	478225.010	3748948.729	453.00
LOCATION L0002817	VOLUME	478225.010	3748940.229	453.00
LOCATION L0002818	VOLUME	478225.010	3748931.729	453.00
LOCATION L0002819	VOLUME	478225.010	3748923.229	453.00

** End of LINE VOLUME Source ID = SLINE16

**

** Line Source Represented by Adjacent Volume Sources

** LINE VOLUME Source ID = SLINE12

** DESCRSRC PC On-Site Idling South of Building 1

** PREFIX

** Length of Side = 8.50

** Configuration = Adjacent

** Emission Rate = 0.00005774

** Vertical Dimension = 3.00

** SZINIT = 1.40

** Nodes = 3

** 478173.194, 3748323.551, 450.64, 0.00, 3.95

** 478236.637, 3748321.285, 450.51, 0.00, 3.95

** 478232.672, 3748396.624, 451.00, 0.00, 3.95

AERMOD LSTs Operational Output

```

** -----
LOCATION L0002820    VOLUME    478177.441 3748323.399 450.00
LOCATION L0002821    VOLUME    478185.936 3748323.096 450.00
LOCATION L0002822    VOLUME    478194.430 3748322.792 450.00
LOCATION L0002823    VOLUME    478202.925 3748322.489 450.00
LOCATION L0002824    VOLUME    478211.420 3748322.186 450.00
LOCATION L0002825    VOLUME    478219.914 3748321.882 450.00
LOCATION L0002826    VOLUME    478228.409 3748321.579 450.00
LOCATION L0002827    VOLUME    478236.623 3748321.551 450.00
LOCATION L0002828    VOLUME    478236.177 3748330.039 451.00
LOCATION L0002829    VOLUME    478235.730 3748338.527 451.00
LOCATION L0002830    VOLUME    478235.283 3748347.015 451.00
LOCATION L0002831    VOLUME    478234.836 3748355.504 451.00
LOCATION L0002832    VOLUME    478234.390 3748363.992 451.00
LOCATION L0002833    VOLUME    478233.943 3748372.480 451.00
LOCATION L0002834    VOLUME    478233.496 3748380.968 451.00
LOCATION L0002835    VOLUME    478233.049 3748389.457 451.00
** End of LINE VOLUME Source ID = SLINE12
** -----
** Line Source Represented by Adjacent Volume Sources
** LINE VOLUME Source ID = SLINE17
** DESCRSRC PC On-Site Travel South of Building 1
** PREFIX
** Length of Side = 8.50
** Configuration = Adjacent
** Emission Rate = 7.973E-06
** Vertical Dimension = 3.00
** SZINIT = 1.40
** Nodes = 3
** 478173.194, 3748323.551, 450.64, 0.00, 3.95
** 478236.637, 3748321.285, 450.51, 0.00, 3.95
** 478232.672, 3748396.624, 451.00, 0.00, 3.95
** -----
LOCATION L0002836    VOLUME    478177.441 3748323.399 450.00
LOCATION L0002837    VOLUME    478185.936 3748323.096 450.00
LOCATION L0002838    VOLUME    478194.430 3748322.792 450.00
LOCATION L0002839    VOLUME    478202.925 3748322.489 450.00
LOCATION L0002840    VOLUME    478211.420 3748322.186 450.00
LOCATION L0002841    VOLUME    478219.914 3748321.882 450.00
LOCATION L0002842    VOLUME    478228.409 3748321.579 450.00
LOCATION L0002843    VOLUME    478236.623 3748321.551 450.00
LOCATION L0002844    VOLUME    478236.177 3748330.039 451.00
LOCATION L0002845    VOLUME    478235.730 3748338.527 451.00
LOCATION L0002846    VOLUME    478235.283 3748347.015 451.00
LOCATION L0002847    VOLUME    478234.836 3748355.504 451.00
LOCATION L0002848    VOLUME    478234.390 3748363.992 451.00
LOCATION L0002849    VOLUME    478233.943 3748372.480 451.00
LOCATION L0002850    VOLUME    478233.496 3748380.968 451.00

```

AERMOD LSTs Operational Output

LOCATION L0002851 VOLUME 478233.049 3748389.457 451.00

** End of LINE VOLUME Source ID = SLINE17

** -----

** Line Source Represented by Adjacent Volume Sources

** LINE VOLUME Source ID = SLINE13

** DESCRSRC PC On-Site Idling Building 2

** PREFIX

** Length of Side = 8.50

** Configuration = Adjacent

** Emission Rate = 0.00005511

** Vertical Dimension = 3.00

** SZINIT = 1.40

** Nodes = 3

** 477739.701, 3748980.644, 454.00, 0.00, 3.95

** 477854.046, 3748981.626, 453.54, 0.00, 3.95

** 477852.573, 3748835.382, 453.00, 0.00, 3.95

** -----

LOCATION L0002852	VOLUME	477743.951	3748980.681	454.00
LOCATION L0002853	VOLUME	477752.450	3748980.754	454.00
LOCATION L0002854	VOLUME	477760.950	3748980.827	454.00
LOCATION L0002855	VOLUME	477769.450	3748980.900	454.00
LOCATION L0002856	VOLUME	477777.949	3748980.973	454.00
LOCATION L0002857	VOLUME	477786.449	3748981.046	454.00
LOCATION L0002858	VOLUME	477794.949	3748981.119	454.00
LOCATION L0002859	VOLUME	477803.448	3748981.192	454.00
LOCATION L0002860	VOLUME	477811.948	3748981.264	454.00
LOCATION L0002861	VOLUME	477820.448	3748981.337	453.99
LOCATION L0002862	VOLUME	477828.947	3748981.410	453.85
LOCATION L0002863	VOLUME	477837.447	3748981.483	453.70
LOCATION L0002864	VOLUME	477845.947	3748981.556	453.56
LOCATION L0002865	VOLUME	477854.042	3748981.225	453.49
LOCATION L0002866	VOLUME	477853.956	3748972.725	453.21
LOCATION L0002867	VOLUME	477853.871	3748964.226	453.00
LOCATION L0002868	VOLUME	477853.785	3748955.726	453.00
LOCATION L0002869	VOLUME	477853.699	3748947.227	453.00
LOCATION L0002870	VOLUME	477853.614	3748938.727	453.00
LOCATION L0002871	VOLUME	477853.528	3748930.228	453.00
LOCATION L0002872	VOLUME	477853.443	3748921.728	453.00
LOCATION L0002873	VOLUME	477853.357	3748913.228	453.00
LOCATION L0002874	VOLUME	477853.272	3748904.729	453.00
LOCATION L0002875	VOLUME	477853.186	3748896.229	453.00
LOCATION L0002876	VOLUME	477853.100	3748887.730	453.00
LOCATION L0002877	VOLUME	477853.015	3748879.230	453.00
LOCATION L0002878	VOLUME	477852.929	3748870.731	453.00
LOCATION L0002879	VOLUME	477852.844	3748862.231	453.00
LOCATION L0002880	VOLUME	477852.758	3748853.732	453.00
LOCATION L0002881	VOLUME	477852.673	3748845.232	453.00
LOCATION L0002882	VOLUME	477852.587	3748836.732	453.00

AERMOD LSTs Operational Output

** End of LINE VOLUME Source ID = SLINE13

** -----

** Line Source Represented by Adjacent Volume Sources

** LINE VOLUME Source ID = SLINE18

** DESCRSRC PC On-Site Travel Building 2

** PREFIX

** Length of Side = 8.50

** Configuration = Adjacent

** Emission Rate = 0.00001428

** Vertical Dimension = 3.00

** SZINIT = 1.40

** Nodes = 3

** 477739.701, 3748980.644, 454.00, 0.00, 3.95

** 477854.046, 3748981.626, 453.54, 0.00, 3.95

** 477852.573, 3748835.382, 453.00, 0.00, 3.95

** -----

LOCATION	L0002883	VOLUME	477743.951	3748980.681	454.00
LOCATION	L0002884	VOLUME	477752.450	3748980.754	454.00
LOCATION	L0002885	VOLUME	477760.950	3748980.827	454.00
LOCATION	L0002886	VOLUME	477769.450	3748980.900	454.00
LOCATION	L0002887	VOLUME	477777.949	3748980.973	454.00
LOCATION	L0002888	VOLUME	477786.449	3748981.046	454.00
LOCATION	L0002889	VOLUME	477794.949	3748981.119	454.00
LOCATION	L0002890	VOLUME	477803.448	3748981.192	454.00
LOCATION	L0002891	VOLUME	477811.948	3748981.264	454.00
LOCATION	L0002892	VOLUME	477820.448	3748981.337	453.99
LOCATION	L0002893	VOLUME	477828.947	3748981.410	453.85
LOCATION	L0002894	VOLUME	477837.447	3748981.483	453.70
LOCATION	L0002895	VOLUME	477845.947	3748981.556	453.56
LOCATION	L0002896	VOLUME	477854.042	3748981.225	453.49
LOCATION	L0002897	VOLUME	477853.956	3748972.725	453.21
LOCATION	L0002898	VOLUME	477853.871	3748964.226	453.00
LOCATION	L0002899	VOLUME	477853.785	3748955.726	453.00
LOCATION	L0002900	VOLUME	477853.699	3748947.227	453.00
LOCATION	L0002901	VOLUME	477853.614	3748938.727	453.00
LOCATION	L0002902	VOLUME	477853.528	3748930.228	453.00
LOCATION	L0002903	VOLUME	477853.443	3748921.728	453.00
LOCATION	L0002904	VOLUME	477853.357	3748913.228	453.00
LOCATION	L0002905	VOLUME	477853.272	3748904.729	453.00
LOCATION	L0002906	VOLUME	477853.186	3748896.229	453.00
LOCATION	L0002907	VOLUME	477853.100	3748887.730	453.00
LOCATION	L0002908	VOLUME	477853.015	3748879.230	453.00
LOCATION	L0002909	VOLUME	477852.929	3748870.731	453.00
LOCATION	L0002910	VOLUME	477852.844	3748862.231	453.00
LOCATION	L0002911	VOLUME	477852.758	3748853.732	453.00
LOCATION	L0002912	VOLUME	477852.673	3748845.232	453.00
LOCATION	L0002913	VOLUME	477852.587	3748836.732	453.00

** End of LINE VOLUME Source ID = SLINE18

AERMOD LSTs Operational Output

```

** -----
** Line Source Represented by Adjacent Volume Sources
** LINE VOLUME Source ID = SLINE14
** DESCRSRC PC On-Site Idling Building 3
** PREFIX
** Length of Side = 8.50
** Configuration = Adjacent
** Emission Rate = 0.00004378
** Vertical Dimension = 3.00
** SZINIT = 1.40
** Nodes = 2
** 477930.162, 3748197.793, 450.00, 0.00, 3.95
** 477994.466, 3748197.281, 450.00, 0.00, 3.95
** -----
LOCATION L0002914    VOLUME    477934.412  3748197.759  450.00
LOCATION L0002915    VOLUME    477942.912  3748197.691  450.00
LOCATION L0002916    VOLUME    477951.412  3748197.624  450.00
LOCATION L0002917    VOLUME    477959.911  3748197.556  450.00
LOCATION L0002918    VOLUME    477968.411  3748197.488  450.00
LOCATION L0002919    VOLUME    477976.911  3748197.420  450.00
LOCATION L0002920    VOLUME    477985.410  3748197.353  450.00
LOCATION L0002921    VOLUME    477993.910  3748197.285  450.00
** End of LINE VOLUME Source ID = SLINE14
** -----
** Line Source Represented by Adjacent Volume Sources
** LINE VOLUME Source ID = SLINE19
** DESCRSRC PC On-Site Travel Building 3
** PREFIX
** Length of Side = 8.50
** Configuration = Adjacent
** Emission Rate = 2.798E-06
** Vertical Dimension = 3.00
** SZINIT = 1.40
** Nodes = 2
** 477930.162, 3748197.793, 450.00, 0.00, 3.95
** 477994.466, 3748197.281, 450.00, 0.00, 3.95
** -----
LOCATION L0002922    VOLUME    477934.412  3748197.759  450.00
LOCATION L0002923    VOLUME    477942.912  3748197.691  450.00
LOCATION L0002924    VOLUME    477951.412  3748197.624  450.00
LOCATION L0002925    VOLUME    477959.911  3748197.556  450.00
LOCATION L0002926    VOLUME    477968.411  3748197.488  450.00
LOCATION L0002927    VOLUME    477976.911  3748197.420  450.00
LOCATION L0002928    VOLUME    477985.410  3748197.353  450.00
LOCATION L0002929    VOLUME    477993.910  3748197.285  450.00
** End of LINE VOLUME Source ID = SLINE19
** -----
** Line Source Represented by Adjacent Volume Sources

```

AERMOD LSTs Operational Output

** LINE VOLUME Source ID = SLINE15
 ** DESCRSRC PC On-Site Idling Building 4
 ** PREFIX
 ** Length of Side = 8.50
 ** Configuration = Adjacent
 ** Emission Rate = 0.00007466
 ** Vertical Dimension = 3.00
 ** SZINIT = 1.40
 ** Nodes = 2
 ** 477495.204, 3748976.528, 454.06, 0.00, 3.95
 ** 477601.235, 3748974.046, 454.00, 0.00, 3.95

** -----
 LOCATION L0002930 VOLUME 477499.453 3748976.429 454.22
 LOCATION L0002931 VOLUME 477507.950 3748976.230 454.13
 LOCATION L0002932 VOLUME 477516.448 3748976.031 454.04
 LOCATION L0002933 VOLUME 477524.946 3748975.832 454.00
 LOCATION L0002934 VOLUME 477533.443 3748975.633 454.00
 LOCATION L0002935 VOLUME 477541.941 3748975.434 454.00
 LOCATION L0002936 VOLUME 477550.439 3748975.235 454.00
 LOCATION L0002937 VOLUME 477558.936 3748975.036 454.00
 LOCATION L0002938 VOLUME 477567.434 3748974.837 454.00
 LOCATION L0002939 VOLUME 477575.932 3748974.638 454.00
 LOCATION L0002940 VOLUME 477584.429 3748974.439 454.00
 LOCATION L0002941 VOLUME 477592.927 3748974.241 454.00
 ** End of LINE VOLUME Source ID = SLINE15

** -----
 ** Line Source Represented by Adjacent Volume Sources
 ** LINE VOLUME Source ID = SLINE20
 ** DESCRSRC PC On-Site Travel Building 4
 ** PREFIX
 ** Length of Side = 8.50
 ** Configuration = Adjacent
 ** Emission Rate = 7.875E-06
 ** Vertical Dimension = 3.00
 ** SZINIT = 1.40
 ** Nodes = 2
 ** 477495.204, 3748976.528, 454.06, 0.00, 3.95
 ** 477601.235, 3748974.046, 454.00, 0.00, 3.95

** -----
 LOCATION L0002942 VOLUME 477499.453 3748976.429 454.22
 LOCATION L0002943 VOLUME 477507.950 3748976.230 454.13
 LOCATION L0002944 VOLUME 477516.448 3748976.031 454.04
 LOCATION L0002945 VOLUME 477524.946 3748975.832 454.00
 LOCATION L0002946 VOLUME 477533.443 3748975.633 454.00
 LOCATION L0002947 VOLUME 477541.941 3748975.434 454.00
 LOCATION L0002948 VOLUME 477550.439 3748975.235 454.00
 LOCATION L0002949 VOLUME 477558.936 3748975.036 454.00
 LOCATION L0002950 VOLUME 477567.434 3748974.837 454.00

AERMOD LSTs Operational Output

LOCATION L0002951	VOLUME	477575.932	3748974.638	454.00
LOCATION L0002952	VOLUME	477584.429	3748974.439	454.00
LOCATION L0002953	VOLUME	477592.927	3748974.241	454.00

** End of LINE VOLUME Source ID = SLINE20

** Source Parameters **

** LINE VOLUME Source ID = SLINE1

SRCPARAM L0002317	0.000007765	4.00	13.95	1.86
SRCPARAM L0002318	0.000007765	4.00	13.95	1.86
SRCPARAM L0002319	0.000007765	4.00	13.95	1.86
SRCPARAM L0002320	0.000007765	4.00	13.95	1.86
SRCPARAM L0002321	0.000007765	4.00	13.95	1.86
SRCPARAM L0002322	0.000007765	4.00	13.95	1.86
SRCPARAM L0002323	0.000007765	4.00	13.95	1.86
SRCPARAM L0002324	0.000007765	4.00	13.95	1.86
SRCPARAM L0002325	0.000007765	4.00	13.95	1.86
SRCPARAM L0002326	0.000007765	4.00	13.95	1.86
SRCPARAM L0002327	0.000007765	4.00	13.95	1.86
SRCPARAM L0002328	0.000007765	4.00	13.95	1.86
SRCPARAM L0002329	0.000007765	4.00	13.95	1.86
SRCPARAM L0002330	0.000007765	4.00	13.95	1.86
SRCPARAM L0002331	0.000007765	4.00	13.95	1.86
SRCPARAM L0002332	0.000007765	4.00	13.95	1.86
SRCPARAM L0002333	0.000007765	4.00	13.95	1.86

** -----

** LINE VOLUME Source ID = SLINE3

SRCPARAM L0002334	0.00000805	4.00	13.95	1.86
SRCPARAM L0002335	0.00000805	4.00	13.95	1.86
SRCPARAM L0002336	0.00000805	4.00	13.95	1.86
SRCPARAM L0002337	0.00000805	4.00	13.95	1.86
SRCPARAM L0002338	0.00000805	4.00	13.95	1.86
SRCPARAM L0002339	0.00000805	4.00	13.95	1.86
SRCPARAM L0002340	0.00000805	4.00	13.95	1.86
SRCPARAM L0002341	0.00000805	4.00	13.95	1.86
SRCPARAM L0002342	0.00000805	4.00	13.95	1.86
SRCPARAM L0002343	0.00000805	4.00	13.95	1.86
SRCPARAM L0002344	0.00000805	4.00	13.95	1.86
SRCPARAM L0002345	0.00000805	4.00	13.95	1.86
SRCPARAM L0002346	0.00000805	4.00	13.95	1.86
SRCPARAM L0002347	0.00000805	4.00	13.95	1.86

** -----

** LINE VOLUME Source ID = SLINE4

SRCPARAM L0002348	0.000007424	4.00	3.95	1.86
SRCPARAM L0002349	0.000007424	4.00	3.95	1.86
SRCPARAM L0002350	0.000007424	4.00	3.95	1.86
SRCPARAM L0002351	0.000007424	4.00	3.95	1.86
SRCPARAM L0002352	0.000007424	4.00	3.95	1.86
SRCPARAM L0002353	0.000007424	4.00	3.95	1.86
SRCPARAM L0002354	0.000007424	4.00	3.95	1.86

AERMOD LSTs Operational Output

SRCPARAM	L0002355	0.000007424	4.00	3.95	1.86

** -----

** LINE VOLUME Source ID = SLINE5

SRCPARAM	L0002356	0.000002241	4.00	3.95	1.86
SRCPARAM	L0002357	0.000002241	4.00	3.95	1.86
SRCPARAM	L0002358	0.000002241	4.00	3.95	1.86
SRCPARAM	L0002359	0.000002241	4.00	3.95	1.86
SRCPARAM	L0002360	0.000002241	4.00	3.95	1.86
SRCPARAM	L0002361	0.000002241	4.00	3.95	1.86
SRCPARAM	L0002362	0.000002241	4.00	3.95	1.86
SRCPARAM	L0002363	0.000002241	4.00	3.95	1.86
SRCPARAM	L0002364	0.000002241	4.00	3.95	1.86
SRCPARAM	L0002365	0.000002241	4.00	3.95	1.86
SRCPARAM	L0002366	0.000002241	4.00	3.95	1.86
SRCPARAM	L0002367	0.000002241	4.00	3.95	1.86
SRCPARAM	L0002368	0.000002241	4.00	3.95	1.86
SRCPARAM	L0002369	0.000002241	4.00	3.95	1.86
SRCPARAM	L0002370	0.000002241	4.00	3.95	1.86
SRCPARAM	L0002371	0.000002241	4.00	3.95	1.86
SRCPARAM	L0002372	0.000002241	4.00	3.95	1.86
SRCPARAM	L0002373	0.000002241	4.00	3.95	1.86
SRCPARAM	L0002374	0.000002241	4.00	3.95	1.86
SRCPARAM	L0002375	0.000002241	4.00	3.95	1.86
SRCPARAM	L0002376	0.000002241	4.00	3.95	1.86

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** LINE VOLUME Source ID = SLINE6

SRCPARAM	L0002377	0.000005366	0.00	3.95	1.86
SRCPARAM	L0002378	0.000005366	0.00	3.95	1.86
SRCPARAM	L0002379	0.000005366	0.00	3.95	1.86
SRCPARAM	L0002380	0.000005366	0.00	3.95	1.86
SRCPARAM	L0002381	0.000005366	0.00	3.95	1.86
SRCPARAM	L0002382	0.000005366	0.00	3.95	1.86
SRCPARAM	L0002383	0.000005366	0.00	3.95	1.86
SRCPARAM	L0002384	0.000005366	0.00	3.95	1.86
SRCPARAM	L0002385	0.000005366	0.00	3.95	1.86
SRCPARAM	L0002386	0.000005366	0.00	3.95	1.86
SRCPARAM	L0002387	0.000005366	0.00	3.95	1.86
SRCPARAM	L0002388	0.000005366	0.00	3.95	1.86
SRCPARAM	L0002389	0.000005366	0.00	3.95	1.86
SRCPARAM	L0002390	0.000005366	0.00	3.95	1.86
SRCPARAM	L0002391	0.000005366	0.00	3.95	1.86

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** LINE VOLUME Source ID = SLINE2

SRCPARAM	L0002392	0.000007268	0.00	13.95	1.86
SRCPARAM	L0002393	0.000007268	0.00	13.95	1.86
SRCPARAM	L0002394	0.000007268	0.00	13.95	1.86
SRCPARAM	L0002395	0.000007268	0.00	13.95	1.86
SRCPARAM	L0002396	0.000007268	0.00	13.95	1.86

AERMOD LSTs Operational Output

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** LINE VOLUME Source ID = SLINE7

SRCPARAM	L0002397	0.000009223	4.00	3.95	1.86
SRCPARAM	L0002398	0.000009223	4.00	3.95	1.86
SRCPARAM	L0002399	0.000009223	4.00	3.95	1.86
SRCPARAM	L0002400	0.000009223	4.00	3.95	1.86
SRCPARAM	L0002401	0.000009223	4.00	3.95	1.86
SRCPARAM	L0002402	0.000009223	4.00	3.95	1.86
SRCPARAM	L0002403	0.000009223	4.00	3.95	1.86
SRCPARAM	L0002404	0.000009223	4.00	3.95	1.86
SRCPARAM	L0002405	0.000009223	4.00	3.95	1.86
SRCPARAM	L0002406	0.000009223	4.00	3.95	1.86
SRCPARAM	L0002407	0.000009223	4.00	3.95	1.86
SRCPARAM	L0002408	0.000009223	4.00	3.95	1.86
SRCPARAM	L0002409	0.000009223	4.00	3.95	1.86
SRCPARAM	L0002410	0.000009223	4.00	3.95	1.86
SRCPARAM	L0002411	0.000009223	4.00	3.95	1.86
SRCPARAM	L0002412	0.000009223	4.00	3.95	1.86
SRCPARAM	L0002413	0.000009223	4.00	3.95	1.86
SRCPARAM	L0002414	0.000009223	4.00	3.95	1.86
SRCPARAM	L0002415	0.000009223	4.00	3.95	1.86
SRCPARAM	L0002416	0.000009223	4.00	3.95	1.86
SRCPARAM	L0002417	0.000009223	4.00	3.95	1.86
SRCPARAM	L0002418	0.000009223	4.00	3.95	1.86
SRCPARAM	L0002419	0.000009223	4.00	3.95	1.86
SRCPARAM	L0002420	0.000009223	4.00	3.95	1.86
SRCPARAM	L0002421	0.000009223	4.00	3.95	1.86
SRCPARAM	L0002422	0.000009223	4.00	3.95	1.86
SRCPARAM	L0002423	0.000009223	4.00	3.95	1.86
SRCPARAM	L0002424	0.000009223	4.00	3.95	1.86
SRCPARAM	L0002425	0.000009223	4.00	3.95	1.86
SRCPARAM	L0002426	0.000009223	4.00	3.95	1.86
SRCPARAM	L0002427	0.000009223	4.00	3.95	1.86
SRCPARAM	L0002428	0.000009223	4.00	3.95	1.86
SRCPARAM	L0002429	0.000009223	4.00	3.95	1.86
SRCPARAM	L0002430	0.000009223	4.00	3.95	1.86
SRCPARAM	L0002431	0.000009223	4.00	3.95	1.86
SRCPARAM	L0002432	0.000009223	4.00	3.95	1.86
SRCPARAM	L0002433	0.000009223	4.00	3.95	1.86
SRCPARAM	L0002434	0.000009223	4.00	3.95	1.86
SRCPARAM	L0002435	0.000009223	4.00	3.95	1.86
SRCPARAM	L0002436	0.000009223	4.00	3.95	1.86
SRCPARAM	L0002437	0.000009223	4.00	3.95	1.86
SRCPARAM	L0002438	0.000009223	4.00	3.95	1.86
SRCPARAM	L0002439	0.000009223	4.00	3.95	1.86
SRCPARAM	L0002440	0.000009223	4.00	3.95	1.86
SRCPARAM	L0002441	0.000009223	4.00	3.95	1.86
SRCPARAM	L0002442	0.000009223	4.00	3.95	1.86

AERMOD LSTs Operational Output

SRCPARAM L0002443	0.000009223	4.00	3.95	1.86
SRCPARAM L0002444	0.000009223	4.00	3.95	1.86
SRCPARAM L0002445	0.000009223	4.00	3.95	1.86
SRCPARAM L0002446	0.000009223	4.00	3.95	1.86
SRCPARAM L0002447	0.000009223	4.00	3.95	1.86
SRCPARAM L0002448	0.000009223	4.00	3.95	1.86
SRCPARAM L0002449	0.000009223	4.00	3.95	1.86
SRCPARAM L0002450	0.000009223	4.00	3.95	1.86
SRCPARAM L0002451	0.000009223	4.00	3.95	1.86
SRCPARAM L0002452	0.000009223	4.00	3.95	1.86
SRCPARAM L0002453	0.000009223	4.00	3.95	1.86
SRCPARAM L0002454	0.000009223	4.00	3.95	1.86
SRCPARAM L0002455	0.000009223	4.00	3.95	1.86
SRCPARAM L0002456	0.000009223	4.00	3.95	1.86
SRCPARAM L0002457	0.000009223	4.00	3.95	1.86
SRCPARAM L0002458	0.000009223	4.00	3.95	1.86
SRCPARAM L0002459	0.000009223	4.00	3.95	1.86
SRCPARAM L0002460	0.000009223	4.00	3.95	1.86
SRCPARAM L0002461	0.000009223	4.00	3.95	1.86
SRCPARAM L0002462	0.000009223	4.00	3.95	1.86
SRCPARAM L0002463	0.000009223	4.00	3.95	1.86
SRCPARAM L0002464	0.000009223	4.00	3.95	1.86
SRCPARAM L0002465	0.000009223	4.00	3.95	1.86
SRCPARAM L0002466	0.000009223	4.00	3.95	1.86
SRCPARAM L0002467	0.000009223	4.00	3.95	1.86
SRCPARAM L0002468	0.000009223	4.00	3.95	1.86
SRCPARAM L0002469	0.000009223	4.00	3.95	1.86
SRCPARAM L0002470	0.000009223	4.00	3.95	1.86
SRCPARAM L0002471	0.000009223	4.00	3.95	1.86
SRCPARAM L0002472	0.000009223	4.00	3.95	1.86
SRCPARAM L0002473	0.000009223	4.00	3.95	1.86
SRCPARAM L0002474	0.000009223	4.00	3.95	1.86
SRCPARAM L0002475	0.000009223	4.00	3.95	1.86
SRCPARAM L0002476	0.000009223	4.00	3.95	1.86
SRCPARAM L0002477	0.000009223	4.00	3.95	1.86
SRCPARAM L0002478	0.000009223	4.00	3.95	1.86
SRCPARAM L0002479	0.000009223	4.00	3.95	1.86
SRCPARAM L0002480	0.000009223	4.00	3.95	1.86
SRCPARAM L0002481	0.000009223	4.00	3.95	1.86
SRCPARAM L0002482	0.000009223	4.00	3.95	1.86
SRCPARAM L0002483	0.000009223	4.00	3.95	1.86
SRCPARAM L0002484	0.000009223	4.00	3.95	1.86
SRCPARAM L0002485	0.000009223	4.00	3.95	1.86
SRCPARAM L0002486	0.000009223	4.00	3.95	1.86
SRCPARAM L0002487	0.000009223	4.00	3.95	1.86
SRCPARAM L0002488	0.000009223	4.00	3.95	1.86
SRCPARAM L0002489	0.000009223	4.00	3.95	1.86
SRCPARAM L0002490	0.000009223	4.00	3.95	1.86

AERMOD LSTs Operational Output

SRCPARAM	L0002491	0.000009223	4.00	3.95	1.86
SRCPARAM	L0002492	0.000009223	4.00	3.95	1.86
SRCPARAM	L0002493	0.000009223	4.00	3.95	1.86
SRCPARAM	L0002494	0.000009223	4.00	3.95	1.86
SRCPARAM	L0002495	0.000009223	4.00	3.95	1.86
SRCPARAM	L0002496	0.000009223	4.00	3.95	1.86
SRCPARAM	L0002497	0.000009223	4.00	3.95	1.86
SRCPARAM	L0002498	0.000009223	4.00	3.95	1.86
SRCPARAM	L0002499	0.000009223	4.00	3.95	1.86
SRCPARAM	L0002500	0.000009223	4.00	3.95	1.86
SRCPARAM	L0002501	0.000009223	4.00	3.95	1.86
SRCPARAM	L0002502	0.000009223	4.00	3.95	1.86
SRCPARAM	L0002503	0.000009223	4.00	3.95	1.86
SRCPARAM	L0002504	0.000009223	4.00	3.95	1.86
SRCPARAM	L0002505	0.000009223	4.00	3.95	1.86
SRCPARAM	L0002506	0.000009223	4.00	3.95	1.86
SRCPARAM	L0002507	0.000009223	4.00	3.95	1.86
SRCPARAM	L0002508	0.000009223	4.00	3.95	1.86
SRCPARAM	L0002509	0.000009223	4.00	3.95	1.86
SRCPARAM	L0002510	0.000009223	4.00	3.95	1.86
SRCPARAM	L0002511	0.000009223	4.00	3.95	1.86
SRCPARAM	L0002512	0.000009223	4.00	3.95	1.86
SRCPARAM	L0002513	0.000009223	4.00	3.95	1.86
SRCPARAM	L0002514	0.000009223	4.00	3.95	1.86
SRCPARAM	L0002515	0.000009223	4.00	3.95	1.86
SRCPARAM	L0002516	0.000009223	4.00	3.95	1.86
SRCPARAM	L0002517	0.000009223	4.00	3.95	1.86
SRCPARAM	L0002518	0.000009223	4.00	3.95	1.86
SRCPARAM	L0002519	0.000009223	4.00	3.95	1.86
SRCPARAM	L0002520	0.000009223	4.00	3.95	1.86
SRCPARAM	L0002521	0.000009223	4.00	3.95	1.86
SRCPARAM	L0002522	0.000009223	4.00	3.95	1.86
SRCPARAM	L0002523	0.000009223	4.00	3.95	1.86
SRCPARAM	L0002524	0.000009223	4.00	3.95	1.86
SRCPARAM	L0002525	0.000009223	4.00	3.95	1.86
SRCPARAM	L0002526	0.000009223	4.00	3.95	1.86
SRCPARAM	L0002527	0.000009223	4.00	3.95	1.86
SRCPARAM	L0002528	0.000009223	4.00	3.95	1.86
SRCPARAM	L0002529	0.000009223	4.00	3.95	1.86
SRCPARAM	L0002530	0.000009223	4.00	3.95	1.86
SRCPARAM	L0002531	0.000009223	4.00	3.95	1.86
SRCPARAM	L0002532	0.000009223	4.00	3.95	1.86
SRCPARAM	L0002533	0.000009223	4.00	3.95	1.86
SRCPARAM	L0002534	0.000009223	4.00	3.95	1.86
SRCPARAM	L0002535	0.000009223	4.00	3.95	1.86
SRCPARAM	L0002536	0.000009223	4.00	3.95	1.86
SRCPARAM	L0002537	0.000009223	4.00	3.95	1.86
SRCPARAM	L0002538	0.000009223	4.00	3.95	1.86

AERMOD LSTs Operational Output

SRCPARAM	L0002539	0.000009223	4.00	3.95	1.86
SRCPARAM	L0002540	0.000009223	4.00	3.95	1.86
SRCPARAM	L0002541	0.000009223	4.00	3.95	1.86
SRCPARAM	L0002542	0.000009223	4.00	3.95	1.86
SRCPARAM	L0002543	0.000009223	4.00	3.95	1.86
SRCPARAM	L0002544	0.000009223	4.00	3.95	1.86
SRCPARAM	L0002545	0.000009223	4.00	3.95	1.86
SRCPARAM	L0002546	0.000009223	4.00	3.95	1.86
SRCPARAM	L0002547	0.000009223	4.00	3.95	1.86
SRCPARAM	L0002548	0.000009223	4.00	3.95	1.86
SRCPARAM	L0002549	0.000009223	4.00	3.95	1.86
SRCPARAM	L0002550	0.000009223	4.00	3.95	1.86
SRCPARAM	L0002551	0.000009223	4.00	3.95	1.86
SRCPARAM	L0002552	0.000009223	4.00	3.95	1.86
SRCPARAM	L0002553	0.000009223	4.00	3.95	1.86
SRCPARAM	L0002554	0.000009223	4.00	3.95	1.86
SRCPARAM	L0002555	0.000009223	4.00	3.95	1.86
SRCPARAM	L0002556	0.000009223	4.00	3.95	1.86
SRCPARAM	L0002557	0.000009223	4.00	3.95	1.86
SRCPARAM	L0002558	0.000009223	4.00	3.95	1.86
SRCPARAM	L0002559	0.000009223	4.00	3.95	1.86
SRCPARAM	L0002560	0.000009223	4.00	3.95	1.86
SRCPARAM	L0002561	0.000009223	4.00	3.95	1.86
SRCPARAM	L0002562	0.000009223	4.00	3.95	1.86
SRCPARAM	L0002563	0.000009223	4.00	3.95	1.86
SRCPARAM	L0002564	0.000009223	4.00	3.95	1.86
SRCPARAM	L0002565	0.000009223	4.00	3.95	1.86
SRCPARAM	L0002566	0.000009223	4.00	3.95	1.86
SRCPARAM	L0002567	0.000009223	4.00	3.95	1.86
SRCPARAM	L0002568	0.000009223	4.00	3.95	1.86
SRCPARAM	L0002569	0.000009223	4.00	3.95	1.86
SRCPARAM	L0002570	0.000009223	4.00	3.95	1.86
SRCPARAM	L0002571	0.000009223	4.00	3.95	1.86

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** LINE VOLUME Source ID = SLINE8

SRCPARAM	L0002572	0.000001964	4.00	3.95	1.86
SRCPARAM	L0002573	0.000001964	4.00	3.95	1.86
SRCPARAM	L0002574	0.000001964	4.00	3.95	1.86
SRCPARAM	L0002575	0.000001964	4.00	3.95	1.86
SRCPARAM	L0002576	0.000001964	4.00	3.95	1.86
SRCPARAM	L0002577	0.000001964	4.00	3.95	1.86
SRCPARAM	L0002578	0.000001964	4.00	3.95	1.86
SRCPARAM	L0002579	0.000001964	4.00	3.95	1.86
SRCPARAM	L0002580	0.000001964	4.00	3.95	1.86
SRCPARAM	L0002581	0.000001964	4.00	3.95	1.86
SRCPARAM	L0002582	0.000001964	4.00	3.95	1.86
SRCPARAM	L0002583	0.000001964	4.00	3.95	1.86
SRCPARAM	L0002584	0.000001964	4.00	3.95	1.86

AERMOD LSTs Operational Output

SRCPARAM	L0002585	0.000001964	4.00	3.95	1.86
SRCPARAM	L0002586	0.000001964	4.00	3.95	1.86
SRCPARAM	L0002587	0.000001964	4.00	3.95	1.86
SRCPARAM	L0002588	0.000001964	4.00	3.95	1.86
SRCPARAM	L0002589	0.000001964	4.00	3.95	1.86
SRCPARAM	L0002590	0.000001964	4.00	3.95	1.86
SRCPARAM	L0002591	0.000001964	4.00	3.95	1.86
SRCPARAM	L0002592	0.000001964	4.00	3.95	1.86
SRCPARAM	L0002593	0.000001964	4.00	3.95	1.86
SRCPARAM	L0002594	0.000001964	4.00	3.95	1.86
SRCPARAM	L0002595	0.000001964	4.00	3.95	1.86
SRCPARAM	L0002596	0.000001964	4.00	3.95	1.86
SRCPARAM	L0002597	0.000001964	4.00	3.95	1.86
SRCPARAM	L0002598	0.000001964	4.00	3.95	1.86
SRCPARAM	L0002599	0.000001964	4.00	3.95	1.86
SRCPARAM	L0002600	0.000001964	4.00	3.95	1.86
SRCPARAM	L0002601	0.000001964	4.00	3.95	1.86
SRCPARAM	L0002602	0.000001964	4.00	3.95	1.86
SRCPARAM	L0002603	0.000001964	4.00	3.95	1.86
SRCPARAM	L0002604	0.000001964	4.00	3.95	1.86
SRCPARAM	L0002605	0.000001964	4.00	3.95	1.86
SRCPARAM	L0002606	0.000001964	4.00	3.95	1.86
SRCPARAM	L0002607	0.000001964	4.00	3.95	1.86
SRCPARAM	L0002608	0.000001964	4.00	3.95	1.86
SRCPARAM	L0002609	0.000001964	4.00	3.95	1.86
SRCPARAM	L0002610	0.000001964	4.00	3.95	1.86
SRCPARAM	L0002611	0.000001964	4.00	3.95	1.86
SRCPARAM	L0002612	0.000001964	4.00	3.95	1.86
SRCPARAM	L0002613	0.000001964	4.00	3.95	1.86
SRCPARAM	L0002614	0.000001964	4.00	3.95	1.86
SRCPARAM	L0002615	0.000001964	4.00	3.95	1.86
SRCPARAM	L0002616	0.000001964	4.00	3.95	1.86
SRCPARAM	L0002617	0.000001964	4.00	3.95	1.86
SRCPARAM	L0002618	0.000001964	4.00	3.95	1.86
SRCPARAM	L0002619	0.000001964	4.00	3.95	1.86
SRCPARAM	L0002620	0.000001964	4.00	3.95	1.86
SRCPARAM	L0002621	0.000001964	4.00	3.95	1.86
SRCPARAM	L0002622	0.000001964	4.00	3.95	1.86
SRCPARAM	L0002623	0.000001964	4.00	3.95	1.86
SRCPARAM	L0002624	0.000001964	4.00	3.95	1.86
SRCPARAM	L0002625	0.000001964	4.00	3.95	1.86
SRCPARAM	L0002626	0.000001964	4.00	3.95	1.86
SRCPARAM	L0002627	0.000001964	4.00	3.95	1.86
SRCPARAM	L0002628	0.000001964	4.00	3.95	1.86
SRCPARAM	L0002629	0.000001964	4.00	3.95	1.86
SRCPARAM	L0002630	0.000001964	4.00	3.95	1.86

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** LINE VOLUME Source ID = SLINE9

AERMOD LSTs Operational Output

SRCPARAM L0002631	0.000001547	4.00	3.95	1.86
SRCPARAM L0002632	0.000001547	4.00	3.95	1.86
SRCPARAM L0002633	0.000001547	4.00	3.95	1.86
SRCPARAM L0002634	0.000001547	4.00	3.95	1.86
SRCPARAM L0002635	0.000001547	4.00	3.95	1.86
SRCPARAM L0002636	0.000001547	4.00	3.95	1.86
SRCPARAM L0002637	0.000001547	4.00	3.95	1.86
SRCPARAM L0002638	0.000001547	4.00	3.95	1.86
SRCPARAM L0002639	0.000001547	4.00	3.95	1.86
SRCPARAM L0002640	0.000001547	4.00	3.95	1.86
SRCPARAM L0002641	0.000001547	4.00	3.95	1.86
SRCPARAM L0002642	0.000001547	4.00	3.95	1.86
SRCPARAM L0002643	0.000001547	4.00	3.95	1.86
SRCPARAM L0002644	0.000001547	4.00	3.95	1.86
SRCPARAM L0002645	0.000001547	4.00	3.95	1.86
SRCPARAM L0002646	0.000001547	4.00	3.95	1.86
SRCPARAM L0002647	0.000001547	4.00	3.95	1.86
SRCPARAM L0002648	0.000001547	4.00	3.95	1.86
SRCPARAM L0002649	0.000001547	4.00	3.95	1.86
SRCPARAM L0002650	0.000001547	4.00	3.95	1.86
SRCPARAM L0002651	0.000001547	4.00	3.95	1.86
SRCPARAM L0002652	0.000001547	4.00	3.95	1.86
SRCPARAM L0002653	0.000001547	4.00	3.95	1.86
SRCPARAM L0002654	0.000001547	4.00	3.95	1.86
SRCPARAM L0002655	0.000001547	4.00	3.95	1.86
SRCPARAM L0002656	0.000001547	4.00	3.95	1.86
SRCPARAM L0002657	0.000001547	4.00	3.95	1.86
SRCPARAM L0002658	0.000001547	4.00	3.95	1.86
SRCPARAM L0002659	0.000001547	4.00	3.95	1.86
SRCPARAM L0002660	0.000001547	4.00	3.95	1.86
SRCPARAM L0002661	0.000001547	4.00	3.95	1.86
SRCPARAM L0002662	0.000001547	4.00	3.95	1.86
SRCPARAM L0002663	0.000001547	4.00	3.95	1.86
SRCPARAM L0002664	0.000001547	4.00	3.95	1.86
SRCPARAM L0002665	0.000001547	4.00	3.95	1.86
SRCPARAM L0002666	0.000001547	4.00	3.95	1.86
SRCPARAM L0002667	0.000001547	4.00	3.95	1.86
SRCPARAM L0002668	0.000001547	4.00	3.95	1.86
SRCPARAM L0002669	0.000001547	4.00	3.95	1.86
SRCPARAM L0002670	0.000001547	4.00	3.95	1.86
SRCPARAM L0002671	0.000001547	4.00	3.95	1.86
SRCPARAM L0002672	0.000001547	4.00	3.95	1.86
SRCPARAM L0002673	0.000001547	4.00	3.95	1.86
SRCPARAM L0002674	0.000001547	4.00	3.95	1.86
SRCPARAM L0002675	0.000001547	4.00	3.95	1.86
SRCPARAM L0002676	0.000001547	4.00	3.95	1.86
SRCPARAM L0002677	0.000001547	4.00	3.95	1.86
SRCPARAM L0002678	0.000001547	4.00	3.95	1.86

AERMOD LSTs Operational Output

SRCPARAM	L0002679	0.000001547	4.00	3.95	1.86
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** LINE VOLUME Source ID = SLINE10					
SRCPARAM	L0002680	0.00000264	4.00	3.95	1.86
SRCPARAM	L0002681	0.00000264	4.00	3.95	1.86
SRCPARAM	L0002682	0.00000264	4.00	3.95	1.86
SRCPARAM	L0002683	0.00000264	4.00	3.95	1.86
SRCPARAM	L0002684	0.00000264	4.00	3.95	1.86
SRCPARAM	L0002685	0.00000264	4.00	3.95	1.86
SRCPARAM	L0002686	0.00000264	4.00	3.95	1.86
SRCPARAM	L0002687	0.00000264	4.00	3.95	1.86
SRCPARAM	L0002688	0.00000264	4.00	3.95	1.86
SRCPARAM	L0002689	0.00000264	4.00	3.95	1.86
SRCPARAM	L0002690	0.00000264	4.00	3.95	1.86
SRCPARAM	L0002691	0.00000264	4.00	3.95	1.86
SRCPARAM	L0002692	0.00000264	4.00	3.95	1.86
SRCPARAM	L0002693	0.00000264	4.00	3.95	1.86
SRCPARAM	L0002694	0.00000264	4.00	3.95	1.86
SRCPARAM	L0002695	0.00000264	4.00	3.95	1.86
SRCPARAM	L0002696	0.00000264	4.00	3.95	1.86
SRCPARAM	L0002697	0.00000264	4.00	3.95	1.86
SRCPARAM	L0002698	0.00000264	4.00	3.95	1.86
SRCPARAM	L0002699	0.00000264	4.00	3.95	1.86
SRCPARAM	L0002700	0.00000264	4.00	3.95	1.86
SRCPARAM	L0002701	0.00000264	4.00	3.95	1.86
SRCPARAM	L0002702	0.00000264	4.00	3.95	1.86
SRCPARAM	L0002703	0.00000264	4.00	3.95	1.86
SRCPARAM	L0002704	0.00000264	4.00	3.95	1.86
SRCPARAM	L0002705	0.00000264	4.00	3.95	1.86
SRCPARAM	L0002706	0.00000264	4.00	3.95	1.86
SRCPARAM	L0002707	0.00000264	4.00	3.95	1.86
SRCPARAM	L0002708	0.00000264	4.00	3.95	1.86
SRCPARAM	L0002709	0.00000264	4.00	3.95	1.86
SRCPARAM	L0002710	0.00000264	4.00	3.95	1.86
SRCPARAM	L0002711	0.00000264	4.00	3.95	1.86
SRCPARAM	L0002712	0.00000264	4.00	3.95	1.86
SRCPARAM	L0002713	0.00000264	4.00	3.95	1.86
SRCPARAM	L0002714	0.00000264	4.00	3.95	1.86
SRCPARAM	L0002715	0.00000264	4.00	3.95	1.86
SRCPARAM	L0002716	0.00000264	4.00	3.95	1.86
SRCPARAM	L0002717	0.00000264	4.00	3.95	1.86
SRCPARAM	L0002718	0.00000264	4.00	3.95	1.86
SRCPARAM	L0002719	0.00000264	4.00	3.95	1.86
SRCPARAM	L0002720	0.00000264	4.00	3.95	1.86
SRCPARAM	L0002721	0.00000264	4.00	3.95	1.86
SRCPARAM	L0002722	0.00000264	4.00	3.95	1.86
SRCPARAM	L0002723	0.00000264	4.00	3.95	1.86
SRCPARAM	L0002724	0.00000264	4.00	3.95	1.86

AERMOD LSTs Operational Output

SRCPARAM	L0002725	0.00000264	4.00	3.95	1.86
SRCPARAM	L0002726	0.00000264	4.00	3.95	1.86
SRCPARAM	L0002727	0.00000264	4.00	3.95	1.86
SRCPARAM	L0002728	0.00000264	4.00	3.95	1.86
SRCPARAM	L0002729	0.00000264	4.00	3.95	1.86

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SRCPARAM	AREA1	2.351E-08	5.000	75.040	426.520	0.000
SRCPARAM	AREA2	2.489E-08	5.000	57.920	521.960	0.000
SRCPARAM	AREA3	8.7222E-08	5.000	143.400	60.160	0.000
SRCPARAM	AREA4	2.7037E-08	5.000	72.150	152.500	0.000
SRCPARAM	AREA5	5.6522E-08	5.000	61.270	85.900	0.000
SRCPARAM	AREA6	2.5323E-08	5.000	65.180	180.230	0.000
SRCPARAM	STCK1	0.000049612	3.960	501.000	49.98254	0.044
SRCPARAM	STCK2	0.000049612	3.960	501.000	49.98254	0.044
SRCPARAM	STCK3	0.000049612	3.960	501.000	49.98254	0.044
SRCPARAM	STCK4	0.000049612	3.960	501.000	49.98254	0.044
SRCPARAM	STCK5	0.000049612	3.960	501.000	49.98254	0.044
SRCPARAM	STCK6	0.000049612	3.960	501.000	49.98254	0.044
SRCPARAM	STCK7	0.000049612	3.960	501.000	49.98254	0.044
SRCPARAM	STCK8	0.000049612	3.960	501.000	49.98254	0.044
SRCPARAM	STCK9	0.000049612	3.960	501.000	49.98254	0.044
SRCPARAM	STCK10	0.000049612	3.960	501.000	49.98254	0.044
SRCPARAM	STCK11	0.00010496	3.960	501.000	49.98254	0.044
SRCPARAM	STCK12	0.000083165	3.960	501.000	49.98254	0.044
SRCPARAM	STCK13	0.000142241	3.960	501.000	49.98254	0.044

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LINE VOLUME Source ID = SLINE11					
SRCPARAM	L0002730	0.000001283	0.00	3.95	1.40
SRCPARAM	L0002731	0.000001283	0.00	3.95	1.40
SRCPARAM	L0002732	0.000001283	0.00	3.95	1.40
SRCPARAM	L0002733	0.000001283	0.00	3.95	1.40
SRCPARAM	L0002734	0.000001283	0.00	3.95	1.40
SRCPARAM	L0002735	0.000001283	0.00	3.95	1.40
SRCPARAM	L0002736	0.000001283	0.00	3.95	1.40
SRCPARAM	L0002737	0.000001283	0.00	3.95	1.40
SRCPARAM	L0002738	0.000001283	0.00	3.95	1.40
SRCPARAM	L0002739	0.000001283	0.00	3.95	1.40
SRCPARAM	L0002740	0.000001283	0.00	3.95	1.40
SRCPARAM	L0002741	0.000001283	0.00	3.95	1.40
SRCPARAM	L0002742	0.000001283	0.00	3.95	1.40
SRCPARAM	L0002743	0.000001283	0.00	3.95	1.40
SRCPARAM	L0002744	0.000001283	0.00	3.95	1.40
SRCPARAM	L0002745	0.000001283	0.00	3.95	1.40
SRCPARAM	L0002746	0.000001283	0.00	3.95	1.40
SRCPARAM	L0002747	0.000001283	0.00	3.95	1.40
SRCPARAM	L0002748	0.000001283	0.00	3.95	1.40
SRCPARAM	L0002749	0.000001283	0.00	3.95	1.40
SRCPARAM	L0002750	0.000001283	0.00	3.95	1.40
SRCPARAM	L0002751	0.000001283	0.00	3.95	1.40

AERMOD LSTs Operational Output

SRCPARAM	L0002752	0.000001283	0.00	3.95	1.40
SRCPARAM	L0002753	0.000001283	0.00	3.95	1.40
SRCPARAM	L0002754	0.000001283	0.00	3.95	1.40
SRCPARAM	L0002755	0.000001283	0.00	3.95	1.40
SRCPARAM	L0002756	0.000001283	0.00	3.95	1.40
SRCPARAM	L0002757	0.000001283	0.00	3.95	1.40
SRCPARAM	L0002758	0.000001283	0.00	3.95	1.40
SRCPARAM	L0002759	0.000001283	0.00	3.95	1.40
SRCPARAM	L0002760	0.000001283	0.00	3.95	1.40
SRCPARAM	L0002761	0.000001283	0.00	3.95	1.40
SRCPARAM	L0002762	0.000001283	0.00	3.95	1.40
SRCPARAM	L0002763	0.000001283	0.00	3.95	1.40
SRCPARAM	L0002764	0.000001283	0.00	3.95	1.40
SRCPARAM	L0002765	0.000001283	0.00	3.95	1.40
SRCPARAM	L0002766	0.000001283	0.00	3.95	1.40
SRCPARAM	L0002767	0.000001283	0.00	3.95	1.40
SRCPARAM	L0002768	0.000001283	0.00	3.95	1.40
SRCPARAM	L0002769	0.000001283	0.00	3.95	1.40
SRCPARAM	L0002770	0.000001283	0.00	3.95	1.40
SRCPARAM	L0002771	0.000001283	0.00	3.95	1.40
SRCPARAM	L0002772	0.000001283	0.00	3.95	1.40
SRCPARAM	L0002773	0.000001283	0.00	3.95	1.40
SRCPARAM	L0002774	0.000001283	0.00	3.95	1.40

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** LINE VOLUME Source ID = SLINE16

SRCPARAM	L0002775	0.0000004849	0.00	3.95	1.40
SRCPARAM	L0002776	0.0000004849	0.00	3.95	1.40
SRCPARAM	L0002777	0.0000004849	0.00	3.95	1.40
SRCPARAM	L0002778	0.0000004849	0.00	3.95	1.40
SRCPARAM	L0002779	0.0000004849	0.00	3.95	1.40
SRCPARAM	L0002780	0.0000004849	0.00	3.95	1.40
SRCPARAM	L0002781	0.0000004849	0.00	3.95	1.40
SRCPARAM	L0002782	0.0000004849	0.00	3.95	1.40
SRCPARAM	L0002783	0.0000004849	0.00	3.95	1.40
SRCPARAM	L0002784	0.0000004849	0.00	3.95	1.40
SRCPARAM	L0002785	0.0000004849	0.00	3.95	1.40
SRCPARAM	L0002786	0.0000004849	0.00	3.95	1.40
SRCPARAM	L0002787	0.0000004849	0.00	3.95	1.40
SRCPARAM	L0002788	0.0000004849	0.00	3.95	1.40
SRCPARAM	L0002789	0.0000004849	0.00	3.95	1.40
SRCPARAM	L0002790	0.0000004849	0.00	3.95	1.40
SRCPARAM	L0002791	0.0000004849	0.00	3.95	1.40
SRCPARAM	L0002792	0.0000004849	0.00	3.95	1.40
SRCPARAM	L0002793	0.0000004849	0.00	3.95	1.40
SRCPARAM	L0002794	0.0000004849	0.00	3.95	1.40
SRCPARAM	L0002795	0.0000004849	0.00	3.95	1.40
SRCPARAM	L0002796	0.0000004849	0.00	3.95	1.40
SRCPARAM	L0002797	0.0000004849	0.00	3.95	1.40

AERMOD LSTs Operational Output

SRCPARAM	L0002798	0.0000004849	0.00	3.95	1.40
SRCPARAM	L0002799	0.0000004849	0.00	3.95	1.40
SRCPARAM	L0002800	0.0000004849	0.00	3.95	1.40
SRCPARAM	L0002801	0.0000004849	0.00	3.95	1.40
SRCPARAM	L0002802	0.0000004849	0.00	3.95	1.40
SRCPARAM	L0002803	0.0000004849	0.00	3.95	1.40
SRCPARAM	L0002804	0.0000004849	0.00	3.95	1.40
SRCPARAM	L0002805	0.0000004849	0.00	3.95	1.40
SRCPARAM	L0002806	0.0000004849	0.00	3.95	1.40
SRCPARAM	L0002807	0.0000004849	0.00	3.95	1.40
SRCPARAM	L0002808	0.0000004849	0.00	3.95	1.40
SRCPARAM	L0002809	0.0000004849	0.00	3.95	1.40
SRCPARAM	L0002810	0.0000004849	0.00	3.95	1.40
SRCPARAM	L0002811	0.0000004849	0.00	3.95	1.40
SRCPARAM	L0002812	0.0000004849	0.00	3.95	1.40
SRCPARAM	L0002813	0.0000004849	0.00	3.95	1.40
SRCPARAM	L0002814	0.0000004849	0.00	3.95	1.40
SRCPARAM	L0002815	0.0000004849	0.00	3.95	1.40
SRCPARAM	L0002816	0.0000004849	0.00	3.95	1.40
SRCPARAM	L0002817	0.0000004849	0.00	3.95	1.40
SRCPARAM	L0002818	0.0000004849	0.00	3.95	1.40
SRCPARAM	L0002819	0.0000004849	0.00	3.95	1.40

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** LINE VOLUME Source ID = SLINE12

SRCPARAM	L0002820	0.000003609	0.00	3.95	1.40
SRCPARAM	L0002821	0.000003609	0.00	3.95	1.40
SRCPARAM	L0002822	0.000003609	0.00	3.95	1.40
SRCPARAM	L0002823	0.000003609	0.00	3.95	1.40
SRCPARAM	L0002824	0.000003609	0.00	3.95	1.40
SRCPARAM	L0002825	0.000003609	0.00	3.95	1.40
SRCPARAM	L0002826	0.000003609	0.00	3.95	1.40
SRCPARAM	L0002827	0.000003609	0.00	3.95	1.40
SRCPARAM	L0002828	0.000003609	0.00	3.95	1.40
SRCPARAM	L0002829	0.000003609	0.00	3.95	1.40
SRCPARAM	L0002830	0.000003609	0.00	3.95	1.40
SRCPARAM	L0002831	0.000003609	0.00	3.95	1.40
SRCPARAM	L0002832	0.000003609	0.00	3.95	1.40
SRCPARAM	L0002833	0.000003609	0.00	3.95	1.40
SRCPARAM	L0002834	0.000003609	0.00	3.95	1.40
SRCPARAM	L0002835	0.000003609	0.00	3.95	1.40

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** LINE VOLUME Source ID = SLINE17

SRCPARAM	L0002836	0.0000004983	0.00	3.95	1.40
SRCPARAM	L0002837	0.0000004983	0.00	3.95	1.40
SRCPARAM	L0002838	0.0000004983	0.00	3.95	1.40
SRCPARAM	L0002839	0.0000004983	0.00	3.95	1.40
SRCPARAM	L0002840	0.0000004983	0.00	3.95	1.40
SRCPARAM	L0002841	0.0000004983	0.00	3.95	1.40

AERMOD LSTs Operational Output

SRCPARAM L0002842	0.0000004983	0.00	3.95	1.40
SRCPARAM L0002843	0.0000004983	0.00	3.95	1.40
SRCPARAM L0002844	0.0000004983	0.00	3.95	1.40
SRCPARAM L0002845	0.0000004983	0.00	3.95	1.40
SRCPARAM L0002846	0.0000004983	0.00	3.95	1.40
SRCPARAM L0002847	0.0000004983	0.00	3.95	1.40
SRCPARAM L0002848	0.0000004983	0.00	3.95	1.40
SRCPARAM L0002849	0.0000004983	0.00	3.95	1.40
SRCPARAM L0002850	0.0000004983	0.00	3.95	1.40
SRCPARAM L0002851	0.0000004983	0.00	3.95	1.40

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** LINE VOLUME Source ID = SLINE13

SRCPARAM L0002852	0.000001778	0.00	3.95	1.40
SRCPARAM L0002853	0.000001778	0.00	3.95	1.40
SRCPARAM L0002854	0.000001778	0.00	3.95	1.40
SRCPARAM L0002855	0.000001778	0.00	3.95	1.40
SRCPARAM L0002856	0.000001778	0.00	3.95	1.40
SRCPARAM L0002857	0.000001778	0.00	3.95	1.40
SRCPARAM L0002858	0.000001778	0.00	3.95	1.40
SRCPARAM L0002859	0.000001778	0.00	3.95	1.40
SRCPARAM L0002860	0.000001778	0.00	3.95	1.40
SRCPARAM L0002861	0.000001778	0.00	3.95	1.40
SRCPARAM L0002862	0.000001778	0.00	3.95	1.40
SRCPARAM L0002863	0.000001778	0.00	3.95	1.40
SRCPARAM L0002864	0.000001778	0.00	3.95	1.40
SRCPARAM L0002865	0.000001778	0.00	3.95	1.40
SRCPARAM L0002866	0.000001778	0.00	3.95	1.40
SRCPARAM L0002867	0.000001778	0.00	3.95	1.40
SRCPARAM L0002868	0.000001778	0.00	3.95	1.40
SRCPARAM L0002869	0.000001778	0.00	3.95	1.40
SRCPARAM L0002870	0.000001778	0.00	3.95	1.40
SRCPARAM L0002871	0.000001778	0.00	3.95	1.40
SRCPARAM L0002872	0.000001778	0.00	3.95	1.40
SRCPARAM L0002873	0.000001778	0.00	3.95	1.40
SRCPARAM L0002874	0.000001778	0.00	3.95	1.40
SRCPARAM L0002875	0.000001778	0.00	3.95	1.40
SRCPARAM L0002876	0.000001778	0.00	3.95	1.40
SRCPARAM L0002877	0.000001778	0.00	3.95	1.40
SRCPARAM L0002878	0.000001778	0.00	3.95	1.40
SRCPARAM L0002879	0.000001778	0.00	3.95	1.40
SRCPARAM L0002880	0.000001778	0.00	3.95	1.40
SRCPARAM L0002881	0.000001778	0.00	3.95	1.40
SRCPARAM L0002882	0.000001778	0.00	3.95	1.40

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** LINE VOLUME Source ID = SLINE18

SRCPARAM L0002883	0.0000004606	0.00	3.95	1.40
SRCPARAM L0002884	0.0000004606	0.00	3.95	1.40
SRCPARAM L0002885	0.0000004606	0.00	3.95	1.40

AERMOD LSTs Operational Output

SRCPARAM	L0002886	0.0000004606	0.00	3.95	1.40
SRCPARAM	L0002887	0.0000004606	0.00	3.95	1.40
SRCPARAM	L0002888	0.0000004606	0.00	3.95	1.40
SRCPARAM	L0002889	0.0000004606	0.00	3.95	1.40
SRCPARAM	L0002890	0.0000004606	0.00	3.95	1.40
SRCPARAM	L0002891	0.0000004606	0.00	3.95	1.40
SRCPARAM	L0002892	0.0000004606	0.00	3.95	1.40
SRCPARAM	L0002893	0.0000004606	0.00	3.95	1.40
SRCPARAM	L0002894	0.0000004606	0.00	3.95	1.40
SRCPARAM	L0002895	0.0000004606	0.00	3.95	1.40
SRCPARAM	L0002896	0.0000004606	0.00	3.95	1.40
SRCPARAM	L0002897	0.0000004606	0.00	3.95	1.40
SRCPARAM	L0002898	0.0000004606	0.00	3.95	1.40
SRCPARAM	L0002899	0.0000004606	0.00	3.95	1.40
SRCPARAM	L0002900	0.0000004606	0.00	3.95	1.40
SRCPARAM	L0002901	0.0000004606	0.00	3.95	1.40
SRCPARAM	L0002902	0.0000004606	0.00	3.95	1.40
SRCPARAM	L0002903	0.0000004606	0.00	3.95	1.40
SRCPARAM	L0002904	0.0000004606	0.00	3.95	1.40
SRCPARAM	L0002905	0.0000004606	0.00	3.95	1.40
SRCPARAM	L0002906	0.0000004606	0.00	3.95	1.40
SRCPARAM	L0002907	0.0000004606	0.00	3.95	1.40
SRCPARAM	L0002908	0.0000004606	0.00	3.95	1.40
SRCPARAM	L0002909	0.0000004606	0.00	3.95	1.40
SRCPARAM	L0002910	0.0000004606	0.00	3.95	1.40
SRCPARAM	L0002911	0.0000004606	0.00	3.95	1.40
SRCPARAM	L0002912	0.0000004606	0.00	3.95	1.40
SRCPARAM	L0002913	0.0000004606	0.00	3.95	1.40

**

** LINE VOLUME Source ID = SLINE14

SRCPARAM	L0002914	0.000005472	0.00	3.95	1.40
SRCPARAM	L0002915	0.000005472	0.00	3.95	1.40
SRCPARAM	L0002916	0.000005472	0.00	3.95	1.40
SRCPARAM	L0002917	0.000005472	0.00	3.95	1.40
SRCPARAM	L0002918	0.000005472	0.00	3.95	1.40
SRCPARAM	L0002919	0.000005472	0.00	3.95	1.40
SRCPARAM	L0002920	0.000005472	0.00	3.95	1.40
SRCPARAM	L0002921	0.000005472	0.00	3.95	1.40

**

** LINE VOLUME Source ID = SLINE19

SRCPARAM	L0002922	0.0000003498	0.00	3.95	1.40
SRCPARAM	L0002923	0.0000003498	0.00	3.95	1.40
SRCPARAM	L0002924	0.0000003498	0.00	3.95	1.40
SRCPARAM	L0002925	0.0000003498	0.00	3.95	1.40
SRCPARAM	L0002926	0.0000003498	0.00	3.95	1.40
SRCPARAM	L0002927	0.0000003498	0.00	3.95	1.40
SRCPARAM	L0002928	0.0000003498	0.00	3.95	1.40
SRCPARAM	L0002929	0.0000003498	0.00	3.95	1.40

AERMOD LSTs Operational Output

** -----

** LINE VOLUME Source ID = SLINE15

SRCPARAM L0002930	0.000006222	0.00	3.95	1.40
SRCPARAM L0002931	0.000006222	0.00	3.95	1.40
SRCPARAM L0002932	0.000006222	0.00	3.95	1.40
SRCPARAM L0002933	0.000006222	0.00	3.95	1.40
SRCPARAM L0002934	0.000006222	0.00	3.95	1.40
SRCPARAM L0002935	0.000006222	0.00	3.95	1.40
SRCPARAM L0002936	0.000006222	0.00	3.95	1.40
SRCPARAM L0002937	0.000006222	0.00	3.95	1.40
SRCPARAM L0002938	0.000006222	0.00	3.95	1.40
SRCPARAM L0002939	0.000006222	0.00	3.95	1.40
SRCPARAM L0002940	0.000006222	0.00	3.95	1.40
SRCPARAM L0002941	0.000006222	0.00	3.95	1.40

** -----

** LINE VOLUME Source ID = SLINE20

SRCPARAM L0002942	0.0000006562	0.00	3.95	1.40
SRCPARAM L0002943	0.0000006562	0.00	3.95	1.40
SRCPARAM L0002944	0.0000006562	0.00	3.95	1.40
SRCPARAM L0002945	0.0000006562	0.00	3.95	1.40
SRCPARAM L0002946	0.0000006562	0.00	3.95	1.40
SRCPARAM L0002947	0.0000006562	0.00	3.95	1.40
SRCPARAM L0002948	0.0000006562	0.00	3.95	1.40
SRCPARAM L0002949	0.0000006562	0.00	3.95	1.40
SRCPARAM L0002950	0.0000006562	0.00	3.95	1.40
SRCPARAM L0002951	0.0000006562	0.00	3.95	1.40
SRCPARAM L0002952	0.0000006562	0.00	3.95	1.40
SRCPARAM L0002953	0.0000006562	0.00	3.95	1.40

** -----

URBANSRC ALL

SRCGROUP ALL

SO FINISHED

**

** AERMOD Receptor Pathway

**

**

RE STARTING

INCLUDED PM10.rou

RE FINISHED

**

** AERMOD Meteorology Pathway

**

**

ME STARTING

AERMOD LSTs Operational Output

SURFFILE ..\..\peri8.sfc
PROFFILE ..\..\peri8.PFL
SURFDATA 3190 2007
UAIRDATA 3190 2007
SITEDATA 99999 2007
PROFBASE 442.0 METERS

ME FINISHED

**

** AERMOD Output Pathway

**

**

OU STARTING

RECTABLE ALLAVE 1ST

RECTABLE 24 1ST

** Auto-Generated Plotfiles

PLOTFILE 24 ALL 1ST PM10.AD\24H1GALL.PLT 31

PLOTFILE ANNUAL ALL PM10.AD\AN00GALL.PLT 32

SUMMFILE PM10.sum

OU FINISHED

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

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

A Total of	0 Fatal Error Message(s)
A Total of	1 Warning Message(s)
A Total of	0 Informational Message(s)

***** FATAL ERROR MESSAGES *****

*** NONE ***

***** WARNING MESSAGES *****

ME W531 1776 MEOPEN: CAUTION! Met Station ID Missing from SURFFILE for
SURFDATA

*** SETUP Finishes Successfully ***

♀ *** AERMOD - VERSION 15181 *** *** C:\Lakes\AERMOD
View\MVL\OperationalLSTs\PM10\PM10.isc ***

11/03/15

*** AERMET - VERSION 14134 *** ***

14:22:46

AERMOD LSTs Operational Output

PAGE 1

**MODELOPTs: RegDFAULT CONC ELEV FLGPOL URBAN

*** 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 656 Source(s),
for Total of 1 Urban Area(s):

Urban Population = 2100516.0 ; 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:

TEMP_Sub - Meteorological data includes TEMP substitutions

**Model Accepts FLAGPOLE Receptor Heights.

**The User Specified a Pollutant Type of: PM₁₀

**Model Calculates 1 Short Term Average(s) of: 24-HR
and Calculates ANNUAL Averages

**This Run Includes: 656 Source(s); 1 Source Group(s); and 8
Receptor(s)

with: 13 POINT(s), including
0 POINTCAP(s) and 0 POINTHOR(s)
and: 637 VOLUME source(s)
and: 6 AREA type source(s)
and: 0 LINE source(s)
and: 0 OPENPIT source(s)

AERMOD LSTs Operational Output

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

**The AERMET Input Meteorological Data Version Date: 14134

**Output Options Selected:

Model Outputs Tables of ANNUAL Averages by Receptor

Model Outputs Tables of Highest Short Term Values by Receptor (RECTABLE
Keyword)

Model Outputs External File(s) of High Values for Plotting (PLOTFILE
Keyword)

Model Outputs Separate Summary File of High Ranked Values (SUMMFILE
Keyword)

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

**Misc. Inputs: Base Elev. for Pot. Temp. Profile (m MSL) = 442.00 ; Decay
Coef. = 0.000 ; Rot. Angle = 0.0
Emission Units = GRAMS/SEC ;
Emission Rate Unit Factor = 0.10000E+07
Output Units = MICROGRAMS/M**3

**Approximate Storage Requirements of Model = 3.9 MB of RAM.

**Detailed Error/Message File: PM10.err

**File for Summary of Results: PM10.sum

♀ *** AERMOD - VERSION 15181 *** C:\Lakes\AERMOD
View\MVL\OperationalLSTs\PM10\PM10.isc *** 11/03/15
*** AERMET - VERSION 14134 ***
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**MODELOPTs: RegDFAULT CONC ELEV FLGPOL URBAN

*** POINT SOURCE DATA ***

STACK	STACK	BLDG	URBAN	CAP/	EMIS RATE	BASE	STACK	STACK
SOURCE	PART.	(GRAMS/SEC)	X	Y	ELEV.	HEIGHT	TEMP.	
EXIT VEL.	DIAMETER	EXISTS	SOURCE	HOR	SCALAR			

AERMOD LSTs Operational Output

ID CATS. (METERS) (METERS) (METERS) (METERS) (DEG.K)
(M/SEC) (METERS) VARY BY

STCK1		0	0.49612E-04	478197.3	3748887.5	453.0	3.96	501.00
49.98	0.04	NO	YES NO					
STCK2		0	0.49612E-04	478195.1	3748735.6	452.0	3.96	501.00
49.98	0.04	NO	YES NO					
STCK3		0	0.49612E-04	478195.8	3748573.3	452.0	3.96	501.00
49.98	0.04	NO	YES NO					
STCK4		0	0.49612E-04	478198.1	3748428.1	451.0	3.96	501.00
49.98	0.04	NO	YES NO					
STCK5		0	0.49612E-04	477956.2	3748894.1	453.0	3.96	501.00
49.98	0.04	NO	YES NO					
STCK6		0	0.49612E-04	477962.1	3748741.5	453.0	3.96	501.00
49.98	0.04	NO	YES NO					
STCK7		0	0.49612E-04	477962.8	3748581.4	452.0	3.96	501.00
49.98	0.04	NO	YES NO					
STCK8		0	0.49612E-04	477964.3	3748509.9	451.8	3.96	501.00
49.98	0.04	NO	YES NO					
STCK9		0	0.49612E-04	478049.1	3748355.8	451.0	3.96	501.00
49.98	0.04	NO	YES NO					
STCK10		0	0.49612E-04	478153.1	3748357.3	451.0	3.96	501.00
49.98	0.04	NO	YES NO					
STCK11		0	0.10496E-03	477756.4	3748910.9	453.2	3.96	501.00
49.98	0.04	NO	YES NO					
STCK12		0	0.83165E-04	477975.8	3748266.9	450.0	3.96	501.00
49.98	0.04	NO	YES NO					
STCK13		0	0.14224E-03	477612.5	3748890.5	454.0	3.96	501.00
49.98	0.04	NO	YES NO					

♀ *** AERMOD - VERSION 15181 *** C:\Lakes\AERMOD
View\MVL\OperationalLSTs\PM10\PM10.isc *** 11/03/15
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*** 14:22:46

***MODELOPTs: RegDFAULT CONC PAGE 3
ELEV FLGPOL URBAN

*** VOLUME SOURCE DATA ***

INIT.	URBAN	NUMBER EMISSION RATE	BASE	RELEASE	INIT.
SOURCE	SCALAR	EMISSION RATE	ELEV.	HEIGHT	SY
SZ	ID	PART. (GRAMS/SEC)	(METERS)	(METERS)	(METERS)
	CATS.	VARY BY	(METERS)	(METERS)	(METERS)

AERMOD LSTs Operational Output

L0002317	0	0.77650E-05	478216.2	3748416.3	451.0	4.00	13.95
1.86 YES							
L0002318	0	0.77650E-05	478216.3	3748446.3	451.0	4.00	13.95
1.86 YES							
L0002319	0	0.77650E-05	478216.5	3748476.3	451.2	4.00	13.95
1.86 YES							
L0002320	0	0.77650E-05	478216.6	3748506.3	451.7	4.00	13.95
1.86 YES							
L0002321	0	0.77650E-05	478216.7	3748536.3	452.0	4.00	13.95
1.86 YES							
L0002322	0	0.77650E-05	478216.9	3748566.3	452.0	4.00	13.95
1.86 YES							
L0002323	0	0.77650E-05	478217.0	3748596.3	452.0	4.00	13.95
1.86 YES							
L0002324	0	0.77650E-05	478217.2	3748626.3	452.0	4.00	13.95
1.86 YES							
L0002325	0	0.77650E-05	478217.3	3748656.3	452.0	4.00	13.95
1.86 YES							
L0002326	0	0.77650E-05	478217.4	3748686.3	452.0	4.00	13.95
1.86 YES							
L0002327	0	0.77650E-05	478217.6	3748716.3	452.0	4.00	13.95
1.86 YES							
L0002328	0	0.77650E-05	478217.7	3748746.3	452.0	4.00	13.95
1.86 YES							
L0002329	0	0.77650E-05	478217.8	3748776.3	452.0	4.00	13.95
1.86 YES							
L0002330	0	0.77650E-05	478218.0	3748806.3	452.7	4.00	13.95
1.86 YES							
L0002331	0	0.77650E-05	478218.1	3748836.3	453.0	4.00	13.95
1.86 YES							
L0002332	0	0.77650E-05	478218.3	3748866.3	453.0	4.00	13.95
1.86 YES							
L0002333	0	0.77650E-05	478218.4	3748896.3	453.0	4.00	13.95
1.86 YES							
L0002334	0	0.80500E-05	477943.9	3748501.1	451.5	4.00	13.95
1.86 YES							
L0002335	0	0.80500E-05	477944.1	3748531.1	452.0	4.00	13.95
1.86 YES							
L0002336	0	0.80500E-05	477944.4	3748561.1	452.0	4.00	13.95
1.86 YES							
L0002337	0	0.80500E-05	477944.7	3748591.1	452.0	4.00	13.95
1.86 YES							
L0002338	0	0.80500E-05	477944.9	3748621.1	452.0	4.00	13.95
1.86 YES							
L0002339	0	0.80500E-05	477945.2	3748651.1	452.0	4.00	13.95

AERMOD LSTs Operational Output

1.86	YES							
L0002340		0	0.80500E-05	477945.4	3748681.1	452.5	4.00	13.95
1.86	YES							
L0002341		0	0.80500E-05	477945.7	3748711.1	453.0	4.00	13.95
1.86	YES							
L0002342		0	0.80500E-05	477945.9	3748741.1	453.0	4.00	13.95
1.86	YES							
L0002343		0	0.80500E-05	477946.2	3748771.1	453.0	4.00	13.95
1.86	YES							
L0002344		0	0.80500E-05	477946.5	3748801.1	453.0	4.00	13.95
1.86	YES							
L0002345		0	0.80500E-05	477946.7	3748831.1	453.0	4.00	13.95
1.86	YES							
L0002346		0	0.80500E-05	477947.0	3748861.1	453.0	4.00	13.95
1.86	YES							
L0002347		0	0.80500E-05	477947.2	3748891.1	453.0	4.00	13.95
1.86	YES							
L0002348		0	0.74240E-05	477756.7	3748938.5	454.0	4.00	3.95
1.86	YES							
L0002349		0	0.74240E-05	477756.7	3748930.0	453.8	4.00	3.95
1.86	YES							
L0002350		0	0.74240E-05	477756.7	3748921.5	453.6	4.00	3.95
1.86	YES							
L0002351		0	0.74240E-05	477756.7	3748913.0	453.3	4.00	3.95
1.86	YES							
L0002352		0	0.74240E-05	477756.7	3748904.5	453.1	4.00	3.95
1.86	YES							
L0002353		0	0.74240E-05	477756.7	3748896.0	453.1	4.00	3.95
1.86	YES							
L0002354		0	0.74240E-05	477756.7	3748887.5	453.1	4.00	3.95
1.86	YES							
L0002355		0	0.74240E-05	477756.7	3748879.0	453.1	4.00	3.95
1.86	YES							
L0002356		0	0.22410E-05	477900.2	3748339.0	451.0	4.00	3.95

1.86 YES
 *** AERMOD - VERSION 15181 *** C:\Lakes\AERMOD
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 *** 14:22:46

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 **MODELOPTs: RegDFAULT CONC ELEV FLGPOL URBAN

*** VOLUME SOURCE DATA ***

INIT.	URBAN	NUMBER EMISSION RATE	BASE	RELEASE	INIT.
		EMISSION RATE			

AERMOD LSTs Operational Output							
SOURCE	PART.	(GRAMS/SEC)	X	Y	ELEV.	HEIGHT	SY
SZ	SCALAR	VARY					
ID	CATS.	BY	(METERS)	(METERS)	(METERS)	(METERS)	(METERS)
(METERS)							
L0002357	0	0.22410E-05	477908.7	3748339.0	451.0	4.00	3.95
1.86	YES						
L0002358	0	0.22410E-05	477917.1	3748338.9	451.0	4.00	3.95
1.86	YES						
L0002359	0	0.22410E-05	477925.6	3748338.8	451.0	4.00	3.95
1.86	YES						
L0002360	0	0.22410E-05	477934.1	3748338.8	451.0	4.00	3.95
1.86	YES						
L0002361	0	0.22410E-05	477942.6	3748338.0	451.0	4.00	3.95
1.86	YES						
L0002362	0	0.22410E-05	477947.6	3748331.8	451.0	4.00	3.95
1.86	YES						
L0002363	0	0.22410E-05	477951.8	3748324.5	451.0	4.00	3.95
1.86	YES						
L0002364	0	0.22410E-05	477956.1	3748317.1	450.0	4.00	3.95
1.86	YES						
L0002365	0	0.22410E-05	477960.3	3748309.7	450.0	4.00	3.95
1.86	YES						
L0002366	0	0.22410E-05	477964.6	3748302.3	450.0	4.00	3.95
1.86	YES						
L0002367	0	0.22410E-05	477968.8	3748295.0	450.0	4.00	3.95
1.86	YES						
L0002368	0	0.22410E-05	477973.0	3748287.6	450.0	4.00	3.95
1.86	YES						
L0002369	0	0.22410E-05	477976.2	3748279.9	450.0	4.00	3.95
1.86	YES						
L0002370	0	0.22410E-05	477977.3	3748271.5	450.0	4.00	3.95
1.86	YES						
L0002371	0	0.22410E-05	477978.3	3748263.0	450.0	4.00	3.95
1.86	YES						
L0002372	0	0.22410E-05	477978.3	3748254.5	450.0	4.00	3.95
1.86	YES						
L0002373	0	0.22410E-05	477978.3	3748246.0	450.0	4.00	3.95
1.86	YES						
L0002374	0	0.22410E-05	477978.2	3748237.5	450.0	4.00	3.95
1.86	YES						
L0002375	0	0.22410E-05	477978.2	3748229.0	450.0	4.00	3.95
1.86	YES						
L0002376	0	0.22410E-05	477978.1	3748220.5	450.0	4.00	3.95
1.86	YES						
L0002377	0	0.53660E-05	477608.7	3748929.3	454.0	0.00	3.95

AERMOD LSTs Operational Output

1.86	YES							
L0002378		0	0.53660E-05	477608.7	3748920.8	454.0	0.00	3.95
1.86	YES							
L0002379		0	0.53660E-05	477608.7	3748912.3	454.0	0.00	3.95
1.86	YES							
L0002380		0	0.53660E-05	477608.7	3748903.8	454.0	0.00	3.95
1.86	YES							
L0002381		0	0.53660E-05	477608.7	3748895.3	454.0	0.00	3.95
1.86	YES							
L0002382		0	0.53660E-05	477608.7	3748886.8	454.0	0.00	3.95
1.86	YES							
L0002383		0	0.53660E-05	477608.7	3748878.3	454.0	0.00	3.95
1.86	YES							
L0002384		0	0.53660E-05	477608.7	3748869.8	454.0	0.00	3.95
1.86	YES							
L0002385		0	0.53660E-05	477608.7	3748861.3	454.0	0.00	3.95
1.86	YES							
L0002386		0	0.53660E-05	477608.7	3748852.8	454.0	0.00	3.95
1.86	YES							
L0002387		0	0.53660E-05	477608.7	3748844.3	454.0	0.00	3.95
1.86	YES							
L0002388		0	0.53660E-05	477608.7	3748835.8	454.0	0.00	3.95
1.86	YES							
L0002389		0	0.53660E-05	477608.7	3748827.3	454.0	0.00	3.95
1.86	YES							
L0002390		0	0.53660E-05	477608.7	3748818.8	454.0	0.00	3.95
1.86	YES							
L0002391		0	0.53660E-05	477608.7	3748810.3	454.0	0.00	3.95
1.86	YES							
L0002392		0	0.72680E-05	478043.0	3748335.2	451.0	0.00	13.95
1.86	YES							
L0002393		0	0.72680E-05	478073.0	3748334.5	451.0	0.00	13.95
1.86	YES							
L0002394		0	0.72680E-05	478103.0	3748333.9	451.0	0.00	13.95
1.86	YES							
L0002395		0	0.72680E-05	478133.0	3748333.2	451.0	0.00	13.95
1.86	YES							
L0002396		0	0.72680E-05	478163.0	3748332.6	451.0	0.00	13.95

1.86 YES
 *** AERMOD - VERSION 15181 *** C:\Lakes\AERMOD
 View\MVL\OperationalLSTs\PM10\PM10.isc *** 11/03/15
 *** AERMET - VERSION 14134 ***
 *** 14:22:46

***MODELOPTs: RegDFAULT CONC PAGE 5
 ELEV FLGPOL URBAN

AERMOD LSTs Operational Output

*** VOLUME SOURCE DATA ***

INIT.	URBAN	NUMBER	EMISSION	RATE		BASE	RELEASE	INIT.
SOURCE		EMISSION	RATE					
SZ	SOURCE	PART.	(GRAMS/SEC)	X	Y	ELEV.	HEIGHT	SY
ID		SCALAR	VARY					
(METERS)		CATS.	BY	(METERS)	(METERS)	(METERS)	(METERS)	(METERS)
-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-
L0002397		0	0.92230E-05	477952.3	3748971.4	453.0	4.00	3.95
1.86	YES							
L0002398		0	0.92230E-05	477952.2	3748962.9	453.0	4.00	3.95
1.86	YES							
L0002399		0	0.92230E-05	477952.0	3748954.4	453.0	4.00	3.95
1.86	YES							
L0002400		0	0.92230E-05	477951.4	3748946.0	453.0	4.00	3.95
1.86	YES							
L0002401		0	0.92230E-05	477950.2	3748937.5	453.0	4.00	3.95
1.86	YES							
L0002402		0	0.92230E-05	477949.0	3748929.1	453.0	4.00	3.95
1.86	YES							
L0002403		0	0.92230E-05	477948.2	3748920.7	453.0	4.00	3.95
1.86	YES							
L0002404		0	0.92230E-05	477948.1	3748912.2	453.0	4.00	3.95
1.86	YES							
L0002405		0	0.92230E-05	477947.9	3748903.7	453.0	4.00	3.95
1.86	YES							
L0002406		0	0.92230E-05	477947.8	3748895.2	453.0	4.00	3.95
1.86	YES							
L0002407		0	0.92230E-05	477947.6	3748886.7	453.0	4.00	3.95
1.86	YES							
L0002408		0	0.92230E-05	477947.5	3748878.2	453.0	4.00	3.95
1.86	YES							
L0002409		0	0.92230E-05	477947.3	3748869.7	453.0	4.00	3.95
1.86	YES							
L0002410		0	0.92230E-05	477947.2	3748861.2	453.0	4.00	3.95
1.86	YES							
L0002411		0	0.92230E-05	477947.2	3748852.7	453.0	4.00	3.95
1.86	YES							
L0002412		0	0.92230E-05	477947.1	3748844.2	453.0	4.00	3.95
1.86	YES							
L0002413		0	0.92230E-05	477947.0	3748835.7	453.0	4.00	3.95
1.86	YES							
L0002414		0	0.92230E-05	477947.0	3748827.2	453.0	4.00	3.95
1.86	YES							
L0002415		0	0.92230E-05	477946.9	3748818.7	453.0	4.00	3.95

AERMOD LSTs Operational Output

1.86	YES							
L0002416		0	0.92230E-05	477946.8	3748810.2	453.0	4.00	3.95
1.86	YES							
L0002417		0	0.92230E-05	477946.7	3748801.7	453.0	4.00	3.95
1.86	YES							
L0002418		0	0.92230E-05	477946.7	3748793.2	453.0	4.00	3.95
1.86	YES							
L0002419		0	0.92230E-05	477946.6	3748784.7	453.0	4.00	3.95
1.86	YES							
L0002420		0	0.92230E-05	477946.5	3748776.2	453.0	4.00	3.95
1.86	YES							
L0002421		0	0.92230E-05	477946.5	3748767.7	453.0	4.00	3.95
1.86	YES							
L0002422		0	0.92230E-05	477946.4	3748759.2	453.0	4.00	3.95
1.86	YES							
L0002423		0	0.92230E-05	477946.3	3748750.7	453.0	4.00	3.95
1.86	YES							
L0002424		0	0.92230E-05	477946.3	3748742.2	453.0	4.00	3.95
1.86	YES							
L0002425		0	0.92230E-05	477946.2	3748733.7	453.0	4.00	3.95
1.86	YES							
L0002426		0	0.92230E-05	477946.1	3748725.2	453.0	4.00	3.95
1.86	YES							
L0002427		0	0.92230E-05	477946.1	3748716.7	453.0	4.00	3.95
1.86	YES							
L0002428		0	0.92230E-05	477946.0	3748708.2	453.0	4.00	3.95
1.86	YES							
L0002429		0	0.92230E-05	477945.9	3748699.7	453.0	4.00	3.95
1.86	YES							
L0002430		0	0.92230E-05	477945.9	3748691.2	452.8	4.00	3.95
1.86	YES							
L0002431		0	0.92230E-05	477945.8	3748682.7	452.5	4.00	3.95
1.86	YES							
L0002432		0	0.92230E-05	477945.7	3748674.2	452.2	4.00	3.95
1.86	YES							
L0002433		0	0.92230E-05	477945.7	3748665.7	452.0	4.00	3.95
1.86	YES							
L0002434		0	0.92230E-05	477945.6	3748657.2	452.0	4.00	3.95
1.86	YES							
L0002435		0	0.92230E-05	477945.5	3748648.7	452.0	4.00	3.95
1.86	YES							
L0002436		0	0.92230E-05	477945.4	3748640.2	452.0	4.00	3.95

1.86 YES
 *** AERMOD - VERSION 15181 *** *** C:\Lakes\AERMOD
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AERMOD LSTs Operational Output

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**MODELOPTs: RegDFAULT CONC ELEV FLGPOL URBAN

*** VOLUME SOURCE DATA ***

INIT.	URBAN	NUMBER	EMISSION	RATE		BASE	RELEASE	INIT.
SOURCE		EMISSION	RATE					
SZ	SOURCE	PART.	(GRAMS/SEC)	X	Y	ELEV.	HEIGHT	SY
ID		SCALAR	VARY					
(METERS)		CATS.	BY	(METERS)	(METERS)	(METERS)	(METERS)	(METERS)
---	---	---	---	---	---	---	---	---
---	---	---	---	---	---	---	---	---
L0002437		0	0.92230E-05	477945.4	3748631.7	452.0	4.00	3.95
1.86	YES							
L0002438		0	0.92230E-05	477945.3	3748623.2	452.0	4.00	3.95
1.86	YES							
L0002439		0	0.92230E-05	477945.2	3748614.7	452.0	4.00	3.95
1.86	YES							
L0002440		0	0.92230E-05	477945.2	3748606.2	452.0	4.00	3.95
1.86	YES							
L0002441		0	0.92230E-05	477945.1	3748597.7	452.0	4.00	3.95
1.86	YES							
L0002442		0	0.92230E-05	477945.0	3748589.2	452.0	4.00	3.95
1.86	YES							
L0002443		0	0.92230E-05	477945.0	3748580.7	452.0	4.00	3.95
1.86	YES							
L0002444		0	0.92230E-05	477944.9	3748572.2	452.0	4.00	3.95
1.86	YES							
L0002445		0	0.92230E-05	477944.8	3748563.7	452.0	4.00	3.95
1.86	YES							
L0002446		0	0.92230E-05	477944.8	3748555.2	452.0	4.00	3.95
1.86	YES							
L0002447		0	0.92230E-05	477944.7	3748546.7	452.0	4.00	3.95
1.86	YES							
L0002448		0	0.92230E-05	477944.6	3748538.2	452.0	4.00	3.95
1.86	YES							
L0002449		0	0.92230E-05	477944.6	3748529.7	452.0	4.00	3.95
1.86	YES							
L0002450		0	0.92230E-05	477944.5	3748521.2	452.0	4.00	3.95
1.86	YES							
L0002451		0	0.92230E-05	477944.4	3748512.7	451.9	4.00	3.95
1.86	YES							
L0002452		0	0.92230E-05	477944.4	3748504.2	451.6	4.00	3.95
1.86	YES							
L0002453		0	0.92230E-05	477944.3	3748495.7	451.3	4.00	3.95

AERMOD LSTs Operational Output

1.86	YES							
L0002454		0	0.92230E-05	477944.7	3748487.3	451.0	4.00	3.95
1.86	YES							
L0002455		0	0.92230E-05	477948.7	3748479.8	451.0	4.00	3.95
1.86	YES							
L0002456		0	0.92230E-05	477952.8	3748472.3	451.0	4.00	3.95
1.86	YES							
L0002457		0	0.92230E-05	477956.8	3748464.9	451.0	4.00	3.95
1.86	YES							
L0002458		0	0.92230E-05	477960.8	3748457.4	451.0	4.00	3.95
1.86	YES							
L0002459		0	0.92230E-05	477964.8	3748449.9	451.0	4.00	3.95
1.86	YES							
L0002460		0	0.92230E-05	477968.8	3748442.4	451.0	4.00	3.95
1.86	YES							
L0002461		0	0.92230E-05	477972.8	3748434.9	451.0	4.00	3.95
1.86	YES							
L0002462		0	0.92230E-05	477976.9	3748427.4	451.0	4.00	3.95
1.86	YES							
L0002463		0	0.92230E-05	477980.9	3748419.9	451.0	4.00	3.95
1.86	YES							
L0002464		0	0.92230E-05	477984.9	3748412.4	451.0	4.00	3.95
1.86	YES							
L0002465		0	0.92230E-05	477988.9	3748404.9	451.0	4.00	3.95
1.86	YES							
L0002466		0	0.92230E-05	477992.9	3748397.4	451.0	4.00	3.95
1.86	YES							
L0002467		0	0.92230E-05	477996.9	3748389.9	451.0	4.00	3.95
1.86	YES							
L0002468		0	0.92230E-05	478001.0	3748382.4	451.0	4.00	3.95
1.86	YES							
L0002469		0	0.92230E-05	478005.0	3748375.0	451.0	4.00	3.95
1.86	YES							
L0002470		0	0.92230E-05	478009.0	3748367.5	451.0	4.00	3.95
1.86	YES							
L0002471		0	0.92230E-05	478013.0	3748360.0	451.0	4.00	3.95
1.86	YES							
L0002472		0	0.92230E-05	478017.1	3748352.5	451.0	4.00	3.95
1.86	YES							
L0002473		0	0.92230E-05	478021.7	3748345.4	451.0	4.00	3.95
1.86	YES							
L0002474		0	0.92230E-05	478026.4	3748338.3	451.0	4.00	3.95
1.86	YES							
L0002475		0	0.92230E-05	478033.8	3748336.4	451.0	4.00	3.95
1.86	YES							
L0002476		0	0.92230E-05	478042.3	3748336.5	451.0	4.00	3.95

1.86 YES
 † *** AERMOD - VERSION 15181 *** *** C:\Lakes\AERMOD

AERMOD LSTs Operational Output

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*** AERMET - VERSION 14134 ***

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**MODELOPTs: RegDFAULT CONC PAGE 7
ELEV FLGPOL URBAN

*** VOLUME SOURCE DATA ***

INIT.	URBAN	NUMBER EMISSION RATE	BASE	RELEASE	INIT.
SOURCE	EMISSION RATE				
SZ	PART. (GRAMS/SEC)	X	Y	ELEV.	HEIGHT
ID	SCALAR VARY	(METERS)	(METERS)	(METERS)	(METERS)
(METERS)	CATS.	BY			SY
					(METERS)
L0002477	0	0.92230E-05	478050.8	3748336.6	451.0
1.86 YES					4.00
L0002478	0	0.92230E-05	478059.3	3748336.7	451.0
1.86 YES					4.00
L0002479	0	0.92230E-05	478067.8	3748336.8	451.0
1.86 YES					4.00
L0002480	0	0.92230E-05	478076.3	3748336.9	451.0
1.86 YES					4.00
L0002481	0	0.92230E-05	478084.8	3748337.0	451.0
1.86 YES					4.00
L0002482	0	0.92230E-05	478093.3	3748337.1	451.0
1.86 YES					4.00
L0002483	0	0.92230E-05	478101.8	3748337.2	451.0
1.86 YES					4.00
L0002484	0	0.92230E-05	478110.3	3748337.3	451.0
1.86 YES					4.00
L0002485	0	0.92230E-05	478118.8	3748337.4	451.0
1.86 YES					4.00
L0002486	0	0.92230E-05	478127.3	3748337.4	451.0
1.86 YES					4.00
L0002487	0	0.92230E-05	478135.8	3748337.5	451.0
1.86 YES					4.00
L0002488	0	0.92230E-05	478144.3	3748337.6	451.0
1.86 YES					4.00
L0002489	0	0.92230E-05	478152.8	3748337.7	451.0
1.86 YES					4.00
L0002490	0	0.92230E-05	478161.3	3748337.8	451.0
1.86 YES					4.00
L0002491	0	0.92230E-05	478169.8	3748337.9	451.0
					4.00

AERMOD LSTs Operational Output

1.86	YES							
L0002492		0	0.92230E-05	478178.3	3748338.0	451.0	4.00	3.95
1.86	YES							
L0002493		0	0.92230E-05	478186.8	3748338.1	451.0	4.00	3.95
1.86	YES							
L0002494		0	0.92230E-05	478195.3	3748338.2	451.0	4.00	3.95
1.86	YES							
L0002495		0	0.92230E-05	478203.8	3748338.3	451.0	4.00	3.95
1.86	YES							
L0002496		0	0.92230E-05	478212.3	3748338.4	451.0	4.00	3.95
1.86	YES							
L0002497		0	0.92230E-05	478215.8	3748343.4	451.0	4.00	3.95
1.86	YES							
L0002498		0	0.92230E-05	478215.9	3748351.9	451.0	4.00	3.95
1.86	YES							
L0002499		0	0.92230E-05	478216.0	3748360.4	451.0	4.00	3.95
1.86	YES							
L0002500		0	0.92230E-05	478216.0	3748368.9	451.0	4.00	3.95
1.86	YES							
L0002501		0	0.92230E-05	478216.1	3748377.4	451.0	4.00	3.95
1.86	YES							
L0002502		0	0.92230E-05	478216.1	3748385.9	451.0	4.00	3.95
1.86	YES							
L0002503		0	0.92230E-05	478216.2	3748394.4	451.0	4.00	3.95
1.86	YES							
L0002504		0	0.92230E-05	478216.3	3748402.9	451.0	4.00	3.95
1.86	YES							
L0002505		0	0.92230E-05	478216.3	3748411.4	451.0	4.00	3.95
1.86	YES							
L0002506		0	0.92230E-05	478216.4	3748419.9	451.0	4.00	3.95
1.86	YES							
L0002507		0	0.92230E-05	478216.4	3748428.4	451.0	4.00	3.95
1.86	YES							
L0002508		0	0.92230E-05	478216.5	3748436.9	451.0	4.00	3.95
1.86	YES							
L0002509		0	0.92230E-05	478216.6	3748445.4	451.0	4.00	3.95
1.86	YES							
L0002510		0	0.92230E-05	478216.6	3748453.9	451.0	4.00	3.95
1.86	YES							
L0002511		0	0.92230E-05	478216.7	3748462.4	451.0	4.00	3.95
1.86	YES							
L0002512		0	0.92230E-05	478216.7	3748470.9	451.1	4.00	3.95
1.86	YES							
L0002513		0	0.92230E-05	478216.8	3748479.4	451.2	4.00	3.95
1.86	YES							
L0002514		0	0.92230E-05	478216.9	3748487.9	451.3	4.00	3.95
1.86	YES							
L0002515		0	0.92230E-05	478216.9	3748496.4	451.5	4.00	3.95

AERMOD LSTs Operational Output

1.86 YES
L0002516 0 0.92230E-05 478217.0 3748504.9 451.7 4.00 3.95

1.86 YES
♀ *** AERMOD - VERSION 15181 *** *** C:\Lakes\AERMOD
View\MVL\OperationalLSTs\PM10\PM10.isc *** 11/03/15
*** AERMET - VERSION 14134 *** ***
*** 14:22:46

**MODELOPTs: RegDFAULT CONC PAGE 8
ELEV FLGPOL URBAN

*** VOLUME SOURCE DATA ***

INIT.	URBAN	NUMBER EMISSION RATE	BASE	RELEASE	INIT.
SOURCE	EMISSION RATE				
SZ	SCALAR VARY	X	Y	ELEV.	HEIGHT
ID	CATS.	(METERS)	(METERS)	(METERS)	(METERS)
(METERS)	BY				(METERS)

L0002517	0	0.92230E-05	478217.0	3748513.4	451.9	4.00	3.95
1.86 YES							
L0002518	0	0.92230E-05	478217.1	3748521.9	452.0	4.00	3.95
1.86 YES							
L0002519	0	0.92230E-05	478217.2	3748530.4	452.0	4.00	3.95
1.86 YES							
L0002520	0	0.92230E-05	478217.2	3748538.9	452.0	4.00	3.95
1.86 YES							
L0002521	0	0.92230E-05	478217.3	3748547.4	452.0	4.00	3.95
1.86 YES							
L0002522	0	0.92230E-05	478217.3	3748555.9	452.0	4.00	3.95
1.86 YES							
L0002523	0	0.92230E-05	478217.4	3748564.4	452.0	4.00	3.95
1.86 YES							
L0002524	0	0.92230E-05	478217.5	3748572.9	452.0	4.00	3.95
1.86 YES							
L0002525	0	0.92230E-05	478217.5	3748581.4	452.0	4.00	3.95
1.86 YES							
L0002526	0	0.92230E-05	478217.6	3748589.9	452.0	4.00	3.95
1.86 YES							
L0002527	0	0.92230E-05	478217.7	3748598.4	452.0	4.00	3.95
1.86 YES							
L0002528	0	0.92230E-05	478217.7	3748606.9	452.0	4.00	3.95
1.86 YES							
L0002529	0	0.92230E-05	478217.8	3748615.4	452.0	4.00	3.95

AERMOD LSTs Operational Output

1.86	YES							
L0002530		0	0.92230E-05	478217.8	3748623.9	452.0	4.00	3.95
1.86	YES							
L0002531		0	0.92230E-05	478217.9	3748632.4	452.0	4.00	3.95
1.86	YES							
L0002532		0	0.92230E-05	478218.0	3748640.9	452.0	4.00	3.95
1.86	YES							
L0002533		0	0.92230E-05	478218.0	3748649.4	452.0	4.00	3.95
1.86	YES							
L0002534		0	0.92230E-05	478218.1	3748657.9	452.0	4.00	3.95
1.86	YES							
L0002535		0	0.92230E-05	478218.1	3748666.4	452.0	4.00	3.95
1.86	YES							
L0002536		0	0.92230E-05	478218.2	3748674.9	452.0	4.00	3.95
1.86	YES							
L0002537		0	0.92230E-05	478218.3	3748683.4	452.0	4.00	3.95
1.86	YES							
L0002538		0	0.92230E-05	478218.3	3748691.9	452.0	4.00	3.95
1.86	YES							
L0002539		0	0.92230E-05	478218.4	3748700.4	452.0	4.00	3.95
1.86	YES							
L0002540		0	0.92230E-05	478218.4	3748708.9	452.0	4.00	3.95
1.86	YES							
L0002541		0	0.92230E-05	478218.5	3748717.4	452.0	4.00	3.95
1.86	YES							
L0002542		0	0.92230E-05	478218.6	3748725.9	452.0	4.00	3.95
1.86	YES							
L0002543		0	0.92230E-05	478218.6	3748734.4	452.0	4.00	3.95
1.86	YES							
L0002544		0	0.92230E-05	478218.7	3748742.9	452.0	4.00	3.95
1.86	YES							
L0002545		0	0.92230E-05	478218.7	3748751.4	452.0	4.00	3.95
1.86	YES							
L0002546		0	0.92230E-05	478218.8	3748759.9	452.0	4.00	3.95
1.86	YES							
L0002547		0	0.92230E-05	478218.9	3748768.4	452.0	4.00	3.95
1.86	YES							
L0002548		0	0.92230E-05	478218.9	3748776.9	452.0	4.00	3.95
1.86	YES							
L0002549		0	0.92230E-05	478219.0	3748785.4	452.0	4.00	3.95
1.86	YES							
L0002550		0	0.92230E-05	478219.0	3748793.9	452.2	4.00	3.95
1.86	YES							
L0002551		0	0.92230E-05	478219.1	3748802.4	452.5	4.00	3.95
1.86	YES							
L0002552		0	0.92230E-05	478219.2	3748810.9	452.8	4.00	3.95
1.86	YES							
L0002553		0	0.92230E-05	478219.2	3748819.4	453.0	4.00	3.95

AERMOD LSTs Operational Output

1.86	YES							
L0002554		0	0.92230E-05	478219.3	3748827.9	453.0	4.00	3.95
1.86	YES							
L0002555		0	0.92230E-05	478219.3	3748836.4	453.0	4.00	3.95
1.86	YES							
L0002556		0	0.92230E-05	478219.4	3748844.9	453.0	4.00	3.95

1.86 YES
 ♀ *** AERMOD - VERSION 15181 *** *** C:\Lakes\AERMOD
 View\MVL\OperationalLSTs\PM10\PM10.isc *** 11/03/15
 *** AERMET - VERSION 14134 *** ***
 *** 14:22:46

***MODELOPTs: RegDFAULT CONC PAGE 9
 ELEV FLGPOL URBAN

*** VOLUME SOURCE DATA ***

INIT.	URBAN	NUMBER	EMISSION	RATE		BASE	RELEASE	INIT.
SOURCE		EMISSION	RATE					
SZ	SOURCE	PART.	(GRAMS/SEC)	X	Y	ELEV.	HEIGHT	SY
ID		SCALAR	VARY					
(METERS)		CATS.	BY	(METERS)	(METERS)	(METERS)	(METERS)	(METERS)

L0002557		0	0.92230E-05	478219.5	3748853.4	453.0	4.00	3.95
1.86	YES							
L0002558		0	0.92230E-05	478219.5	3748861.9	453.0	4.00	3.95
1.86	YES							
L0002559		0	0.92230E-05	478219.6	3748870.4	453.0	4.00	3.95
1.86	YES							
L0002560		0	0.92230E-05	478219.6	3748878.9	453.0	4.00	3.95
1.86	YES							
L0002561		0	0.92230E-05	478219.7	3748887.4	453.0	4.00	3.95
1.86	YES							
L0002562		0	0.92230E-05	478219.8	3748895.9	453.0	4.00	3.95
1.86	YES							
L0002563		0	0.92230E-05	478219.8	3748904.4	453.0	4.00	3.95
1.86	YES							
L0002564		0	0.92230E-05	478219.9	3748912.9	453.0	4.00	3.95
1.86	YES							
L0002565		0	0.92230E-05	478217.5	3748921.1	453.0	4.00	3.95
1.86	YES							
L0002566		0	0.92230E-05	478215.0	3748929.2	453.0	4.00	3.95
1.86	YES							
L0002567		0	0.92230E-05	478212.6	3748937.3	453.0	4.00	3.95

AERMOD LSTs Operational Output

1.86	YES							
L0002568		0	0.92230E-05	478210.1	3748945.4	453.0	4.00	3.95
1.86	YES							
L0002569		0	0.92230E-05	478207.6	3748953.6	453.0	4.00	3.95
1.86	YES							
L0002570		0	0.92230E-05	478205.1	3748961.7	453.0	4.00	3.95
1.86	YES							
L0002571		0	0.92230E-05	478202.7	3748969.8	453.0	4.00	3.95
1.86	YES							
L0002572		0	0.19640E-05	477852.8	3748835.2	453.0	4.00	3.95
1.86	YES							
L0002573		0	0.19640E-05	477852.8	3748843.7	453.0	4.00	3.95
1.86	YES							
L0002574		0	0.19640E-05	477852.9	3748852.2	453.0	4.00	3.95
1.86	YES							
L0002575		0	0.19640E-05	477852.9	3748860.7	453.0	4.00	3.95
1.86	YES							
L0002576		0	0.19640E-05	477853.0	3748869.2	453.0	4.00	3.95
1.86	YES							
L0002577		0	0.19640E-05	477853.0	3748877.7	453.0	4.00	3.95
1.86	YES							
L0002578		0	0.19640E-05	477853.1	3748886.2	453.0	4.00	3.95
1.86	YES							
L0002579		0	0.19640E-05	477853.1	3748894.7	453.0	4.00	3.95
1.86	YES							
L0002580		0	0.19640E-05	477853.1	3748903.2	453.0	4.00	3.95
1.86	YES							
L0002581		0	0.19640E-05	477853.2	3748911.7	453.0	4.00	3.95
1.86	YES							
L0002582		0	0.19640E-05	477853.2	3748920.2	453.0	4.00	3.95
1.86	YES							
L0002583		0	0.19640E-05	477853.3	3748928.7	453.0	4.00	3.95
1.86	YES							
L0002584		0	0.19640E-05	477853.3	3748937.2	453.0	4.00	3.95
1.86	YES							
L0002585		0	0.19640E-05	477853.4	3748945.7	453.0	4.00	3.95
1.86	YES							
L0002586		0	0.19640E-05	477853.4	3748954.2	453.0	4.00	3.95
1.86	YES							
L0002587		0	0.19640E-05	477853.5	3748962.7	453.0	4.00	3.95
1.86	YES							
L0002588		0	0.19640E-05	477853.5	3748971.2	453.2	4.00	3.95
1.86	YES							
L0002589		0	0.19640E-05	477853.5	3748979.7	453.4	4.00	3.95
1.86	YES							
L0002590		0	0.19640E-05	477845.0	3748979.7	453.5	4.00	3.95
1.86	YES							
L0002591		0	0.19640E-05	477836.5	3748979.6	453.7	4.00	3.95

AERMOD LSTs Operational Output

1.86	YES							
L0002592		0	0.19640E-05	477828.0	3748979.6	453.9	4.00	3.95
1.86	YES							
L0002593		0	0.19640E-05	477819.5	3748979.6	454.0	4.00	3.95
1.86	YES							
L0002594		0	0.19640E-05	477811.0	3748979.6	454.0	4.00	3.95
1.86	YES							
L0002595		0	0.19640E-05	477802.5	3748979.6	454.0	4.00	3.95
1.86	YES							
L0002596		0	0.19640E-05	477794.0	3748979.5	454.0	4.00	3.95

1.86 YES
 ♀ *** AERMOD - VERSION 15181 *** *** C:\Lakes\AERMOD
 View\MVL\OperationalLSTs\PM10\PM10.isc *** 11/03/15
 *** AERMET - VERSION 14134 *** ***
 *** 14:22:46

***MODELOPTs: RegDFAULT CONC PAGE 10
 ELEV FLGPOL URBAN

*** VOLUME SOURCE DATA ***

INIT.	URBAN	NUMBER	EMISSION	RATE		BASE	RELEASE	INIT.
SOURCE		EMISSION	RATE					
SZ	SOURCE	PART.	(GRAMS/SEC)	X	Y	ELEV.	HEIGHT	SY
ID		SCALAR	VARY					
(METERS)		CATS.	BY	(METERS)	(METERS)	(METERS)	(METERS)	(METERS)

L0002597		0	0.19640E-05	477785.5	3748979.5	454.0	4.00	3.95
1.86	YES							
L0002598		0	0.19640E-05	477777.0	3748979.5	454.0	4.00	3.95
1.86	YES							
L0002599		0	0.19640E-05	477768.5	3748979.5	454.0	4.00	3.95
1.86	YES							
L0002600		0	0.19640E-05	477760.0	3748979.5	454.0	4.00	3.95
1.86	YES							
L0002601		0	0.19640E-05	477751.5	3748979.4	454.0	4.00	3.95
1.86	YES							
L0002602		0	0.19640E-05	477743.0	3748979.4	454.0	4.00	3.95
1.86	YES							
L0002603		0	0.19640E-05	477742.7	3748971.2	454.0	4.00	3.95
1.86	YES							
L0002604		0	0.19640E-05	477742.7	3748962.7	454.0	4.00	3.95
1.86	YES							
L0002605		0	0.19640E-05	477742.6	3748954.2	454.0	4.00	3.95

AERMOD LSTs Operational Output

1.86	YES							
L0002606		0	0.19640E-05	477742.6	3748945.7	454.0	4.00	3.95
1.86	YES							
L0002607		0	0.19640E-05	477742.5	3748937.2	454.0	4.00	3.95
1.86	YES							
L0002608		0	0.19640E-05	477742.5	3748928.7	453.9	4.00	3.95
1.86	YES							
L0002609		0	0.19640E-05	477742.4	3748920.2	453.8	4.00	3.95
1.86	YES							
L0002610		0	0.19640E-05	477742.4	3748911.7	453.7	4.00	3.95
1.86	YES							
L0002611		0	0.19640E-05	477742.3	3748903.2	453.6	4.00	3.95
1.86	YES							
L0002612		0	0.19640E-05	477742.3	3748894.7	453.6	4.00	3.95
1.86	YES							
L0002613		0	0.19640E-05	477742.2	3748886.2	453.6	4.00	3.95
1.86	YES							
L0002614		0	0.19640E-05	477744.2	3748878.0	453.5	4.00	3.95
1.86	YES							
L0002615		0	0.19640E-05	477746.5	3748869.8	453.6	4.00	3.95
1.86	YES							
L0002616		0	0.19640E-05	477748.8	3748861.6	453.7	4.00	3.95
1.86	YES							
L0002617		0	0.19640E-05	477751.1	3748853.4	453.8	4.00	3.95
1.86	YES							
L0002618		0	0.19640E-05	477753.4	3748845.3	454.0	4.00	3.95
1.86	YES							
L0002619		0	0.19640E-05	477757.5	3748838.2	453.7	4.00	3.95
1.86	YES							
L0002620		0	0.19640E-05	477763.8	3748832.5	453.5	4.00	3.95
1.86	YES							
L0002621		0	0.19640E-05	477770.1	3748826.8	453.2	4.00	3.95
1.86	YES							
L0002622		0	0.19640E-05	477778.6	3748826.5	453.1	4.00	3.95
1.86	YES							
L0002623		0	0.19640E-05	477787.1	3748826.4	453.0	4.00	3.95
1.86	YES							
L0002624		0	0.19640E-05	477795.6	3748826.2	453.0	4.00	3.95
1.86	YES							
L0002625		0	0.19640E-05	477804.1	3748826.1	453.0	4.00	3.95
1.86	YES							
L0002626		0	0.19640E-05	477812.6	3748826.1	453.0	4.00	3.95
1.86	YES							
L0002627		0	0.19640E-05	477821.1	3748826.0	453.0	4.00	3.95
1.86	YES							
L0002628		0	0.19640E-05	477829.6	3748826.0	453.0	4.00	3.95
1.86	YES							
L0002629		0	0.19640E-05	477838.1	3748825.9	453.0	4.00	3.95

AERMOD LSTs Operational Output

1.86	YES							
L0002630		0	0.19640E-05	477846.6	3748825.8	453.0	4.00	3.95
1.86	YES							
L0002631		0	0.15470E-05	477886.6	3748203.7	450.0	4.00	3.95
1.86	YES							
L0002632		0	0.15470E-05	477886.4	3748212.2	450.0	4.00	3.95
1.86	YES							
L0002633		0	0.15470E-05	477886.3	3748220.7	450.1	4.00	3.95
1.86	YES							
L0002634		0	0.15470E-05	477886.1	3748229.2	450.3	4.00	3.95
1.86	YES							
L0002635		0	0.15470E-05	477885.9	3748237.7	450.6	4.00	3.95
1.86	YES							
L0002636		0	0.15470E-05	477885.7	3748246.2	450.8	4.00	3.95

1.86 YES
 ♀ *** AERMOD - VERSION 15181 *** *** C:\Lakes\AERMOD
 View\MVL\OperationalLSTs\PM10\PM10.isc *** 11/03/15
 *** AERMET - VERSION 14134 *** ***
 *** 14:22:46

PAGE 11
 **MODELOPTs: RegDFAULT CONC ELEV FLGPOL URBAN

*** VOLUME SOURCE DATA ***

INIT.	URBAN	NUMBER	EMISSION	RATE		BASE	RELEASE	INIT.
SOURCE		EMISSION	RATE					
SZ	SOURCE	PART.	(GRAMS/SEC)	X	Y	ELEV.	HEIGHT	SY
ID		SCALAR	VARY					
(METERS)		CATS.	BY	(METERS)	(METERS)	(METERS)	(METERS)	(METERS)

L0002637		0	0.15470E-05	477885.5	3748254.7	450.9	4.00	3.95
1.86	YES							
L0002638		0	0.15470E-05	477885.6	3748263.2	450.9	4.00	3.95
1.86	YES							
L0002639		0	0.15470E-05	477885.7	3748271.7	451.0	4.00	3.95
1.86	YES							
L0002640		0	0.15470E-05	477885.8	3748280.2	451.0	4.00	3.95
1.86	YES							
L0002641		0	0.15470E-05	477885.9	3748288.7	451.0	4.00	3.95
1.86	YES							
L0002642		0	0.15470E-05	477886.0	3748297.2	451.0	4.00	3.95
1.86	YES							
L0002643		0	0.15470E-05	477886.1	3748305.7	451.0	4.00	3.95

AERMOD LSTs Operational Output

1.86	YES							
L0002644		0	0.15470E-05	477886.2	3748314.2	451.0	4.00	3.95
1.86	YES							
L0002645		0	0.15470E-05	477886.3	3748322.7	451.0	4.00	3.95
1.86	YES							
L0002646		0	0.15470E-05	477886.4	3748331.2	451.0	4.00	3.95
1.86	YES							
L0002647		0	0.15470E-05	477889.0	3748337.4	451.0	4.00	3.95
1.86	YES							
L0002648		0	0.15470E-05	477897.5	3748338.1	451.0	4.00	3.95
1.86	YES							
L0002649		0	0.15470E-05	477906.0	3748338.9	451.0	4.00	3.95
1.86	YES							
L0002650		0	0.15470E-05	477914.4	3748339.7	451.0	4.00	3.95
1.86	YES							
L0002651		0	0.15470E-05	477922.9	3748339.5	451.0	4.00	3.95
1.86	YES							
L0002652		0	0.15470E-05	477931.4	3748338.9	451.0	4.00	3.95
1.86	YES							
L0002653		0	0.15470E-05	477939.8	3748338.2	451.0	4.00	3.95
1.86	YES							
L0002654		0	0.15470E-05	477945.5	3748332.6	451.0	4.00	3.95
1.86	YES							
L0002655		0	0.15470E-05	477950.6	3748325.7	451.0	4.00	3.95
1.86	YES							
L0002656		0	0.15470E-05	477955.0	3748318.5	450.0	4.00	3.95
1.86	YES							
L0002657		0	0.15470E-05	477959.4	3748311.2	450.0	4.00	3.95
1.86	YES							
L0002658		0	0.15470E-05	477963.8	3748303.9	450.0	4.00	3.95
1.86	YES							
L0002659		0	0.15470E-05	477968.2	3748296.7	450.0	4.00	3.95
1.86	YES							
L0002660		0	0.15470E-05	477972.6	3748289.4	450.0	4.00	3.95
1.86	YES							
L0002661		0	0.15470E-05	477975.8	3748281.7	450.0	4.00	3.95
1.86	YES							
L0002662		0	0.15470E-05	477977.7	3748273.4	450.0	4.00	3.95
1.86	YES							
L0002663		0	0.15470E-05	477979.6	3748265.1	450.0	4.00	3.95
1.86	YES							
L0002664		0	0.15470E-05	477981.3	3748256.8	450.0	4.00	3.95
1.86	YES							
L0002665		0	0.15470E-05	477980.6	3748248.3	450.0	4.00	3.95
1.86	YES							
L0002666		0	0.15470E-05	477979.9	3748239.8	450.0	4.00	3.95
1.86	YES							
L0002667		0	0.15470E-05	477979.2	3748231.4	450.0	4.00	3.95

AERMOD LSTs Operational Output

1.86	YES							
L0002668		0	0.15470E-05	477978.4	3748222.9	450.0	4.00	3.95
1.86	YES							
L0002669		0	0.15470E-05	477982.6	3748217.0	450.0	4.00	3.95
1.86	YES							
L0002670		0	0.15470E-05	477990.0	3748212.7	450.0	4.00	3.95
1.86	YES							
L0002671		0	0.15470E-05	477994.0	3748206.5	450.0	4.00	3.95
1.86	YES							
L0002672		0	0.15470E-05	477994.1	3748198.0	450.0	4.00	3.95
1.86	YES							
L0002673		0	0.15470E-05	477986.1	3748197.5	450.0	4.00	3.95
1.86	YES							
L0002674		0	0.15470E-05	477977.6	3748197.5	450.0	4.00	3.95
1.86	YES							
L0002675		0	0.15470E-05	477969.1	3748197.5	450.0	4.00	3.95
1.86	YES							
L0002676		0	0.15470E-05	477960.6	3748197.5	450.0	4.00	3.95
1.86	YES							

♀ *** AERMOD - VERSION 15181 *** C:\Lakes\AERMOD
 View\MVL\OperationalLSTs\PM10\PM10.isc *** 11/03/15
 *** AERMET - VERSION 14134 ***
 *** 14:22:46

**MODELOPTs: RegDFAULT CONC PAGE 12
 ELEV FLGPOL URBAN

*** VOLUME SOURCE DATA ***

INIT.	URBAN	NUMBER EMISSION RATE	BASE	RELEASE	INIT.
SOURCE	EMISSION RATE				
SZ	PART. (GRAMS/SEC)	X	Y	ELEV.	HEIGHT
ID	SCALAR VARY	(METERS)	(METERS)	(METERS)	(METERS)
(METERS)	CATS.	BY			

L0002677	0	0.15470E-05	477952.1	3748197.5	450.0	4.00	3.95
1.86	YES						
L0002678	0	0.15470E-05	477943.6	3748197.5	450.0	4.00	3.95
1.86	YES						
L0002679	0	0.15470E-05	477935.1	3748197.5	450.0	4.00	3.95
1.86	YES						
L0002680	0	0.26400E-05	477505.1	3748975.7	454.2	4.00	3.95
1.86	YES						
L0002681	0	0.26400E-05	477513.6	3748975.6	454.1	4.00	3.95

AERMOD LSTs Operational Output

1.86	YES							
L0002682		0	0.26400E-05	477522.1	3748975.4	454.0	4.00	3.95
1.86	YES							
L0002683		0	0.26400E-05	477530.6	3748975.2	454.0	4.00	3.95
1.86	YES							
L0002684		0	0.26400E-05	477539.1	3748975.1	454.0	4.00	3.95
1.86	YES							
L0002685		0	0.26400E-05	477547.6	3748974.9	454.0	4.00	3.95
1.86	YES							
L0002686		0	0.26400E-05	477556.1	3748974.7	454.0	4.00	3.95
1.86	YES							
L0002687		0	0.26400E-05	477564.6	3748974.6	454.0	4.00	3.95
1.86	YES							
L0002688		0	0.26400E-05	477573.1	3748974.4	454.0	4.00	3.95
1.86	YES							
L0002689		0	0.26400E-05	477581.6	3748974.2	454.0	4.00	3.95
1.86	YES							
L0002690		0	0.26400E-05	477590.1	3748974.1	454.0	4.00	3.95
1.86	YES							
L0002691		0	0.26400E-05	477598.5	3748973.8	454.0	4.00	3.95
1.86	YES							
L0002692		0	0.26400E-05	477605.4	3748968.8	454.0	4.00	3.95
1.86	YES							
L0002693		0	0.26400E-05	477611.1	3748963.0	454.0	4.00	3.95
1.86	YES							
L0002694		0	0.26400E-05	477613.4	3748954.9	454.0	4.00	3.95
1.86	YES							
L0002695		0	0.26400E-05	477615.7	3748946.7	454.0	4.00	3.95
1.86	YES							
L0002696		0	0.26400E-05	477618.0	3748938.5	454.0	4.00	3.95
1.86	YES							
L0002697		0	0.26400E-05	477620.0	3748930.2	454.0	4.00	3.95
1.86	YES							
L0002698		0	0.26400E-05	477621.7	3748921.9	454.0	4.00	3.95
1.86	YES							
L0002699		0	0.26400E-05	477623.4	3748913.6	454.0	4.00	3.95
1.86	YES							
L0002700		0	0.26400E-05	477625.1	3748905.3	454.0	4.00	3.95
1.86	YES							
L0002701		0	0.26400E-05	477626.2	3748896.9	454.0	4.00	3.95
1.86	YES							
L0002702		0	0.26400E-05	477626.4	3748888.4	454.0	4.00	3.95
1.86	YES							
L0002703		0	0.26400E-05	477626.5	3748879.9	454.0	4.00	3.95
1.86	YES							
L0002704		0	0.26400E-05	477626.6	3748871.4	454.0	4.00	3.95
1.86	YES							
L0002705		0	0.26400E-05	477626.7	3748862.9	454.0	4.00	3.95

AERMOD LSTs Operational Output

1.86	YES							
L0002706		0	0.26400E-05	477626.8	3748854.4	454.0	4.00	3.95
1.86	YES							
L0002707		0	0.26400E-05	477626.9	3748845.9	454.0	4.00	3.95
1.86	YES							
L0002708		0	0.26400E-05	477627.0	3748837.4	454.0	4.00	3.95
1.86	YES							
L0002709		0	0.26400E-05	477627.1	3748828.9	454.0	4.00	3.95
1.86	YES							
L0002710		0	0.26400E-05	477627.2	3748820.4	454.0	4.00	3.95
1.86	YES							
L0002711		0	0.26400E-05	477627.3	3748811.9	454.0	4.00	3.95
1.86	YES							
L0002712		0	0.26400E-05	477627.5	3748803.4	454.0	4.00	3.95
1.86	YES							
L0002713		0	0.26400E-05	477627.0	3748795.5	454.0	4.00	3.95
1.86	YES							
L0002714		0	0.26400E-05	477618.5	3748795.7	454.0	4.00	3.95
1.86	YES							
L0002715		0	0.26400E-05	477610.0	3748795.9	454.0	4.00	3.95
1.86	YES							
L0002716		0	0.26400E-05	477601.5	3748796.2	454.0	4.00	3.95

1.86 YES
 ♀ *** AERMOD - VERSION 15181 *** *** C:\Lakes\AERMOD
 View\MVL\OperationalLSTs\PM10\PM10.isc *** 11/03/15
 *** AERMET - VERSION 14134 *** ***
 *** 14:22:46

**MODELOPTs: RegDFAULT CONC PAGE 13
 ELEV FLGPOL URBAN

*** VOLUME SOURCE DATA ***

INIT.	URBAN	NUMBER	EMISSION	RATE		BASE	RELEASE	INIT.
INIT.	SOURCE	EMISSION	RATE			ELEV.	HEIGHT	SY
SZ	SOURCE	PART.	(GRAMS/SEC)	X	Y	ELEV.	HEIGHT	SY
ID		SCALAR	VARY			(METERS)	(METERS)	(METERS)
(METERS)		CATS.	BY	(METERS)	(METERS)	(METERS)	(METERS)	(METERS)

L0002717		0	0.26400E-05	477593.0	3748796.4	454.0	4.00	3.95
1.86	YES							
L0002718		0	0.26400E-05	477584.5	3748796.6	454.0	4.00	3.95
1.86	YES							
L0002719		0	0.26400E-05	477576.0	3748796.9	454.0	4.00	3.95

AERMOD LSTs Operational Output

1.86	YES							
L0002720		0	0.26400E-05	477567.5	3748797.1	454.0	4.00	3.95
1.86	YES							
L0002721		0	0.26400E-05	477559.0	3748797.3	454.0	4.00	3.95
1.86	YES							
L0002722		0	0.26400E-05	477550.5	3748797.5	454.0	4.00	3.95
1.86	YES							
L0002723		0	0.26400E-05	477542.0	3748797.8	454.0	4.00	3.95
1.86	YES							
L0002724		0	0.26400E-05	477533.5	3748798.0	454.0	4.00	3.95
1.86	YES							
L0002725		0	0.26400E-05	477525.0	3748798.2	454.0	4.00	3.95
1.86	YES							
L0002726		0	0.26400E-05	477516.5	3748798.5	454.0	4.00	3.95
1.86	YES							
L0002727		0	0.26400E-05	477508.0	3748798.7	454.0	4.00	3.95
1.86	YES							
L0002728		0	0.26400E-05	477499.5	3748798.9	454.0	4.00	3.95
1.86	YES							
L0002729		0	0.26400E-05	477491.0	3748799.2	454.0	4.00	3.95
1.86	YES							
L0002730		0	0.12830E-05	477922.3	3748920.1	453.0	0.00	3.95
1.40	YES							
L0002731		0	0.12830E-05	477921.9	3748928.6	453.0	0.00	3.95
1.40	YES							
L0002732		0	0.12830E-05	477921.5	3748937.1	453.0	0.00	3.95
1.40	YES							
L0002733		0	0.12830E-05	477921.1	3748945.6	453.0	0.00	3.95
1.40	YES							
L0002734		0	0.12830E-05	477920.7	3748954.1	453.0	0.00	3.95
1.40	YES							
L0002735		0	0.12830E-05	477927.7	3748955.6	453.0	0.00	3.95
1.40	YES							
L0002736		0	0.12830E-05	477936.2	3748955.6	453.0	0.00	3.95
1.40	YES							
L0002737		0	0.12830E-05	477944.7	3748955.7	453.0	0.00	3.95
1.40	YES							
L0002738		0	0.12830E-05	477953.2	3748955.7	453.0	0.00	3.95
1.40	YES							
L0002739		0	0.12830E-05	477961.7	3748955.8	453.0	0.00	3.95
1.40	YES							
L0002740		0	0.12830E-05	477970.2	3748955.8	453.0	0.00	3.95
1.40	YES							
L0002741		0	0.12830E-05	477978.7	3748955.9	453.0	0.00	3.95
1.40	YES							
L0002742		0	0.12830E-05	477987.2	3748955.9	453.0	0.00	3.95
1.40	YES							
L0002743		0	0.12830E-05	477995.7	3748956.0	453.0	0.00	3.95

AERMOD LSTs Operational Output

1.40	YES							
L0002744		0	0.12830E-05	478004.2	3748956.1	453.0	0.00	3.95
1.40	YES							
L0002745		0	0.12830E-05	478012.7	3748956.1	453.0	0.00	3.95
1.40	YES							
L0002746		0	0.12830E-05	478021.2	3748956.2	453.0	0.00	3.95
1.40	YES							
L0002747		0	0.12830E-05	478029.7	3748956.2	453.0	0.00	3.95
1.40	YES							
L0002748		0	0.12830E-05	478038.2	3748956.3	453.0	0.00	3.95
1.40	YES							
L0002749		0	0.12830E-05	478046.7	3748956.3	453.0	0.00	3.95
1.40	YES							
L0002750		0	0.12830E-05	478055.2	3748956.4	453.0	0.00	3.95
1.40	YES							
L0002751		0	0.12830E-05	478063.7	3748956.4	453.0	0.00	3.95
1.40	YES							
L0002752		0	0.12830E-05	478072.2	3748956.5	453.0	0.00	3.95
1.40	YES							
L0002753		0	0.12830E-05	478080.7	3748956.5	453.0	0.00	3.95
1.40	YES							
L0002754		0	0.12830E-05	478089.2	3748956.6	453.0	0.00	3.95
1.40	YES							
L0002755		0	0.12830E-05	478097.7	3748956.6	453.0	0.00	3.95
1.40	YES							
L0002756		0	0.12830E-05	478106.2	3748956.7	453.0	0.00	3.95

1.40 YES
 *** AERMOD - VERSION 15181 *** C:\Lakes\AERMOD
 View\MVL\OperationalLSTs\PM10\PM10.isc *** 11/03/15
 *** AERMET - VERSION 14134 ***
 *** 14:22:46

***MODELOPTs: RegDFAULT CONC PAGE 14
 ELEV FLGPOL URBAN

*** VOLUME SOURCE DATA ***

INIT.	URBAN	NUMBER EMISSION RATE	BASE	RELEASE	INIT.
SOURCE	EMISSION RATE				
SZ	PART. (GRAMS/SEC)	X	Y	ELEV.	HEIGHT
ID	SCALAR VARY	(METERS)	(METERS)	(METERS)	(METERS)
(METERS)	CATS.	BY			SY
L0002757	0	0.12830E-05	478114.7	3748956.7	453.0
					0.00
					3.95

AERMOD LSTs Operational Output

1.40	YES							
L0002758		0	0.12830E-05	478123.2	3748956.8	453.0	0.00	3.95
1.40	YES							
L0002759		0	0.12830E-05	478131.7	3748956.8	453.0	0.00	3.95
1.40	YES							
L0002760		0	0.12830E-05	478140.2	3748956.9	453.0	0.00	3.95
1.40	YES							
L0002761		0	0.12830E-05	478148.7	3748956.9	453.0	0.00	3.95
1.40	YES							
L0002762		0	0.12830E-05	478157.2	3748957.0	453.0	0.00	3.95
1.40	YES							
L0002763		0	0.12830E-05	478165.7	3748957.0	453.0	0.00	3.95
1.40	YES							
L0002764		0	0.12830E-05	478174.2	3748957.1	453.0	0.00	3.95
1.40	YES							
L0002765		0	0.12830E-05	478182.7	3748957.1	453.0	0.00	3.95
1.40	YES							
L0002766		0	0.12830E-05	478191.2	3748957.2	453.0	0.00	3.95
1.40	YES							
L0002767		0	0.12830E-05	478199.7	3748957.2	453.0	0.00	3.95
1.40	YES							
L0002768		0	0.12830E-05	478208.2	3748957.3	453.0	0.00	3.95
1.40	YES							
L0002769		0	0.12830E-05	478216.7	3748957.3	453.0	0.00	3.95
1.40	YES							
L0002770		0	0.12830E-05	478225.0	3748957.2	453.0	0.00	3.95
1.40	YES							
L0002771		0	0.12830E-05	478225.0	3748948.7	453.0	0.00	3.95
1.40	YES							
L0002772		0	0.12830E-05	478225.0	3748940.2	453.0	0.00	3.95
1.40	YES							
L0002773		0	0.12830E-05	478225.0	3748931.7	453.0	0.00	3.95
1.40	YES							
L0002774		0	0.12830E-05	478225.0	3748923.2	453.0	0.00	3.95
1.40	YES							
L0002775		0	0.48490E-06	477922.3	3748920.1	453.0	0.00	3.95
1.40	YES							
L0002776		0	0.48490E-06	477921.9	3748928.6	453.0	0.00	3.95
1.40	YES							
L0002777		0	0.48490E-06	477921.5	3748937.1	453.0	0.00	3.95
1.40	YES							
L0002778		0	0.48490E-06	477921.1	3748945.6	453.0	0.00	3.95
1.40	YES							
L0002779		0	0.48490E-06	477920.7	3748954.1	453.0	0.00	3.95
1.40	YES							
L0002780		0	0.48490E-06	477927.7	3748955.6	453.0	0.00	3.95
1.40	YES							
L0002781		0	0.48490E-06	477936.2	3748955.6	453.0	0.00	3.95

AERMOD LSTs Operational Output

1.40	YES							
L0002782		0	0.48490E-06	477944.7	3748955.7	453.0	0.00	3.95
1.40	YES							
L0002783		0	0.48490E-06	477953.2	3748955.7	453.0	0.00	3.95
1.40	YES							
L0002784		0	0.48490E-06	477961.7	3748955.8	453.0	0.00	3.95
1.40	YES							
L0002785		0	0.48490E-06	477970.2	3748955.8	453.0	0.00	3.95
1.40	YES							
L0002786		0	0.48490E-06	477978.7	3748955.9	453.0	0.00	3.95
1.40	YES							
L0002787		0	0.48490E-06	477987.2	3748955.9	453.0	0.00	3.95
1.40	YES							
L0002788		0	0.48490E-06	477995.7	3748956.0	453.0	0.00	3.95
1.40	YES							
L0002789		0	0.48490E-06	478004.2	3748956.1	453.0	0.00	3.95
1.40	YES							
L0002790		0	0.48490E-06	478012.7	3748956.1	453.0	0.00	3.95
1.40	YES							
L0002791		0	0.48490E-06	478021.2	3748956.2	453.0	0.00	3.95
1.40	YES							
L0002792		0	0.48490E-06	478029.7	3748956.2	453.0	0.00	3.95
1.40	YES							
L0002793		0	0.48490E-06	478038.2	3748956.3	453.0	0.00	3.95
1.40	YES							
L0002794		0	0.48490E-06	478046.7	3748956.3	453.0	0.00	3.95
1.40	YES							
L0002795		0	0.48490E-06	478055.2	3748956.4	453.0	0.00	3.95
1.40	YES							
L0002796		0	0.48490E-06	478063.7	3748956.4	453.0	0.00	3.95

1.40 YES
 ♀ *** AERMOD - VERSION 15181 *** *** C:\Lakes\AERMOD
 View\MVL\OperationalLSTs\PM10\PM10.isc *** 11/03/15
 *** AERMET - VERSION 14134 *** ***
 *** 14:22:46

***MODELOPTs: RegDFAULT CONC PAGE 15
 ELEV FLGPOL URBAN

*** VOLUME SOURCE DATA ***

INIT.	URBAN	NUMBER EMISSION RATE	BASE	RELEASE	INIT.
SOURCE	SCALAR VARY	EMISSION RATE	ELEV.	HEIGHT	SY
SZ	ID	PART. (GRAMS/SEC)	(METERS)	(METERS)	(METERS)
(METERS)	CATS.	BY	(METERS)	(METERS)	(METERS)

AERMOD LSTs Operational Output

L0002797	0	0.48490E-06	478072.2	3748956.5	453.0	0.00	3.95
1.40 YES							
L0002798	0	0.48490E-06	478080.7	3748956.5	453.0	0.00	3.95
1.40 YES							
L0002799	0	0.48490E-06	478089.2	3748956.6	453.0	0.00	3.95
1.40 YES							
L0002800	0	0.48490E-06	478097.7	3748956.6	453.0	0.00	3.95
1.40 YES							
L0002801	0	0.48490E-06	478106.2	3748956.7	453.0	0.00	3.95
1.40 YES							
L0002802	0	0.48490E-06	478114.7	3748956.7	453.0	0.00	3.95
1.40 YES							
L0002803	0	0.48490E-06	478123.2	3748956.8	453.0	0.00	3.95
1.40 YES							
L0002804	0	0.48490E-06	478131.7	3748956.8	453.0	0.00	3.95
1.40 YES							
L0002805	0	0.48490E-06	478140.2	3748956.9	453.0	0.00	3.95
1.40 YES							
L0002806	0	0.48490E-06	478148.7	3748956.9	453.0	0.00	3.95
1.40 YES							
L0002807	0	0.48490E-06	478157.2	3748957.0	453.0	0.00	3.95
1.40 YES							
L0002808	0	0.48490E-06	478165.7	3748957.0	453.0	0.00	3.95
1.40 YES							
L0002809	0	0.48490E-06	478174.2	3748957.1	453.0	0.00	3.95
1.40 YES							
L0002810	0	0.48490E-06	478182.7	3748957.1	453.0	0.00	3.95
1.40 YES							
L0002811	0	0.48490E-06	478191.2	3748957.2	453.0	0.00	3.95
1.40 YES							
L0002812	0	0.48490E-06	478199.7	3748957.2	453.0	0.00	3.95
1.40 YES							
L0002813	0	0.48490E-06	478208.2	3748957.3	453.0	0.00	3.95
1.40 YES							
L0002814	0	0.48490E-06	478216.7	3748957.3	453.0	0.00	3.95
1.40 YES							
L0002815	0	0.48490E-06	478225.0	3748957.2	453.0	0.00	3.95
1.40 YES							
L0002816	0	0.48490E-06	478225.0	3748948.7	453.0	0.00	3.95
1.40 YES							
L0002817	0	0.48490E-06	478225.0	3748940.2	453.0	0.00	3.95
1.40 YES							
L0002818	0	0.48490E-06	478225.0	3748931.7	453.0	0.00	3.95
1.40 YES							
L0002819	0	0.48490E-06	478225.0	3748923.2	453.0	0.00	3.95

AERMOD LSTs Operational Output

1.40	YES							
L0002820		0	0.36090E-05	478177.4	3748323.4	450.0	0.00	3.95
1.40	YES							
L0002821		0	0.36090E-05	478185.9	3748323.1	450.0	0.00	3.95
1.40	YES							
L0002822		0	0.36090E-05	478194.4	3748322.8	450.0	0.00	3.95
1.40	YES							
L0002823		0	0.36090E-05	478202.9	3748322.5	450.0	0.00	3.95
1.40	YES							
L0002824		0	0.36090E-05	478211.4	3748322.2	450.0	0.00	3.95
1.40	YES							
L0002825		0	0.36090E-05	478219.9	3748321.9	450.0	0.00	3.95
1.40	YES							
L0002826		0	0.36090E-05	478228.4	3748321.6	450.0	0.00	3.95
1.40	YES							
L0002827		0	0.36090E-05	478236.6	3748321.6	450.0	0.00	3.95
1.40	YES							
L0002828		0	0.36090E-05	478236.2	3748330.0	451.0	0.00	3.95
1.40	YES							
L0002829		0	0.36090E-05	478235.7	3748338.5	451.0	0.00	3.95
1.40	YES							
L0002830		0	0.36090E-05	478235.3	3748347.0	451.0	0.00	3.95
1.40	YES							
L0002831		0	0.36090E-05	478234.8	3748355.5	451.0	0.00	3.95
1.40	YES							
L0002832		0	0.36090E-05	478234.4	3748364.0	451.0	0.00	3.95
1.40	YES							
L0002833		0	0.36090E-05	478233.9	3748372.5	451.0	0.00	3.95
1.40	YES							
L0002834		0	0.36090E-05	478233.5	3748381.0	451.0	0.00	3.95
1.40	YES							
L0002835		0	0.36090E-05	478233.0	3748389.5	451.0	0.00	3.95
1.40	YES							
L0002836		0	0.49830E-06	478177.4	3748323.4	450.0	0.00	3.95

1.40 YES
 *** AERMOD - VERSION 15181 *** C:\Lakes\AERMOD
 View\MVL\OperationalLSTs\PM10\PM10.isc *** 11/03/15
 *** AERMET - VERSION 14134 ***
 *** 14:22:46

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 **MODELOPTs: RegDFAULT CONC ELEV FLGPOL URBAN

*** VOLUME SOURCE DATA ***

INIT.	URBAN	NUMBER EMISSION RATE	EMISSION RATE	BASE	RELEASE	INIT.

AERMOD LSTs Operational Output							
SOURCE	PART.	(GRAMS/SEC)	X	Y	ELEV.	HEIGHT	SY
SZ	SCALAR	VARY					
ID	CATS.	BY	(METERS)	(METERS)	(METERS)	(METERS)	(METERS)
(METERS)							
L0002837	0	0.49830E-06	478185.9	3748323.1	450.0	0.00	3.95
1.40	YES						
L0002838	0	0.49830E-06	478194.4	3748322.8	450.0	0.00	3.95
1.40	YES						
L0002839	0	0.49830E-06	478202.9	3748322.5	450.0	0.00	3.95
1.40	YES						
L0002840	0	0.49830E-06	478211.4	3748322.2	450.0	0.00	3.95
1.40	YES						
L0002841	0	0.49830E-06	478219.9	3748321.9	450.0	0.00	3.95
1.40	YES						
L0002842	0	0.49830E-06	478228.4	3748321.6	450.0	0.00	3.95
1.40	YES						
L0002843	0	0.49830E-06	478236.6	3748321.6	450.0	0.00	3.95
1.40	YES						
L0002844	0	0.49830E-06	478236.2	3748330.0	451.0	0.00	3.95
1.40	YES						
L0002845	0	0.49830E-06	478235.7	3748338.5	451.0	0.00	3.95
1.40	YES						
L0002846	0	0.49830E-06	478235.3	3748347.0	451.0	0.00	3.95
1.40	YES						
L0002847	0	0.49830E-06	478234.8	3748355.5	451.0	0.00	3.95
1.40	YES						
L0002848	0	0.49830E-06	478234.4	3748364.0	451.0	0.00	3.95
1.40	YES						
L0002849	0	0.49830E-06	478233.9	3748372.5	451.0	0.00	3.95
1.40	YES						
L0002850	0	0.49830E-06	478233.5	3748381.0	451.0	0.00	3.95
1.40	YES						
L0002851	0	0.49830E-06	478233.0	3748389.5	451.0	0.00	3.95
1.40	YES						
L0002852	0	0.17780E-05	477744.0	3748980.7	454.0	0.00	3.95
1.40	YES						
L0002853	0	0.17780E-05	477752.5	3748980.8	454.0	0.00	3.95
1.40	YES						
L0002854	0	0.17780E-05	477761.0	3748980.8	454.0	0.00	3.95
1.40	YES						
L0002855	0	0.17780E-05	477769.5	3748980.9	454.0	0.00	3.95
1.40	YES						
L0002856	0	0.17780E-05	477777.9	3748981.0	454.0	0.00	3.95
1.40	YES						
L0002857	0	0.17780E-05	477786.4	3748981.0	454.0	0.00	3.95

AERMOD LSTs Operational Output

1.40	YES							
L0002858		0	0.17780E-05	477794.9	3748981.1	454.0	0.00	3.95
1.40	YES							
L0002859		0	0.17780E-05	477803.4	3748981.2	454.0	0.00	3.95
1.40	YES							
L0002860		0	0.17780E-05	477811.9	3748981.3	454.0	0.00	3.95
1.40	YES							
L0002861		0	0.17780E-05	477820.4	3748981.3	454.0	0.00	3.95
1.40	YES							
L0002862		0	0.17780E-05	477828.9	3748981.4	453.9	0.00	3.95
1.40	YES							
L0002863		0	0.17780E-05	477837.4	3748981.5	453.7	0.00	3.95
1.40	YES							
L0002864		0	0.17780E-05	477845.9	3748981.6	453.6	0.00	3.95
1.40	YES							
L0002865		0	0.17780E-05	477854.0	3748981.2	453.5	0.00	3.95
1.40	YES							
L0002866		0	0.17780E-05	477854.0	3748972.7	453.2	0.00	3.95
1.40	YES							
L0002867		0	0.17780E-05	477853.9	3748964.2	453.0	0.00	3.95
1.40	YES							
L0002868		0	0.17780E-05	477853.8	3748955.7	453.0	0.00	3.95
1.40	YES							
L0002869		0	0.17780E-05	477853.7	3748947.2	453.0	0.00	3.95
1.40	YES							
L0002870		0	0.17780E-05	477853.6	3748938.7	453.0	0.00	3.95
1.40	YES							
L0002871		0	0.17780E-05	477853.5	3748930.2	453.0	0.00	3.95
1.40	YES							
L0002872		0	0.17780E-05	477853.4	3748921.7	453.0	0.00	3.95
1.40	YES							
L0002873		0	0.17780E-05	477853.4	3748913.2	453.0	0.00	3.95
1.40	YES							
L0002874		0	0.17780E-05	477853.3	3748904.7	453.0	0.00	3.95
1.40	YES							
L0002875		0	0.17780E-05	477853.2	3748896.2	453.0	0.00	3.95
1.40	YES							
L0002876		0	0.17780E-05	477853.1	3748887.7	453.0	0.00	3.95

1.40 YES
 *** AERMOD - VERSION 15181 *** C:\Lakes\AERMOD
 View\MVL\OperationalLSTs\PM10\PM10.isc *** 11/03/15
 *** AERMET - VERSION 14134 ***
 *** 14:22:46

***MODELOPTs: RegDFAULT CONC PAGE 17
 ELEV FLGPOL URBAN

AERMOD LSTs Operational Output

*** VOLUME SOURCE DATA ***

INIT.	URBAN	NUMBER	EMISSION	RATE		BASE	RELEASE	INIT.
SOURCE		EMISSION	RATE					
SZ	SOURCE	PART.	(GRAMS/SEC)	X	Y	ELEV.	HEIGHT	SY
ID		SCALAR	VARY					
(METERS)		CATS.	BY	(METERS)	(METERS)	(METERS)	(METERS)	(METERS)
L0002877		0	0.17780E-05	477853.0	3748879.2	453.0	0.00	3.95
1.40	YES							
L0002878		0	0.17780E-05	477852.9	3748870.7	453.0	0.00	3.95
1.40	YES							
L0002879		0	0.17780E-05	477852.8	3748862.2	453.0	0.00	3.95
1.40	YES							
L0002880		0	0.17780E-05	477852.8	3748853.7	453.0	0.00	3.95
1.40	YES							
L0002881		0	0.17780E-05	477852.7	3748845.2	453.0	0.00	3.95
1.40	YES							
L0002882		0	0.17780E-05	477852.6	3748836.7	453.0	0.00	3.95
1.40	YES							
L0002883		0	0.46060E-06	477744.0	3748980.7	454.0	0.00	3.95
1.40	YES							
L0002884		0	0.46060E-06	477752.5	3748980.8	454.0	0.00	3.95
1.40	YES							
L0002885		0	0.46060E-06	477761.0	3748980.8	454.0	0.00	3.95
1.40	YES							
L0002886		0	0.46060E-06	477769.5	3748980.9	454.0	0.00	3.95
1.40	YES							
L0002887		0	0.46060E-06	477777.9	3748981.0	454.0	0.00	3.95
1.40	YES							
L0002888		0	0.46060E-06	477786.4	3748981.0	454.0	0.00	3.95
1.40	YES							
L0002889		0	0.46060E-06	477794.9	3748981.1	454.0	0.00	3.95
1.40	YES							
L0002890		0	0.46060E-06	477803.4	3748981.2	454.0	0.00	3.95
1.40	YES							
L0002891		0	0.46060E-06	477811.9	3748981.3	454.0	0.00	3.95
1.40	YES							
L0002892		0	0.46060E-06	477820.4	3748981.3	454.0	0.00	3.95
1.40	YES							
L0002893		0	0.46060E-06	477828.9	3748981.4	453.9	0.00	3.95
1.40	YES							
L0002894		0	0.46060E-06	477837.4	3748981.5	453.7	0.00	3.95
1.40	YES							
L0002895		0	0.46060E-06	477845.9	3748981.6	453.6	0.00	3.95

AERMOD LSTs Operational Output

1.40	YES						
L0002896		0	0.46060E-06	477854.0	3748981.2	453.5	0.00 3.95
1.40	YES						
L0002897		0	0.46060E-06	477854.0	3748972.7	453.2	0.00 3.95
1.40	YES						
L0002898		0	0.46060E-06	477853.9	3748964.2	453.0	0.00 3.95
1.40	YES						
L0002899		0	0.46060E-06	477853.8	3748955.7	453.0	0.00 3.95
1.40	YES						
L0002900		0	0.46060E-06	477853.7	3748947.2	453.0	0.00 3.95
1.40	YES						
L0002901		0	0.46060E-06	477853.6	3748938.7	453.0	0.00 3.95
1.40	YES						
L0002902		0	0.46060E-06	477853.5	3748930.2	453.0	0.00 3.95
1.40	YES						
L0002903		0	0.46060E-06	477853.4	3748921.7	453.0	0.00 3.95
1.40	YES						
L0002904		0	0.46060E-06	477853.4	3748913.2	453.0	0.00 3.95
1.40	YES						
L0002905		0	0.46060E-06	477853.3	3748904.7	453.0	0.00 3.95
1.40	YES						
L0002906		0	0.46060E-06	477853.2	3748896.2	453.0	0.00 3.95
1.40	YES						
L0002907		0	0.46060E-06	477853.1	3748887.7	453.0	0.00 3.95
1.40	YES						
L0002908		0	0.46060E-06	477853.0	3748879.2	453.0	0.00 3.95
1.40	YES						
L0002909		0	0.46060E-06	477852.9	3748870.7	453.0	0.00 3.95
1.40	YES						
L0002910		0	0.46060E-06	477852.8	3748862.2	453.0	0.00 3.95
1.40	YES						
L0002911		0	0.46060E-06	477852.8	3748853.7	453.0	0.00 3.95
1.40	YES						
L0002912		0	0.46060E-06	477852.7	3748845.2	453.0	0.00 3.95
1.40	YES						
L0002913		0	0.46060E-06	477852.6	3748836.7	453.0	0.00 3.95
1.40	YES						
L0002914		0	0.54720E-05	477934.4	3748197.8	450.0	0.00 3.95
1.40	YES						
L0002915		0	0.54720E-05	477942.9	3748197.7	450.0	0.00 3.95
1.40	YES						
L0002916		0	0.54720E-05	477951.4	3748197.6	450.0	0.00 3.95

1.40 YES
 *** AERMOD - VERSION 15181 *** *** C:\Lakes\AERMOD
 View\MVL\OperationalLSTs\PM10\PM10.isc *** 11/03/15
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AERMOD LSTs Operational Output

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**MODELOPTs: RegDFAULT CONC ELEV FLGPOL URBAN

*** VOLUME SOURCE DATA ***

INIT.	URBAN	NUMBER	EMISSION	RATE		BASE	RELEASE	INIT.
SOURCE		EMISSION	RATE					
SZ	SOURCE	PART.	(GRAMS/SEC)	X	Y	ELEV.	HEIGHT	SY
ID		SCALAR	VARY					
(METERS)		CATS.	BY	(METERS)	(METERS)	(METERS)	(METERS)	(METERS)
L0002917		0	0.54720E-05	477959.9	3748197.6	450.0	0.00	3.95
1.40	YES							
L0002918		0	0.54720E-05	477968.4	3748197.5	450.0	0.00	3.95
1.40	YES							
L0002919		0	0.54720E-05	477976.9	3748197.4	450.0	0.00	3.95
1.40	YES							
L0002920		0	0.54720E-05	477985.4	3748197.4	450.0	0.00	3.95
1.40	YES							
L0002921		0	0.54720E-05	477993.9	3748197.3	450.0	0.00	3.95
1.40	YES							
L0002922		0	0.34980E-06	477934.4	3748197.8	450.0	0.00	3.95
1.40	YES							
L0002923		0	0.34980E-06	477942.9	3748197.7	450.0	0.00	3.95
1.40	YES							
L0002924		0	0.34980E-06	477951.4	3748197.6	450.0	0.00	3.95
1.40	YES							
L0002925		0	0.34980E-06	477959.9	3748197.6	450.0	0.00	3.95
1.40	YES							
L0002926		0	0.34980E-06	477968.4	3748197.5	450.0	0.00	3.95
1.40	YES							
L0002927		0	0.34980E-06	477976.9	3748197.4	450.0	0.00	3.95
1.40	YES							
L0002928		0	0.34980E-06	477985.4	3748197.4	450.0	0.00	3.95
1.40	YES							
L0002929		0	0.34980E-06	477993.9	3748197.3	450.0	0.00	3.95
1.40	YES							
L0002930		0	0.62220E-05	477499.5	3748976.4	454.2	0.00	3.95
1.40	YES							
L0002931		0	0.62220E-05	477508.0	3748976.2	454.1	0.00	3.95
1.40	YES							
L0002932		0	0.62220E-05	477516.4	3748976.0	454.0	0.00	3.95
1.40	YES							
L0002933		0	0.62220E-05	477524.9	3748975.8	454.0	0.00	3.95

AERMOD LSTs Operational Output

1.40	YES							
L0002934		0	0.62220E-05	477533.4	3748975.6	454.0	0.00	3.95
1.40	YES							
L0002935		0	0.62220E-05	477541.9	3748975.4	454.0	0.00	3.95
1.40	YES							
L0002936		0	0.62220E-05	477550.4	3748975.2	454.0	0.00	3.95
1.40	YES							
L0002937		0	0.62220E-05	477558.9	3748975.0	454.0	0.00	3.95
1.40	YES							
L0002938		0	0.62220E-05	477567.4	3748974.8	454.0	0.00	3.95
1.40	YES							
L0002939		0	0.62220E-05	477575.9	3748974.6	454.0	0.00	3.95
1.40	YES							
L0002940		0	0.62220E-05	477584.4	3748974.4	454.0	0.00	3.95
1.40	YES							
L0002941		0	0.62220E-05	477592.9	3748974.2	454.0	0.00	3.95
1.40	YES							
L0002942		0	0.65620E-06	477499.5	3748976.4	454.2	0.00	3.95
1.40	YES							
L0002943		0	0.65620E-06	477508.0	3748976.2	454.1	0.00	3.95
1.40	YES							
L0002944		0	0.65620E-06	477516.4	3748976.0	454.0	0.00	3.95
1.40	YES							
L0002945		0	0.65620E-06	477524.9	3748975.8	454.0	0.00	3.95
1.40	YES							
L0002946		0	0.65620E-06	477533.4	3748975.6	454.0	0.00	3.95
1.40	YES							
L0002947		0	0.65620E-06	477541.9	3748975.4	454.0	0.00	3.95
1.40	YES							
L0002948		0	0.65620E-06	477550.4	3748975.2	454.0	0.00	3.95
1.40	YES							
L0002949		0	0.65620E-06	477558.9	3748975.0	454.0	0.00	3.95
1.40	YES							
L0002950		0	0.65620E-06	477567.4	3748974.8	454.0	0.00	3.95
1.40	YES							
L0002951		0	0.65620E-06	477575.9	3748974.6	454.0	0.00	3.95
1.40	YES							
L0002952		0	0.65620E-06	477584.4	3748974.4	454.0	0.00	3.95
1.40	YES							
L0002953		0	0.65620E-06	477592.9	3748974.2	454.0	0.00	3.95

1.40 YES
 ♀ *** AERMOD - VERSION 15181 *** *** C:\Lakes\AERMOD
 View\MVL\OperationalLSTs\PM10\PM10.isc *** 11/03/15
 *** AERMET - VERSION 14134 *** ***
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 ELEV FLGPOL URBAN

AERMOD LSTs Operational Output

*** AREA SOURCE DATA ***

Y-DIM OF AREA ID (METERS)	ORIENT. OF AREA (DEG.)	NUMBER INIT. PART. CATS. (METERS)	EMISSION RATE (GRAMS/SEC SOURCE /METER**2)	COORD (SW CORNER) X (METERS)	Y (METERS)	BASE ELEV. (METERS)	RELEASE HEIGHT (METERS)	X-DIM OF AREA (METERS)

AREA1 426.52	0.00	0	0.23510E-07 0.00	477895.8	3748485.6	452.0	5.00	75.04
AREA2 521.96	0.00	0	0.24890E-07 0.00	478189.3	3748386.9	451.0	5.00	57.92
AREA3 60.16	0.00	0	0.87222E-07 0.00	478027.4	3748303.6	450.0	5.00	143.40
AREA4 152.50	0.00	0	0.27037E-07 0.00	477696.2	3748836.0	454.0	5.00	72.15
AREA5 85.90	0.00	0	0.56522E-07 0.00	477967.7	3748183.6	450.0	5.00	61.27
AREA6 180.23	0.00	0	0.25323E-07 0.00	477599.3	3748788.1	454.0	5.00	65.18

*** AERMOD - VERSION 15181 ***
 View\MVL\OperationalLSTs\PM10\PM10.isc
 *** AERMET - VERSION 14134 ***

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**MODELOPTs: RegDFAULT CONC
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 ELEV FLGPOL URBAN

*** SOURCE IDs DEFINING SOURCE GROUPS

SRCGROUP ID

SOURCE IDs

ALL L0002322	L0002317 , L0002323	, L0002318 , L0002324	, L0002319 ,	, L0002320 ,	, L0002321 ,
L0002330	L0002325 , L0002331	, L0002326 , L0002332	, L0002327 ,	, L0002328 ,	, L0002329 ,
	L0002333	, L0002334	, L0002335	, L0002336	, L0002337

AERMOD LSTs Operational Output

L0002338	, L0002339	, L0002340	,			
	L0002341	, L0002342	, L0002343	, L0002344	, L0002345	,
L0002346	, L0002347	, L0002348	,			
	L0002349	, L0002350	, L0002351	, L0002352	, L0002353	,
L0002354	, L0002355	, L0002356	,			
	L0002357	, L0002358	, L0002359	, L0002360	, L0002361	,
L0002362	, L0002363	, L0002364	,			
	L0002365	, L0002366	, L0002367	, L0002368	, L0002369	,
L0002370	, L0002371	, L0002372	,			
	L0002373	, L0002374	, L0002375	, L0002376	, L0002377	,
L0002378	, L0002379	, L0002380	,			
	L0002381	, L0002382	, L0002383	, L0002384	, L0002385	,
L0002386	, L0002387	, L0002388	,			
	L0002389	, L0002390	, L0002391	, L0002392	, L0002393	,
L0002394	, L0002395	, L0002396	,			
	L0002397	, L0002398	, L0002399	, L0002400	, L0002401	,
L0002402	, L0002403	, L0002404	,			
	L0002405	, L0002406	, L0002407	, L0002408	, L0002409	,
L0002410	, L0002411	, L0002412	,			
	L0002413	, L0002414	, L0002415	, L0002416	, L0002417	,
L0002418	, L0002419	, L0002420	,			
	L0002421	, L0002422	, L0002423	, L0002424	, L0002425	,
L0002426	, L0002427	, L0002428	,			
	L0002429	, L0002430	, L0002431	, L0002432	, L0002433	,
L0002434	, L0002435	, L0002436	,			
	L0002437	, L0002438	, L0002439	, L0002440	, L0002441	,
L0002442	, L0002443	, L0002444	,			
	L0002445	, L0002446	, L0002447	, L0002448	, L0002449	,
L0002450	, L0002451	, L0002452	,			
	L0002453	, L0002454	, L0002455	, L0002456	, L0002457	,
L0002458	, L0002459	, L0002460	,			
	L0002461	, L0002462	, L0002463	, L0002464	, L0002465	,

AERMOD LSTs Operational Output

L0002466 , L0002467 , L0002468 ,
 L0002469 , L0002470 , L0002471 , L0002472 , L0002473 ,
 L0002474 , L0002475 , L0002476 ,
 ♀ *** AERMOD - VERSION 15181 *** *** C:\Lakes\AERMOD
 View\MVL\OperationalLSTs\PM10\PM10.isc *** 11/03/15
 *** AERMET - VERSION 14134 *** ***
 *** 14:22:46

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**MODELOPTs: RegDFAULT CONC ELEV FLGPOL URBAN

*** SOURCE IDs DEFINING SOURCE GROUPS

SRCGROUP ID

SOURCE IDs

L0002482 L0002477 , L0002478 , L0002479 , L0002480 , L0002481 ,
 , L0002483 , L0002484 ,
 L0002490 L0002485 , L0002486 , L0002487 , L0002488 , L0002489 ,
 , L0002491 , L0002492 ,
 L0002498 L0002493 , L0002494 , L0002495 , L0002496 , L0002497 ,
 , L0002499 , L0002500 ,
 L0002506 L0002501 , L0002502 , L0002503 , L0002504 , L0002505 ,
 , L0002507 , L0002508 ,
 L0002514 L0002509 , L0002510 , L0002511 , L0002512 , L0002513 ,
 , L0002515 , L0002516 ,
 L0002522 L0002517 , L0002518 , L0002519 , L0002520 , L0002521 ,
 , L0002523 , L0002524 ,
 L0002530 L0002525 , L0002526 , L0002527 , L0002528 , L0002529 ,
 , L0002531 , L0002532 ,
 L0002538 L0002533 , L0002534 , L0002535 , L0002536 , L0002537 ,
 , L0002539 , L0002540 ,
 L0002546 L0002541 , L0002542 , L0002543 , L0002544 , L0002545 ,
 , L0002547 , L0002548 ,
 L0002549 , L0002550 , L0002551 , L0002552 , L0002553 ,

AERMOD LSTs Operational Output

L0002554 , L0002555 , L0002556 ,
 L0002562 , L0002563 , L0002564 ,
 L0002570 , L0002571 , L0002572 ,
 L0002578 , L0002579 , L0002580 ,
 L0002586 , L0002587 , L0002588 ,
 L0002594 , L0002595 , L0002596 ,
 L0002602 , L0002603 , L0002604 ,
 L0002610 , L0002611 , L0002612 ,
 L0002618 , L0002619 , L0002620 ,
 L0002626 , L0002627 , L0002628 ,
 L0002634 , L0002635 , L0002636 ,

♀ *** AERMOD - VERSION 15181 *** C:\Lakes\AERMOD
 View\MVL\OperationalLSTs\PM10\PM10.isc *** 11/03/15
 *** AERMET - VERSION 14134 ***
 *** 14:22:46

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**MODELOPTs: RegDFAULT CONC ELEV FLGPOL URBAN

*** SOURCE IDs DEFINING SOURCE GROUPS

SRCGROUP ID

SOURCE IDs

L0002637 , L0002638 , L0002639 , L0002640 , L0002641 ,

AERMOD LSTs Operational Output

L0002642	, L0002643	, L0002644	,			
L0002650	L0002645 , L0002651	, L0002646 , L0002652	, L0002647	, L0002648	, L0002649	,
L0002658	L0002653 , L0002659	, L0002654 , L0002660	, L0002655	, L0002656	, L0002657	,
L0002666	L0002661 , L0002667	, L0002662 , L0002668	, L0002663	, L0002664	, L0002665	,
L0002674	L0002669 , L0002675	, L0002670 , L0002676	, L0002671	, L0002672	, L0002673	,
L0002682	L0002677 , L0002683	, L0002678 , L0002684	, L0002679	, L0002680	, L0002681	,
L0002690	L0002685 , L0002691	, L0002686 , L0002692	, L0002687	, L0002688	, L0002689	,
L0002698	L0002693 , L0002699	, L0002694 , L0002700	, L0002695	, L0002696	, L0002697	,
L0002706	L0002701 , L0002707	, L0002702 , L0002708	, L0002703	, L0002704	, L0002705	,
L0002714	L0002709 , L0002715	, L0002710 , L0002716	, L0002711	, L0002712	, L0002713	,
L0002722	L0002717 , L0002723	, L0002718 , L0002724	, L0002719	, L0002720	, L0002721	,
AREA1	L0002725 , AREA2	, L0002726 , AREA3	, L0002727	, L0002728	, L0002729	,
STCK3	AREA4 , STCK4	, AREA5 , STCK5	, AREA6	, STCK1	, STCK2	,
STCK11	STCK6 , STCK12	, STCK7 , STCK13	, STCK8	, STCK9	, STCK10	,
L0002735	L0002730 , L0002736	, L0002731 , L0002737	, L0002732	, L0002733	, L0002734	,
L0002743	L0002738 , L0002744	, L0002739 , L0002745	, L0002740	, L0002741	, L0002742	,
	L0002746	, L0002747	, L0002748	, L0002749	, L0002750	,

AERMOD LSTs Operational Output

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L0002751      , L0002752      , L0002753      ,
               L0002754      , L0002755      , L0002756      , L0002757      , L0002758      ,
L0002759      , L0002760      , L0002761      ,
               L0002762      , L0002763      , L0002764      , L0002765      , L0002766      ,
L0002767      , L0002768      , L0002769      ,
               L0002770      , L0002771      , L0002772      , L0002773      , L0002774      ,
L0002775      , L0002776      , L0002777      ,
♀ *** AERMOD - VERSION 15181 *** *** C:\Lakes\AERMOD
View\MVL\OperationalLSTs\PM10\PM10.isc *** 11/03/15
*** AERMET - VERSION 14134 *** ***
*** 14:22:46

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**MODELOPTs: RegDFAULT CONC ELEV FLGPOL URBAN

*** SOURCE IDs DEFINING SOURCE GROUPS

SRCGROUP ID

SOURCE IDs

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L0002783      L0002778      , L0002779      , L0002780      , L0002781      , L0002782      ,
               , L0002784      , L0002785      ,
               L0002786      , L0002787      , L0002788      , L0002789      , L0002790      ,
L0002791      , L0002792      , L0002793      ,
               L0002794      , L0002795      , L0002796      , L0002797      , L0002798      ,
L0002799      , L0002800      , L0002801      ,
               L0002802      , L0002803      , L0002804      , L0002805      , L0002806      ,
L0002807      , L0002808      , L0002809      ,
               L0002810      , L0002811      , L0002812      , L0002813      , L0002814      ,
L0002815      , L0002816      , L0002817      ,
               L0002818      , L0002819      , L0002820      , L0002821      , L0002822      ,
L0002823      , L0002824      , L0002825      ,
               L0002826      , L0002827      , L0002828      , L0002829      , L0002830      ,
L0002831      , L0002832      , L0002833      ,
               L0002834      , L0002835      , L0002836      , L0002837      , L0002838      ,

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AERMOD LSTs Operational Output

L0002839 , L0002840 , L0002841 ,
 L0002847 , L0002842 , L0002843 , L0002844 , L0002845 , L0002846 ,
 , L0002848 , L0002849 ,
 L0002855 , L0002850 , L0002851 , L0002852 , L0002853 , L0002854 ,
 , L0002856 , L0002857 ,
 L0002863 , L0002858 , L0002859 , L0002860 , L0002861 , L0002862 ,
 , L0002864 , L0002865 ,
 L0002871 , L0002866 , L0002867 , L0002868 , L0002869 , L0002870 ,
 , L0002872 , L0002873 ,
 L0002879 , L0002874 , L0002875 , L0002876 , L0002877 , L0002878 ,
 , L0002880 , L0002881 ,
 L0002887 , L0002882 , L0002883 , L0002884 , L0002885 , L0002886 ,
 , L0002888 , L0002889 ,
 L0002895 , L0002890 , L0002891 , L0002892 , L0002893 , L0002894 ,
 , L0002896 , L0002897 ,
 L0002903 , L0002898 , L0002899 , L0002900 , L0002901 , L0002902 ,
 , L0002904 , L0002905 ,
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 , L0002912 , L0002913 ,
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 , L0002920 , L0002921 ,
 L0002927 , L0002922 , L0002923 , L0002924 , L0002925 , L0002926 ,
 , L0002928 , L0002929 ,
 L0002935 , L0002930 , L0002931 , L0002932 , L0002933 , L0002934 ,
 , L0002936 , L0002937 ,

♀ *** AERMOD - VERSION 15181 *** C:\Lakes\AERMOD
 View\MVL\OperationalLSTs\PM10\PM10.isc *** 11/03/15
 *** AERMET - VERSION 14134 ***
 *** 14:22:46

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 **MODELOPTs: RegDFAULT CONC ELEV FLGPOL URBAN

*** SOURCE IDs DEFINING SOURCE GROUPS

AERMOD LSTs Operational Output

SRCGROUP ID

SOURCE IDs

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      L0002938 , L0002939 , L0002940 , L0002941 , L0002942 ,
L0002943 , L0002944 , L0002945 ,
      L0002946 , L0002947 , L0002948 , L0002949 , L0002950 ,
L0002951 , L0002952 , L0002953 ,
♀ *** AERMOD - VERSION 15181 *** *** C:\Lakes\AERMOD
View\MVL\OperationalLSTs\PM10\PM10.isc *** 11/03/15
*** AERMET - VERSION 14134 *** ***
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**MODELOPTs: RegDFAULT CONC ELEV FLGPOL URBAN

*** SOURCE IDs DEFINED AS URBAN SOURCES

URBAN ID URBAN POP

SOURCE IDs

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      2100516. L0002317 , L0002318 , L0002319 , L0002320 ,
L0002321 , L0002322 , L0002323 ,
L0002324 ,
      L0002325 , L0002326 , L0002327 , L0002328 , L0002329 ,
L0002330 , L0002331 , L0002332 ,
      L0002333 , L0002334 , L0002335 , L0002336 , L0002337 ,
L0002338 , L0002339 , L0002340 ,
      L0002341 , L0002342 , L0002343 , L0002344 , L0002345 ,
L0002346 , L0002347 , L0002348 ,
      L0002349 , L0002350 , L0002351 , L0002352 , L0002353 ,
L0002354 , L0002355 , L0002356 ,
      L0002357 , L0002358 , L0002359 , L0002360 , L0002361 ,
L0002362 , L0002363 , L0002364 ,
      L0002365 , L0002366 , L0002367 , L0002368 , L0002369 ,
L0002370 , L0002371 , L0002372 ,

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AERMOD LSTs Operational Output

L0002378	L0002373 , L0002379	, L0002374 , L0002380	, L0002375 ,	, L0002376	, L0002377	,
L0002386	L0002381 , L0002387	, L0002382 , L0002388	, L0002383 ,	, L0002384	, L0002385	,
L0002394	L0002389 , L0002395	, L0002390 , L0002396	, L0002391 ,	, L0002392	, L0002393	,
L0002402	L0002397 , L0002403	, L0002398 , L0002404	, L0002399 ,	, L0002400	, L0002401	,
L0002410	L0002405 , L0002411	, L0002406 , L0002412	, L0002407 ,	, L0002408	, L0002409	,
L0002418	L0002413 , L0002419	, L0002414 , L0002420	, L0002415 ,	, L0002416	, L0002417	,
L0002426	L0002421 , L0002427	, L0002422 , L0002428	, L0002423 ,	, L0002424	, L0002425	,
L0002434	L0002429 , L0002435	, L0002430 , L0002436	, L0002431 ,	, L0002432	, L0002433	,
L0002442	L0002437 , L0002443	, L0002438 , L0002444	, L0002439 ,	, L0002440	, L0002441	,
L0002450	L0002445 , L0002451	, L0002446 , L0002452	, L0002447 ,	, L0002448	, L0002449	,
L0002458	L0002453 , L0002459	, L0002454 , L0002460	, L0002455 ,	, L0002456	, L0002457	,
L0002466	L0002461 , L0002467	, L0002462 , L0002468	, L0002463 ,	, L0002464	, L0002465	,
L0002474	L0002469 , L0002475	, L0002470 , L0002476	, L0002471 ,	, L0002472	, L0002473	,

♀ *** AERMOD - VERSION 15181 *** C:\Lakes\AERMOD
 View\MVL\OperationalLSTs\PM10\PM10.isc ***
 *** AERMET - VERSION 14134 ***
 *** 14:22:46

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**MODELOPTs: RegDFAULT CONC ELEV FLGPOL URBAN

*** SOURCE IDs DEFINED AS URBAN SOURCES

AERMOD LSTs Operational Output

URBAN ID -----	URBAN POP -----	SOURCE IDs -----					
L0002482	L0002477 , L0002483	, L0002478 , L0002484	, L0002479 ,	, L0002480	, L0002481	,	
L0002490	L0002485 , L0002491	, L0002486 , L0002492	, L0002487 ,	, L0002488	, L0002489	,	
L0002498	L0002493 , L0002499	, L0002494 , L0002500	, L0002495 ,	, L0002496	, L0002497	,	
L0002506	L0002501 , L0002507	, L0002502 , L0002508	, L0002503 ,	, L0002504	, L0002505	,	
L0002514	L0002509 , L0002515	, L0002510 , L0002516	, L0002511 ,	, L0002512	, L0002513	,	
L0002522	L0002517 , L0002523	, L0002518 , L0002524	, L0002519 ,	, L0002520	, L0002521	,	
L0002530	L0002525 , L0002531	, L0002526 , L0002532	, L0002527 ,	, L0002528	, L0002529	,	
L0002538	L0002533 , L0002539	, L0002534 , L0002540	, L0002535 ,	, L0002536	, L0002537	,	
L0002546	L0002541 , L0002547	, L0002542 , L0002548	, L0002543 ,	, L0002544	, L0002545	,	
L0002554	L0002549 , L0002555	, L0002550 , L0002556	, L0002551 ,	, L0002552	, L0002553	,	
L0002562	L0002557 , L0002563	, L0002558 , L0002564	, L0002559 ,	, L0002560	, L0002561	,	
L0002570	L0002565 , L0002571	, L0002566 , L0002572	, L0002567 ,	, L0002568	, L0002569	,	
L0002578	L0002573 , L0002579	, L0002574 , L0002580	, L0002575 ,	, L0002576	, L0002577	,	
L0002586	L0002581 , L0002587	, L0002582 , L0002588	, L0002583 ,	, L0002584	, L0002585	,	

AERMOD LSTs Operational Output

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L0002594      , L0002589      , L0002590      , L0002591      , L0002592      , L0002593      ,
, L0002595      , L0002596      ,

L0002602      , L0002597      , L0002598      , L0002599      , L0002600      , L0002601      ,
, L0002603      , L0002604      ,

L0002610      , L0002605      , L0002606      , L0002607      , L0002608      , L0002609      ,
, L0002611      , L0002612      ,

L0002618      , L0002613      , L0002614      , L0002615      , L0002616      , L0002617      ,
, L0002619      , L0002620      ,

L0002626      , L0002621      , L0002622      , L0002623      , L0002624      , L0002625      ,
, L0002627      , L0002628      ,

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L0002634      , L0002629      , L0002630      , L0002631      , L0002632      , L0002633      ,
, L0002635      , L0002636      ,
♀ *** AERMOD - VERSION 15181 *** *** C:\Lakes\AERMOD
View\MVL\OperationalLSTs\PM10\PM10.isc *** 11/03/15
*** AERMET - VERSION 14134 *** ***
*** 14:22:46

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**MODELOPTs: RegDFAULT CONC ELEV FLGPOL URBAN

*** SOURCE IDs DEFINED AS URBAN SOURCES

URBAN ID	URBAN POP	SOURCE IDs
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L0002642	L0002637 , L0002643	L0002637 , L0002638 , L0002639 , L0002640 , L0002641 ,
L0002650	L0002645 , L0002651	L0002645 , L0002646 , L0002647 , L0002648 , L0002649 ,
L0002658	L0002653 , L0002659	L0002653 , L0002654 , L0002655 , L0002656 , L0002657 ,
L0002666	L0002661 , L0002667	L0002661 , L0002662 , L0002663 , L0002664 , L0002665 ,
L0002674	L0002669 , L0002675	L0002669 , L0002670 , L0002671 , L0002672 , L0002673 ,

AERMOD LSTs Operational Output

L0002682	L0002677 , L0002683	, L0002678 , L0002684	, L0002679 ,	, L0002680	, L0002681	,
L0002690	L0002685 , L0002691	, L0002686 , L0002692	, L0002687 ,	, L0002688	, L0002689	,
L0002698	L0002693 , L0002699	, L0002694 , L0002700	, L0002695 ,	, L0002696	, L0002697	,
L0002706	L0002701 , L0002707	, L0002702 , L0002708	, L0002703 ,	, L0002704	, L0002705	,
L0002714	L0002709 , L0002715	, L0002710 , L0002716	, L0002711 ,	, L0002712	, L0002713	,
L0002722	L0002717 , L0002723	, L0002718 , L0002724	, L0002719 ,	, L0002720	, L0002721	,
AREA1	L0002725 , AREA2	, L0002726 , AREA3	, L0002727 ,	, L0002728	, L0002729	,
STCK3	AREA4 , STCK4	, AREA5 , STCK5	, AREA6 ,	, STCK1	, STCK2	,
STCK11	STCK6 , STCK12	, STCK7 , STCK13	, STCK8 ,	, STCK9	, STCK10	,
L0002735	L0002730 , L0002736	, L0002731 , L0002737	, L0002732 ,	, L0002733	, L0002734	,
L0002743	L0002738 , L0002744	, L0002739 , L0002745	, L0002740 ,	, L0002741	, L0002742	,
L0002751	L0002746 , L0002752	, L0002747 , L0002753	, L0002748 ,	, L0002749	, L0002750	,
L0002759	L0002754 , L0002760	, L0002755 , L0002761	, L0002756 ,	, L0002757	, L0002758	,
L0002767	L0002762 , L0002768	, L0002763 , L0002769	, L0002764 ,	, L0002765	, L0002766	,
L0002775	L0002770 , L0002776	, L0002771 , L0002777	, L0002772 ,	, L0002773	, L0002774	,

♀ *** AERMOD - VERSION 15181 *** C:\Lakes\AERMOD
View\MVL\OperationalLSTs\PM10\PM10.isc ***

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AERMOD LSTs Operational Output

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**MODELOPTs: RegDFAULT CONC ELEV FLGPOL URBAN

*** SOURCE IDs DEFINED AS URBAN SOURCES

URBAN ID	URBAN POP	SOURCE IDs
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L0002783	L0002778 , L0002784	, L0002779 , L0002785 , L0002780 , L0002781 , L0002782 ,
L0002791	L0002786 , L0002792	, L0002787 , L0002793 , L0002788 , L0002789 , L0002790 ,
L0002799	L0002794 , L0002800	, L0002795 , L0002801 , L0002796 , L0002797 , L0002798 ,
L0002807	L0002802 , L0002808	, L0002803 , L0002809 , L0002804 , L0002805 , L0002806 ,
L0002815	L0002810 , L0002816	, L0002811 , L0002817 , L0002812 , L0002813 , L0002814 ,
L0002823	L0002818 , L0002824	, L0002819 , L0002825 , L0002820 , L0002821 , L0002822 ,
L0002831	L0002826 , L0002832	, L0002827 , L0002833 , L0002828 , L0002829 , L0002830 ,
L0002839	L0002834 , L0002840	, L0002835 , L0002841 , L0002836 , L0002837 , L0002838 ,
L0002847	L0002842 , L0002848	, L0002843 , L0002849 , L0002844 , L0002845 , L0002846 ,
L0002855	L0002850 , L0002856	, L0002851 , L0002857 , L0002852 , L0002853 , L0002854 ,
L0002863	L0002858 , L0002864	, L0002859 , L0002865 , L0002860 , L0002861 , L0002862 ,
L0002871	L0002866 , L0002872	, L0002867 , L0002873 , L0002868 , L0002869 , L0002870 ,

AERMOD LSTs Operational Output

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L0002879      , L0002874      , L0002875      , L0002876      , L0002877      , L0002878      ,
, L0002880      , L0002881      ,

L0002887      , L0002882      , L0002883      , L0002884      , L0002885      , L0002886      ,
, L0002888      , L0002889      ,

L0002895      , L0002890      , L0002891      , L0002892      , L0002893      , L0002894      ,
, L0002896      , L0002897      ,

L0002903      , L0002898      , L0002899      , L0002900      , L0002901      , L0002902      ,
, L0002904      , L0002905      ,

L0002911      , L0002906      , L0002907      , L0002908      , L0002909      , L0002910      ,
, L0002912      , L0002913      ,

L0002919      , L0002914      , L0002915      , L0002916      , L0002917      , L0002918      ,
, L0002920      , L0002921      ,

L0002927      , L0002922      , L0002923      , L0002924      , L0002925      , L0002926      ,
, L0002928      , L0002929      ,

L0002935      , L0002930      , L0002931      , L0002932      , L0002933      , L0002934      ,
, L0002936      , L0002937      ,

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♀ *** AERMOD - VERSION 15181 *** *** C:\Lakes\AERMOD
View\MVL\OperationalLSTs\PM10\PM10.isc *** 11/03/15
*** AERMET - VERSION 14134 *** ***
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**MODELOPTs: RegDFAULT CONC ELEV FLGPOL URBAN

*** SOURCE IDs DEFINED AS URBAN SOURCES

URBAN ID	URBAN POP	SOURCE IDs
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L0002943      , L0002938      , L0002939      , L0002940      , L0002941      , L0002942      ,
, L0002944      , L0002945      ,

L0002951      , L0002946      , L0002947      , L0002948      , L0002949      , L0002950      ,
, L0002952      , L0002953      ,
♀ *** AERMOD - VERSION 15181 *** *** C:\Lakes\AERMOD
View\MVL\OperationalLSTs\PM10\PM10.isc *** 11/03/15
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AERMOD LSTs Operational Output

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**MODELOPTs:  RegDFAULT  CONC          ELEV          FLGPOL          URBAN
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*** DISCRETE CARTESIAN RECEPTORS ***
(X-COORD, Y-COORD, ZELEV, ZHILL, ZFLAG)
(METERS)

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( 477994.2, 3749818.5, 458.0, 458.0, 2.0); ( 478348.6,
3749820.7, 458.3, 458.3, 2.0);
( 478324.0, 3749446.9, 456.0, 456.0, 2.0); ( 478321.9,
3749107.7, 454.0, 454.0, 2.0);
( 478311.5, 3748947.3, 453.0, 453.0, 2.0); ( 478314.5,
3748704.1, 452.0, 452.0, 2.0);
( 478309.7, 3748401.3, 451.0, 451.0, 2.0); ( 478302.7,
3748248.4, 450.0, 450.0, 2.0);

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⌘ *** AERMOD - VERSION 15181 *** *** C:\Lakes\AERMOD
View\MVL\OperationalLSTs\PM10\PM10.isc *** 11/03/15
*** AERMET - VERSION 14134 *** ***
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**MODELOPTs:  RegDFAULT  CONC          ELEV          FLGPOL          URBAN
```

*** METEOROLOGICAL DAYS SELECTED FOR

PROCESSING ***

(1=YES; 0=NO)

[illegible]

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

AERMOD LSTs Operational Output

*** UPPER BOUND OF FIRST THROUGH FIFTH WIND SPEED

CATEGORIES ***

(METERS/SEC)

1.54, 3.09, 5.14, 8.23,

10.80,

♀ *** AERMOD - VERSION 15181 *** C:\Lakes\AERMOD

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*** AERMET - VERSION 14134 ***

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**MODELOPTs: RegDFAULT CONC

ELEV

FLGPOL

URBAN

*** UP TO THE FIRST 24 HOURS OF METEOROLOGICAL

DATA ***

Surface file: ..\..\peri8.sfc

Met Version: 14134

Profile file: ..\..\peri8.PFL

Surface format: FREE

Profile format: FREE

Surface station no.: 3190

Name: UNKNOWN

Upper air station no.: 3190

Name: UNKNOWN

Year: 2007

Year: 2007

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							
07	01	01	1	01	-0.5	0.026	-9.000	-9.000	-999.	10.	3.0	0.19	1.00	
1.00	0.50	133.		9.1	279.9	5.5								
07	01	01	1	02	-0.5	0.026	-9.000	-9.000	-999.	10.	3.0	0.19	1.00	
1.00	0.50	192.		9.1	279.2	5.5								
07	01	01	1	03	-0.5	0.026	-9.000	-9.000	-999.	10.	3.0	0.19	1.00	
1.00	0.50	160.		9.1	277.5	5.5								
07	01	01	1	04	-0.5	0.026	-9.000	-9.000	-999.	10.	3.0	0.19	1.00	
1.00	0.50	75.		9.1	277.5	5.5								
07	01	01	1	05	-0.6	0.026	-9.000	-9.000	-999.	10.	2.6	0.19	1.00	
1.00	0.50	282.		9.1	278.8	5.5								
07	01	01	1	06	-0.6	0.026	-9.000	-9.000	-999.	10.	2.6	0.19	1.00	
1.00	0.50	96.		9.1	277.5	5.5								

AERMOD LSTs Operational Output

07	01	01	1	07	-0.5	0.026	-9.000	-9.000	-999.	10.	3.0	0.19	1.00
1.00	0.50	129.			9.1	278.1	5.5						
07	01	01	1	08	-0.4	0.026	-9.000	-9.000	-999.	10.	3.7	0.19	1.00
0.54	0.50	99.			9.1	277.5	5.5						
07	01	01	1	09	27.8	0.091	0.542	0.005	196.	66.	-2.3	0.19	1.00
0.33	0.50	133.			9.1	278.1	5.5						
07	01	01	1	10	76.9	0.104	1.050	0.005	516.	81.	-1.3	0.19	1.00
0.26	0.50	174.			9.1	281.4	5.5						
07	01	01	1	11	110.0	0.109	1.374	0.009	810.	87.	-1.0	0.19	1.00
0.23	0.50	95.			9.1	284.9	5.5						
07	01	01	1	12	125.7	0.201	1.589	0.018	1095.	216.	-5.5	0.19	1.00
0.22	1.30	94.			9.1	288.1	5.5						
07	01	01	1	13	121.7	0.287	1.641	0.022	1248.	369.	-16.6	0.19	1.00
0.22	2.20	24.			9.1	291.4	5.5						
07	01	01	1	14	102.8	0.414	1.559	0.021	1265.	639.	-59.1	0.19	1.00
0.23	3.60	13.			9.1	292.5	5.5						
07	01	01	1	15	69.9	0.619	1.374	0.021	1276.	1169.	-291.2	0.19	1.00
0.27	5.80	318.			9.1	292.0	5.5						
07	01	01	1	16	16.8	0.607	0.856	0.021	1277.	1135.	-1137.8	0.19	1.00
0.36	5.80	329.			9.1	291.4	5.5						
07	01	01	1	17	-42.2	0.437	-9.000	-9.000	-999.	720.	169.3	0.19	1.00
0.64	4.50	333.			9.1	289.9	5.5						
07	01	01	1	18	-18.5	0.353	-9.000	-9.000	-999.	510.	204.1	0.19	1.00
1.00	3.60	305.			9.1	288.8	5.5						
07	01	01	1	19	-42.3	0.437	-9.000	-9.000	-999.	692.	168.7	0.19	1.00
1.00	4.50	276.			9.1	287.5	5.5						
07	01	01	1	20	-32.3	0.334	-9.000	-9.000	-999.	470.	98.6	0.19	1.00
1.00	3.60	323.			9.1	287.5	5.5						
07	01	01	1	21	-36.7	0.380	-9.000	-9.000	-999.	562.	128.3	0.19	1.00
1.00	4.00	322.			9.1	288.1	5.5						
07	01	01	1	22	-45.6	0.434	-9.000	-9.000	-999.	685.	153.6	0.19	1.00
1.00	4.50	30.			9.1	288.1	5.5						
07	01	01	1	23	-39.7	0.377	-9.000	-9.000	-999.	557.	115.4	0.19	1.00
1.00	4.00	343.			9.1	287.0	5.5						
07	01	01	1	24	-7.7	0.093	-9.000	-9.000	-999.	215.	9.1	0.19	1.00
1.00	1.80	155.			9.1	283.8	5.5						

First hour of profile data

YR	MO	DY	HR	HEIGHT	F	WDIR	WSPD	AMB_TMP	sigmaA	sigmaW	sigmaV
07	01	01	01	5.5	0	-999.	-99.00	279.9	99.0	-99.00	-99.00
07	01	01	01	9.1	1	133.	0.50	-999.0	99.0	-99.00	-99.00

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

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AERMOD LSTs Operational Output

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**MODELOPTs: RegDFAULT CONC ELEV FLGPOL URBAN

*** THE ANNUAL AVERAGE CONCENTRATION VALUES AVERAGED OVER 5
YEARS FOR SOURCE GROUP: ALL ***
INCLUDING SOURCE(S): L0002317 , L0002318
, L0002319 , L0002320 , L0002321 ,
L0002322 , L0002323 , L0002324 , L0002325 , L0002326
, L0002327 , L0002328 , L0002329 ,
L0002330 , L0002331 , L0002332 , L0002333 , L0002334
, L0002335 , L0002336 , L0002337 ,
L0002338 , L0002339 , L0002340 , L0002341 , L0002342
, L0002343 , L0002344 , . . . ,

*** DISCRETE CARTESIAN RECEPTOR POINTS

** CONC OF PM₁₀ IN MICROGRAMS/M³

**

X-COORD (M)	Y-COORD (M)	CONC	X-COORD (M)
477994.17	3749818.50	0.01573	478348.59
3749820.73	0.01194		
478323.98	3749446.94	0.02006	478321.90
3749107.70	0.04091		
478311.50	3748947.34	0.07521	478314.46
3748704.06	0.12039		
478309.66	3748401.33	0.12263	478302.71
3748248.43	0.09195		

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**MODELOPTs: RegDFAULT CONC ELEV FLGPOL URBAN

*** THE 1ST HIGHEST 24-HR AVERAGE CONCENTRATION
VALUES FOR SOURCE GROUP: ALL ***
INCLUDING SOURCE(S): L0002317 , L0002318
, L0002319 , L0002320 , L0002321 ,
L0002322 , L0002323 , L0002324 , L0002325 , L0002326
, L0002327 , L0002328 , L0002329 ,
L0002330 , L0002331 , L0002332 , L0002333 , L0002334

AERMOD LSTs Operational Output

, L0002335 , L0002336 , L0002337 ,
 , L0002338 , L0002339 , L0002340 , L0002341 , L0002342
 , L0002343 , L0002344 , . . . ,

*** DISCRETE CARTESIAN RECEPTOR POINTS

** CONC OF PM₁₀ IN MICROGRAMS/M**3

**

X-COORD (M)	Y-COORD (M)	CONC	(YYMMDDHH)	X-COORD (M)
Y-COORD (M)	CONC	(YYMMDDHH)		
477994.17	3749818.50	0.05662	(09020624)	478348.59
3749820.73	0.05405m	(10021924)		
478323.98	3749446.94	0.07577m	(10021924)	478321.90
3749107.70	0.12412m	(10021924)		
478311.50	3748947.34	0.18468m	(10021924)	478314.46
3748704.06	0.23686	(08011124)		
478309.66	3748401.33	0.25517	(07110824)	478302.71
3748248.43	0.19816	(07110824)		

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**MODELOPTs: RegDFAULT CONC ELEV FLGPOL URBAN

*** THE SUMMARY OF MAXIMUM ANNUAL RESULTS

AVERAGED OVER 5 YEARS ***

** CONC OF PM₁₀ IN MICROGRAMS/M**3

**

NETWORK

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

ALL	1ST HIGHEST VALUE IS	0.12263 AT (	478309.66,	3748401.33,
451.00,	451.00, 2.00) DC			
	2ND HIGHEST VALUE IS	0.12039 AT (	478314.46,	3748704.06,
452.00,	452.00, 2.00) DC			

AERMOD LSTs Operational Output

450.00,	3RD HIGHEST VALUE IS	0.09195 AT (	478302.71,	3748248.43,
450.00,	450.00, 2.00) DC			
453.00,	4TH HIGHEST VALUE IS	0.07521 AT (	478311.50,	3748947.34,
453.00,	453.00, 2.00) DC			
454.00,	5TH HIGHEST VALUE IS	0.04091 AT (	478321.90,	3749107.70,
454.00,	454.00, 2.00) DC			
456.00,	6TH HIGHEST VALUE IS	0.02006 AT (	478323.98,	3749446.94,
456.00,	456.00, 2.00) DC			
458.00,	7TH HIGHEST VALUE IS	0.01573 AT (	477994.17,	3749818.50,
458.00,	458.00, 2.00) DC			
458.30,	8TH HIGHEST VALUE IS	0.01194 AT (	478348.59,	3749820.73,
458.30,	458.30, 2.00) DC			
0.00,	9TH HIGHEST VALUE IS	0.00000 AT (	0.00,	0.00,
0.00,	0.00, 0.00)			
0.00,	10TH HIGHEST VALUE IS	0.00000 AT (	0.00,	0.00,
0.00,	0.00, 0.00)			

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

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 **MODELOPTs: RegDFAULT CONC ELEV FLGPOL URBAN

*** THE SUMMARY OF HIGHEST 24-HR
 RESULTS ***

** CONC OF PM_10 IN MICROGRAMS/M**3
 **

GROUP ID	DATE	RECEPTOR
(XR, YR, ZELEV, ZHILL, ZFLAG)	(YYMMDDHH)	
ALL HIGH 1ST HIGH VALUE IS	0.25517 ON 07110824: AT (	478309.66,
3748401.33, 451.00, 451.00,	2.00) DC	

AERMOD LSTs Operational Output

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

♀ *** AERMOD - VERSION 15181 *** C:\Lakes\AERMOD
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***MODELOPTs: RegDFAULT CONC ELEV FLGPOL URBAN

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

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

A Total of 0 Fatal Error Message(s)
A Total of 1 Warning Message(s)
A Total of 1895 Informational Message(s)

A Total of 43824 Hours Were Processed

A Total of 90 Calm Hours Identified

A Total of 1805 Missing Hours Identified (4.12 Percent)

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

***** WARNING MESSAGES *****
ME W531 1776 MEOPEN: CAUTION! Met Station ID Missing from SURFFILE for
SURFDATA

*** AERMOD Finishes Successfully ***

**

**
** AERMOD Input Produced by:
** AERMOD View Ver. 9.0.0
** Lakes Environmental Software Inc.
** Date: 11/3/2015
** File: C:\Lakes\AERMOD View\MVL\OperationalLSTs\PM25\PM25.ADI
**

AERMOD LSTs Operational Output

**

**

** AERMOD Control Pathway

**

**

CO STARTING

TITLEONE C:\Lakes\AERMOD View\MVL\OperationalLSTs\PM25\PM25.isc

MODELOPT DFAULT CONC

AVERTIME 24

URBANOPT 2100516

POLLUTID PM_2.5

FLAGPOLE 2.00

RUNORNOT RUN

ERRORFIL PM25.err

CO FINISHED

**

** AERMOD Source Pathway

**

**

SO STARTING

** Source Location **

** Source ID - Type - X Coord. - Y Coord. **

**

** Line Source Represented by Adjacent Volume Sources

** LINE VOLUME Source ID = SLINE1

** DESCRSRC On-Site Idling East of Building 1

** PREFIX

** Length of Side = 30.00

** Configuration = Adjacent

** Emission Rate = 0.0001263

** Vertical Dimension = 4.00

** SZINIT = 1.86

** Nodes = 2

** 478216.131, 3748401.256, 451.00, 4.00, 13.95

** 478218.470, 3748912.349, 453.00, 4.00, 13.95

**

LOCATION L0002954	VOLUME	478216.200	3748416.256	451.00
LOCATION L0002955	VOLUME	478216.337	3748446.256	451.00
LOCATION L0002956	VOLUME	478216.474	3748476.255	451.15
LOCATION L0002957	VOLUME	478216.612	3748506.255	451.73
LOCATION L0002958	VOLUME	478216.749	3748536.255	452.00
LOCATION L0002959	VOLUME	478216.886	3748566.254	452.00
LOCATION L0002960	VOLUME	478217.023	3748596.254	452.00

AERMOD LSTs Operational Output

LOCATION L0002961	VOLUME	478217.161	3748626.254	452.00
LOCATION L0002962	VOLUME	478217.298	3748656.253	452.00
LOCATION L0002963	VOLUME	478217.435	3748686.253	452.00
LOCATION L0002964	VOLUME	478217.573	3748716.253	452.00
LOCATION L0002965	VOLUME	478217.710	3748746.252	452.00
LOCATION L0002966	VOLUME	478217.847	3748776.252	452.00
LOCATION L0002967	VOLUME	478217.984	3748806.252	452.66
LOCATION L0002968	VOLUME	478218.122	3748836.251	453.00
LOCATION L0002969	VOLUME	478218.259	3748866.251	453.00
LOCATION L0002970	VOLUME	478218.396	3748896.251	453.00

** End of LINE VOLUME Source ID = SLINE1

**

** Line Source Represented by Adjacent Volume Sources

** LINE VOLUME Source ID = SLINE3

** DESCRSRC On-Site Idling West of Building 1

** PREFIX

** Length of Side = 30.00

** Configuration = Adjacent

** Emission Rate = 0.0001078

** Vertical Dimension = 4.00

** SZINIT = 1.86

** Nodes = 2

** 477943.756, 3748486.125, 451.01, 4.00, 13.95

** 477947.383, 3748908.539, 453.00, 4.00, 13.95

**

LOCATION L0002971	VOLUME	477943.885	3748501.124	451.49
LOCATION L0002972	VOLUME	477944.142	3748531.123	452.00
LOCATION L0002973	VOLUME	477944.400	3748561.122	452.00
LOCATION L0002974	VOLUME	477944.658	3748591.121	452.00
LOCATION L0002975	VOLUME	477944.915	3748621.120	452.00
LOCATION L0002976	VOLUME	477945.173	3748651.119	452.00
LOCATION L0002977	VOLUME	477945.430	3748681.118	452.49
LOCATION L0002978	VOLUME	477945.688	3748711.117	453.00
LOCATION L0002979	VOLUME	477945.945	3748741.116	453.00
LOCATION L0002980	VOLUME	477946.203	3748771.114	453.00
LOCATION L0002981	VOLUME	477946.461	3748801.113	453.00
LOCATION L0002982	VOLUME	477946.718	3748831.112	453.00
LOCATION L0002983	VOLUME	477946.976	3748861.111	453.00
LOCATION L0002984	VOLUME	477947.233	3748891.110	453.00

** End of LINE VOLUME Source ID = SLINE3

**

** Line Source Represented by Adjacent Volume Sources

** LINE VOLUME Source ID = SLINE4

** DESCRSRC On-Site Idling Building 2

** PREFIX

** Length of Side = 8.50

** Configuration = Adjacent

** Emission Rate = 0.00005682

AERMOD LSTs Operational Output

** Vertical Dimension = 4.00

** SZINIT = 1.86

** Nodes = 2

** 477756.670, 3748942.717, 453.94, 4.00, 3.95

** 477756.670, 3748877.200, 453.03, 4.00, 3.95

**

LOCATION L0002985	VOLUME	477756.670	3748938.467	454.00
LOCATION L0002986	VOLUME	477756.670	3748929.967	453.80
LOCATION L0002987	VOLUME	477756.670	3748921.467	453.55
LOCATION L0002988	VOLUME	477756.670	3748912.967	453.30
LOCATION L0002989	VOLUME	477756.670	3748904.467	453.10
LOCATION L0002990	VOLUME	477756.670	3748895.967	453.10
LOCATION L0002991	VOLUME	477756.670	3748887.467	453.10
LOCATION L0002992	VOLUME	477756.670	3748878.967	453.10

** End of LINE VOLUME Source ID = SLINE4

**

** Line Source Represented by Adjacent Volume Sources

** LINE VOLUME Source ID = SLINE5

** DESCRSRC On-site Idling Building 3

** PREFIX

** Length of Side = 8.50

** Configuration = Adjacent

** Emission Rate = 0.00004502

** Vertical Dimension = 4.00

** SZINIT = 1.86

** Nodes = 6

** 477895.901, 3748339.060, 451.00, 4.00, 3.95

** 477936.827, 3748338.755, 450.99, 4.00, 3.95

** 477944.157, 3748337.839, 450.98, 4.00, 3.95

** 477975.920, 3748282.559, 450.00, 4.00, 3.95

** 477978.363, 3748262.401, 450.00, 4.00, 3.95

** 477978.058, 3748213.840, 450.00, 4.00, 3.95

**

LOCATION L0002993	VOLUME	477900.151	3748339.028	451.00
LOCATION L0002994	VOLUME	477908.651	3748338.965	451.00
LOCATION L0002995	VOLUME	477917.150	3748338.902	451.00
LOCATION L0002996	VOLUME	477925.650	3748338.838	451.00
LOCATION L0002997	VOLUME	477934.150	3748338.775	451.00
LOCATION L0002998	VOLUME	477942.605	3748338.033	451.00
LOCATION L0002999	VOLUME	477947.612	3748331.825	451.00
LOCATION L0003000	VOLUME	477951.847	3748324.455	451.00
LOCATION L0003001	VOLUME	477956.082	3748317.085	450.00
LOCATION L0003002	VOLUME	477960.317	3748309.715	450.00
LOCATION L0003003	VOLUME	477964.551	3748302.345	450.00
LOCATION L0003004	VOLUME	477968.786	3748294.975	450.00
LOCATION L0003005	VOLUME	477973.021	3748287.605	450.00
LOCATION L0003006	VOLUME	477976.242	3748279.898	450.00
LOCATION L0003007	VOLUME	477977.265	3748271.460	450.00

AERMOD LSTs Operational Output

LOCATION L0003008	VOLUME	477978.288	3748263.022	450.00
LOCATION L0003009	VOLUME	477978.314	3748254.526	450.00
LOCATION L0003010	VOLUME	477978.260	3748246.026	450.00
LOCATION L0003011	VOLUME	477978.207	3748237.527	450.00
LOCATION L0003012	VOLUME	477978.153	3748229.027	450.00
LOCATION L0003013	VOLUME	477978.100	3748220.527	450.00

** End of LINE VOLUME Source ID = SLINE5

**

** Line Source Represented by Adjacent Volume Sources

** LINE VOLUME Source ID = SLINE6

** DESCRSRC On-Site Idling Building 4

** PREFIX

** Length of Side = 8.50

** Configuration = Adjacent

** Emission Rate = 0.000077

** Vertical Dimension = 4.00

** SZINIT = 1.86

** Nodes = 2

** 477608.667, 3748933.539, 454.00, 0.00, 3.95

** 477608.667, 3748808.378, 454.00, 0.00, 3.95

**

LOCATION L0003014	VOLUME	477608.667	3748929.289	454.00
LOCATION L0003015	VOLUME	477608.667	3748920.789	454.00
LOCATION L0003016	VOLUME	477608.667	3748912.289	454.00
LOCATION L0003017	VOLUME	477608.667	3748903.789	454.00
LOCATION L0003018	VOLUME	477608.667	3748895.289	454.00
LOCATION L0003019	VOLUME	477608.667	3748886.789	454.00
LOCATION L0003020	VOLUME	477608.667	3748878.289	454.00
LOCATION L0003021	VOLUME	477608.667	3748869.789	454.00
LOCATION L0003022	VOLUME	477608.667	3748861.289	454.00
LOCATION L0003023	VOLUME	477608.667	3748852.789	454.00
LOCATION L0003024	VOLUME	477608.667	3748844.289	454.00
LOCATION L0003025	VOLUME	477608.667	3748835.789	454.00
LOCATION L0003026	VOLUME	477608.667	3748827.289	454.00
LOCATION L0003027	VOLUME	477608.667	3748818.789	454.00
LOCATION L0003028	VOLUME	477608.667	3748810.289	454.00

** End of LINE VOLUME Source ID = SLINE6

**

** Line Source Represented by Adjacent Volume Sources

** LINE VOLUME Source ID = SLINE2

** DESCRSRC On-Site Idling South of Building 1

** PREFIX

** Length of Side = 30.00

** Configuration = Adjacent

** Emission Rate = 0.00003477

** Vertical Dimension = 4.00

** SZINIT = 1.86

** Nodes = 2

AERMOD LSTs Operational Output

** 478028.009, 3748335.520, 450.99, 0.00, 13.95

** 478166.972, 3748332.512, 450.89, 0.00, 13.95

** -----

LOCATION L0003029 VOLUME 478043.005 3748335.195 451.00

LOCATION L0003030 VOLUME 478072.998 3748334.546 451.00

LOCATION L0003031 VOLUME 478102.991 3748333.897 451.00

LOCATION L0003032 VOLUME 478132.984 3748333.248 451.00

LOCATION L0003033 VOLUME 478162.977 3748332.598 451.00

** End of LINE VOLUME Source ID = SLINE2

** -----

** Line Source Represented by Adjacent Volume Sources

** LINE VOLUME Source ID = SLINE7

** DESCRSRC On-Site Travel Building 1

** PREFIX

** Length of Side = 8.50

** Configuration = Adjacent

** Emission Rate = 0.001543

** Vertical Dimension = 4.00

** SZINIT = 1.86

** Nodes = 10

** 477952.409, 3748975.666, 453.00, 4.00, 3.95

** 477951.898, 3748949.071, 453.00, 4.00, 3.95

** 477948.317, 3748924.522, 453.00, 4.00, 3.95

** 477947.295, 3748869.798, 453.00, 4.00, 3.95

** 477944.226, 3748488.264, 451.01, 4.00, 3.95

** 478016.339, 3748353.755, 451.00, 4.00, 3.95

** 478027.591, 3748336.366, 450.99, 4.00, 3.95

** 478215.801, 3748338.412, 450.97, 4.00, 3.95

** 478219.892, 3748913.271, 453.00, 4.00, 3.95

** 478201.992, 3748972.086, 453.00, 4.00, 3.95

** -----

LOCATION L0003034 VOLUME 477952.327 3748971.417 453.00

LOCATION L0003035 VOLUME 477952.164 3748962.918 453.00

LOCATION L0003036 VOLUME 477952.001 3748954.420 453.00

LOCATION L0003037 VOLUME 477951.443 3748945.954 453.00

LOCATION L0003038 VOLUME 477950.216 3748937.543 453.00

LOCATION L0003039 VOLUME 477948.989 3748929.132 453.00

LOCATION L0003040 VOLUME 477948.245 3748920.681 453.00

LOCATION L0003041 VOLUME 477948.087 3748912.183 453.00

LOCATION L0003042 VOLUME 477947.928 3748903.684 453.00

LOCATION L0003043 VOLUME 477947.769 3748895.186 453.00

LOCATION L0003044 VOLUME 477947.610 3748886.687 453.00

LOCATION L0003045 VOLUME 477947.452 3748878.189 453.00

LOCATION L0003046 VOLUME 477947.294 3748869.690 453.00

LOCATION L0003047 VOLUME 477947.226 3748861.191 453.00

LOCATION L0003048 VOLUME 477947.157 3748852.691 453.00

LOCATION L0003049 VOLUME 477947.089 3748844.191 453.00

LOCATION L0003050 VOLUME 477947.021 3748835.691 453.00

AERMOD LSTs Operational Output

LOCATION L0003051	VOLUME	477946.952	3748827.192	453.00
LOCATION L0003052	VOLUME	477946.884	3748818.692	453.00
LOCATION L0003053	VOLUME	477946.816	3748810.192	453.00
LOCATION L0003054	VOLUME	477946.747	3748801.692	453.00
LOCATION L0003055	VOLUME	477946.679	3748793.193	453.00
LOCATION L0003056	VOLUME	477946.610	3748784.693	453.00
LOCATION L0003057	VOLUME	477946.542	3748776.193	453.00
LOCATION L0003058	VOLUME	477946.474	3748767.694	453.00
LOCATION L0003059	VOLUME	477946.405	3748759.194	453.00
LOCATION L0003060	VOLUME	477946.337	3748750.694	453.00
LOCATION L0003061	VOLUME	477946.269	3748742.194	453.00
LOCATION L0003062	VOLUME	477946.200	3748733.695	453.00
LOCATION L0003063	VOLUME	477946.132	3748725.195	453.00
LOCATION L0003064	VOLUME	477946.063	3748716.695	453.00
LOCATION L0003065	VOLUME	477945.995	3748708.195	453.00
LOCATION L0003066	VOLUME	477945.927	3748699.696	453.00
LOCATION L0003067	VOLUME	477945.858	3748691.196	452.82
LOCATION L0003068	VOLUME	477945.790	3748682.696	452.54
LOCATION L0003069	VOLUME	477945.722	3748674.197	452.25
LOCATION L0003070	VOLUME	477945.653	3748665.697	452.00
LOCATION L0003071	VOLUME	477945.585	3748657.197	452.00
LOCATION L0003072	VOLUME	477945.517	3748648.697	452.00
LOCATION L0003073	VOLUME	477945.448	3748640.198	452.00
LOCATION L0003074	VOLUME	477945.380	3748631.698	452.00
LOCATION L0003075	VOLUME	477945.311	3748623.198	452.00
LOCATION L0003076	VOLUME	477945.243	3748614.699	452.00
LOCATION L0003077	VOLUME	477945.175	3748606.199	452.00
LOCATION L0003078	VOLUME	477945.106	3748597.699	452.00
LOCATION L0003079	VOLUME	477945.038	3748589.199	452.00
LOCATION L0003080	VOLUME	477944.970	3748580.700	452.00
LOCATION L0003081	VOLUME	477944.901	3748572.200	452.00
LOCATION L0003082	VOLUME	477944.833	3748563.700	452.00
LOCATION L0003083	VOLUME	477944.764	3748555.200	452.00
LOCATION L0003084	VOLUME	477944.696	3748546.701	452.00
LOCATION L0003085	VOLUME	477944.628	3748538.201	452.00
LOCATION L0003086	VOLUME	477944.559	3748529.701	452.00
LOCATION L0003087	VOLUME	477944.491	3748521.202	452.00
LOCATION L0003088	VOLUME	477944.423	3748512.702	451.87
LOCATION L0003089	VOLUME	477944.354	3748504.202	451.59
LOCATION L0003090	VOLUME	477944.286	3748495.702	451.30
LOCATION L0003091	VOLUME	477944.218	3748487.202	451.03
LOCATION L0003092	VOLUME	477948.744	3748479.837	451.00
LOCATION L0003093	VOLUME	477952.760	3748472.346	451.00
LOCATION L0003094	VOLUME	477956.776	3748464.855	451.00
LOCATION L0003095	VOLUME	477960.792	3748457.363	451.00
LOCATION L0003096	VOLUME	477964.809	3748449.872	451.00
LOCATION L0003097	VOLUME	477968.825	3748442.381	451.00
LOCATION L0003098	VOLUME	477972.841	3748434.889	451.00

AERMOD LSTs Operational Output

LOCATION	L0003099	VOLUME	477976.857	3748427.398	451.00
LOCATION	L0003100	VOLUME	477980.874	3748419.907	451.00
LOCATION	L0003101	VOLUME	477984.890	3748412.415	451.00
LOCATION	L0003102	VOLUME	477988.906	3748404.924	451.00
LOCATION	L0003103	VOLUME	477992.922	3748397.433	451.00
LOCATION	L0003104	VOLUME	477996.939	3748389.941	451.00
LOCATION	L0003105	VOLUME	478000.955	3748382.450	451.00
LOCATION	L0003106	VOLUME	478004.971	3748374.959	451.00
LOCATION	L0003107	VOLUME	478008.987	3748367.468	451.00
LOCATION	L0003108	VOLUME	478013.004	3748359.976	451.00
LOCATION	L0003109	VOLUME	478017.122	3748352.545	451.00
LOCATION	L0003110	VOLUME	478021.740	3748345.409	451.00
LOCATION	L0003111	VOLUME	478026.357	3748338.273	451.00
LOCATION	L0003112	VOLUME	478033.820	3748336.434	451.00
LOCATION	L0003113	VOLUME	478042.319	3748336.526	451.00
LOCATION	L0003114	VOLUME	478050.819	3748336.619	451.00
LOCATION	L0003115	VOLUME	478059.318	3748336.711	451.00
LOCATION	L0003116	VOLUME	478067.818	3748336.803	451.00
LOCATION	L0003117	VOLUME	478076.317	3748336.896	451.00
LOCATION	L0003118	VOLUME	478084.817	3748336.988	451.00
LOCATION	L0003119	VOLUME	478093.316	3748337.080	451.00
LOCATION	L0003120	VOLUME	478101.816	3748337.173	451.00
LOCATION	L0003121	VOLUME	478110.315	3748337.265	451.00
LOCATION	L0003122	VOLUME	478118.815	3748337.358	451.00
LOCATION	L0003123	VOLUME	478127.314	3748337.450	451.00
LOCATION	L0003124	VOLUME	478135.814	3748337.542	451.00
LOCATION	L0003125	VOLUME	478144.313	3748337.635	451.00
LOCATION	L0003126	VOLUME	478152.813	3748337.727	451.00
LOCATION	L0003127	VOLUME	478161.312	3748337.820	451.00
LOCATION	L0003128	VOLUME	478169.812	3748337.912	451.00
LOCATION	L0003129	VOLUME	478178.311	3748338.004	451.00
LOCATION	L0003130	VOLUME	478186.811	3748338.097	451.00
LOCATION	L0003131	VOLUME	478195.310	3748338.189	451.00
LOCATION	L0003132	VOLUME	478203.810	3748338.282	451.00
LOCATION	L0003133	VOLUME	478212.309	3748338.374	451.00
LOCATION	L0003134	VOLUME	478215.837	3748343.420	451.00
LOCATION	L0003135	VOLUME	478215.897	3748351.920	451.00
LOCATION	L0003136	VOLUME	478215.958	3748360.419	451.00
LOCATION	L0003137	VOLUME	478216.018	3748368.919	451.00
LOCATION	L0003138	VOLUME	478216.079	3748377.419	451.00
LOCATION	L0003139	VOLUME	478216.139	3748385.919	451.00
LOCATION	L0003140	VOLUME	478216.200	3748394.419	451.00
LOCATION	L0003141	VOLUME	478216.260	3748402.918	451.00
LOCATION	L0003142	VOLUME	478216.321	3748411.418	451.00
LOCATION	L0003143	VOLUME	478216.381	3748419.918	451.00
LOCATION	L0003144	VOLUME	478216.442	3748428.418	451.00
LOCATION	L0003145	VOLUME	478216.502	3748436.918	451.00
LOCATION	L0003146	VOLUME	478216.563	3748445.417	451.00

AERMOD LSTs Operational Output

LOCATION	L0003147	VOLUME	478216.623	3748453.917	451.00
LOCATION	L0003148	VOLUME	478216.683	3748462.417	451.04
LOCATION	L0003149	VOLUME	478216.744	3748470.917	451.11
LOCATION	L0003150	VOLUME	478216.804	3748479.416	451.18
LOCATION	L0003151	VOLUME	478216.865	3748487.916	451.27
LOCATION	L0003152	VOLUME	478216.925	3748496.416	451.49
LOCATION	L0003153	VOLUME	478216.986	3748504.916	451.70
LOCATION	L0003154	VOLUME	478217.046	3748513.416	451.92
LOCATION	L0003155	VOLUME	478217.107	3748521.915	452.00
LOCATION	L0003156	VOLUME	478217.167	3748530.415	452.00
LOCATION	L0003157	VOLUME	478217.228	3748538.915	452.00
LOCATION	L0003158	VOLUME	478217.288	3748547.415	452.00
LOCATION	L0003159	VOLUME	478217.349	3748555.915	452.00
LOCATION	L0003160	VOLUME	478217.409	3748564.414	452.00
LOCATION	L0003161	VOLUME	478217.470	3748572.914	452.00
LOCATION	L0003162	VOLUME	478217.530	3748581.414	452.00
LOCATION	L0003163	VOLUME	478217.591	3748589.914	452.00
LOCATION	L0003164	VOLUME	478217.651	3748598.413	452.00
LOCATION	L0003165	VOLUME	478217.712	3748606.913	452.00
LOCATION	L0003166	VOLUME	478217.772	3748615.413	452.00
LOCATION	L0003167	VOLUME	478217.833	3748623.913	452.00
LOCATION	L0003168	VOLUME	478217.893	3748632.413	452.00
LOCATION	L0003169	VOLUME	478217.954	3748640.912	452.00
LOCATION	L0003170	VOLUME	478218.014	3748649.412	452.00
LOCATION	L0003171	VOLUME	478218.075	3748657.912	452.00
LOCATION	L0003172	VOLUME	478218.135	3748666.412	452.00
LOCATION	L0003173	VOLUME	478218.196	3748674.912	452.00
LOCATION	L0003174	VOLUME	478218.256	3748683.411	452.00
LOCATION	L0003175	VOLUME	478218.317	3748691.911	452.00
LOCATION	L0003176	VOLUME	478218.377	3748700.411	452.00
LOCATION	L0003177	VOLUME	478218.438	3748708.911	452.00
LOCATION	L0003178	VOLUME	478218.498	3748717.410	452.00
LOCATION	L0003179	VOLUME	478218.559	3748725.910	452.00
LOCATION	L0003180	VOLUME	478218.619	3748734.410	452.00
LOCATION	L0003181	VOLUME	478218.680	3748742.910	452.00
LOCATION	L0003182	VOLUME	478218.740	3748751.410	452.00
LOCATION	L0003183	VOLUME	478218.801	3748759.909	452.00
LOCATION	L0003184	VOLUME	478218.861	3748768.409	452.00
LOCATION	L0003185	VOLUME	478218.922	3748776.909	452.00
LOCATION	L0003186	VOLUME	478218.982	3748785.409	452.00
LOCATION	L0003187	VOLUME	478219.043	3748793.908	452.25
LOCATION	L0003188	VOLUME	478219.103	3748802.408	452.53
LOCATION	L0003189	VOLUME	478219.164	3748810.908	452.81
LOCATION	L0003190	VOLUME	478219.224	3748819.408	453.00
LOCATION	L0003191	VOLUME	478219.285	3748827.908	453.00
LOCATION	L0003192	VOLUME	478219.345	3748836.407	453.00
LOCATION	L0003193	VOLUME	478219.405	3748844.907	453.00
LOCATION	L0003194	VOLUME	478219.466	3748853.407	453.00

AERMOD LSTs Operational Output

LOCATION L0003195	VOLUME	478219.526	3748861.907	453.00
LOCATION L0003196	VOLUME	478219.587	3748870.407	453.00
LOCATION L0003197	VOLUME	478219.647	3748878.906	453.00
LOCATION L0003198	VOLUME	478219.708	3748887.406	453.00
LOCATION L0003199	VOLUME	478219.768	3748895.906	453.00
LOCATION L0003200	VOLUME	478219.829	3748904.406	453.00
LOCATION L0003201	VOLUME	478219.889	3748912.905	453.00
LOCATION L0003202	VOLUME	478217.524	3748921.053	453.00
LOCATION L0003203	VOLUME	478215.049	3748929.185	453.00
LOCATION L0003204	VOLUME	478212.574	3748937.317	453.00
LOCATION L0003205	VOLUME	478210.099	3748945.448	453.00
LOCATION L0003206	VOLUME	478207.624	3748953.580	453.00
LOCATION L0003207	VOLUME	478205.149	3748961.712	453.00
LOCATION L0003208	VOLUME	478202.675	3748969.843	453.00

** End of LINE VOLUME Source ID = SLINE7

** -----

** Line Source Represented by Adjacent Volume Sources

** LINE VOLUME Source ID = SLINE8

** DESCRSRC On-Site Travel Building 2

** PREFIX

** Length of Side = 8.50

** Configuration = Adjacent

** Emission Rate = 0.0001108

** Vertical Dimension = 4.00

** SZINIT = 1.86

** Nodes = 9

** 477852.753, 3748830.967, 453.00, 4.00, 3.95

** 477853.554, 3748979.688, 453.09, 4.00, 3.95

** 477742.747, 3748979.421, 454.00, 4.00, 3.95

** 477742.213, 3748884.901, 453.70, 4.00, 3.95

** 477754.762, 3748840.579, 453.84, 4.00, 3.95

** 477770.249, 3748826.695, 453.00, 4.00, 3.95

** 477798.284, 3748826.161, 453.00, 4.00, 3.95

** 477843.675, 3748825.894, 453.00, 4.00, 3.95

** 477853.554, 3748825.627, 453.00, 4.00, 3.95

** -----

LOCATION L0003209	VOLUME	477852.776	3748835.217	453.00
LOCATION L0003210	VOLUME	477852.822	3748843.717	453.00
LOCATION L0003211	VOLUME	477852.867	3748852.217	453.00
LOCATION L0003212	VOLUME	477852.913	3748860.717	453.00
LOCATION L0003213	VOLUME	477852.959	3748869.216	453.00
LOCATION L0003214	VOLUME	477853.005	3748877.716	453.00
LOCATION L0003215	VOLUME	477853.051	3748886.216	453.00
LOCATION L0003216	VOLUME	477853.096	3748894.716	453.00
LOCATION L0003217	VOLUME	477853.142	3748903.216	453.00
LOCATION L0003218	VOLUME	477853.188	3748911.716	453.00
LOCATION L0003219	VOLUME	477853.234	3748920.216	453.00
LOCATION L0003220	VOLUME	477853.279	3748928.716	453.00

AERMOD LSTs Operational Output

LOCATION	L0003221	VOLUME	477853.325	3748937.215	453.00
LOCATION	L0003222	VOLUME	477853.371	3748945.715	453.00
LOCATION	L0003223	VOLUME	477853.417	3748954.215	453.00
LOCATION	L0003224	VOLUME	477853.463	3748962.715	453.00
LOCATION	L0003225	VOLUME	477853.508	3748971.215	453.16
LOCATION	L0003226	VOLUME	477853.527	3748979.688	453.44
LOCATION	L0003227	VOLUME	477845.027	3748979.667	453.53
LOCATION	L0003228	VOLUME	477836.527	3748979.647	453.69
LOCATION	L0003229	VOLUME	477828.027	3748979.626	453.85
LOCATION	L0003230	VOLUME	477819.527	3748979.606	454.00
LOCATION	L0003231	VOLUME	477811.027	3748979.586	454.00
LOCATION	L0003232	VOLUME	477802.527	3748979.565	454.00
LOCATION	L0003233	VOLUME	477794.027	3748979.545	454.00
LOCATION	L0003234	VOLUME	477785.527	3748979.524	454.00
LOCATION	L0003235	VOLUME	477777.027	3748979.504	454.00
LOCATION	L0003236	VOLUME	477768.527	3748979.483	454.00
LOCATION	L0003237	VOLUME	477760.027	3748979.463	454.00
LOCATION	L0003238	VOLUME	477751.527	3748979.442	454.00
LOCATION	L0003239	VOLUME	477743.027	3748979.422	454.00
LOCATION	L0003240	VOLUME	477742.701	3748971.202	454.00
LOCATION	L0003241	VOLUME	477742.653	3748962.702	454.00
LOCATION	L0003242	VOLUME	477742.605	3748954.202	454.00
LOCATION	L0003243	VOLUME	477742.557	3748945.702	454.00
LOCATION	L0003244	VOLUME	477742.508	3748937.202	454.00
LOCATION	L0003245	VOLUME	477742.460	3748928.702	453.89
LOCATION	L0003246	VOLUME	477742.412	3748920.202	453.77
LOCATION	L0003247	VOLUME	477742.364	3748911.703	453.65
LOCATION	L0003248	VOLUME	477742.316	3748903.203	453.58
LOCATION	L0003249	VOLUME	477742.268	3748894.703	453.58
LOCATION	L0003250	VOLUME	477742.220	3748886.203	453.59
LOCATION	L0003251	VOLUME	477744.174	3748877.975	453.52
LOCATION	L0003252	VOLUME	477746.490	3748869.797	453.57
LOCATION	L0003253	VOLUME	477748.805	3748861.618	453.68
LOCATION	L0003254	VOLUME	477751.121	3748853.440	453.84
LOCATION	L0003255	VOLUME	477753.436	3748845.261	453.96
LOCATION	L0003256	VOLUME	477757.468	3748838.153	453.72
LOCATION	L0003257	VOLUME	477763.797	3748832.479	453.46
LOCATION	L0003258	VOLUME	477770.126	3748826.806	453.22
LOCATION	L0003259	VOLUME	477778.582	3748826.536	453.12
LOCATION	L0003260	VOLUME	477787.080	3748826.374	453.03
LOCATION	L0003261	VOLUME	477795.579	3748826.213	453.00
LOCATION	L0003262	VOLUME	477804.078	3748826.127	453.00
LOCATION	L0003263	VOLUME	477812.578	3748826.077	453.00
LOCATION	L0003264	VOLUME	477821.078	3748826.027	453.00
LOCATION	L0003265	VOLUME	477829.578	3748825.977	453.00
LOCATION	L0003266	VOLUME	477838.078	3748825.927	453.00
LOCATION	L0003267	VOLUME	477846.576	3748825.816	453.00

** End of LINE VOLUME Source ID = SLINE8

AERMOD LSTs Operational Output

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** -----
** Line Source Represented by Adjacent Volume Sources
** LINE VOLUME Source ID = SLINE9
** DESCRSRC On-Site Travel Building 3
** PREFIX
** Length of Side = 8.50
** Configuration = Adjacent
** Emission Rate = 0.0000725
** Vertical Dimension = 4.00
** SZINIT = 1.86
** Nodes = 12
** 477886.740, 3748199.498, 450.00, 4.00, 3.95
** 477885.465, 3748255.245, 450.85, 4.00, 3.95
** 477886.421, 3748337.112, 451.00, 4.00, 3.95
** 477917.002, 3748339.979, 451.00, 4.00, 3.95
** 477941.530, 3748338.068, 451.00, 4.00, 3.95
** 477951.087, 3748325.007, 450.71, 4.00, 3.95
** 477974.978, 3748285.507, 450.00, 4.00, 3.95
** 477981.349, 3748257.156, 450.00, 4.00, 3.95
** 477978.164, 3748219.567, 450.00, 4.00, 3.95
** 477993.877, 3748210.463, 450.00, 4.00, 3.95
** 477994.148, 3748197.465, 450.00, 4.00, 3.95
** 477931.056, 3748197.465, 450.00, 4.00, 3.95
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LOCATION L0003268	VOLUME	477886.643	3748203.747	450.00
LOCATION L0003269	VOLUME	477886.448	3748212.245	450.00
LOCATION L0003270	VOLUME	477886.254	3748220.742	450.12
LOCATION L0003271	VOLUME	477886.060	3748229.240	450.34
LOCATION L0003272	VOLUME	477885.865	3748237.738	450.57
LOCATION L0003273	VOLUME	477885.671	3748246.236	450.81
LOCATION L0003274	VOLUME	477885.477	3748254.734	450.87
LOCATION L0003275	VOLUME	477885.558	3748263.233	450.92
LOCATION L0003276	VOLUME	477885.658	3748271.732	450.97
LOCATION L0003277	VOLUME	477885.757	3748280.232	451.00
LOCATION L0003278	VOLUME	477885.856	3748288.731	451.00
LOCATION L0003279	VOLUME	477885.955	3748297.231	451.00
LOCATION L0003280	VOLUME	477886.055	3748305.730	451.00
LOCATION L0003281	VOLUME	477886.154	3748314.229	451.00
LOCATION L0003282	VOLUME	477886.253	3748322.729	451.00
LOCATION L0003283	VOLUME	477886.352	3748331.228	451.00
LOCATION L0003284	VOLUME	477889.025	3748337.356	451.00
LOCATION L0003285	VOLUME	477897.488	3748338.150	451.00
LOCATION L0003286	VOLUME	477905.951	3748338.943	451.00
LOCATION L0003287	VOLUME	477914.414	3748339.736	451.00
LOCATION L0003288	VOLUME	477922.885	3748339.521	451.00
LOCATION L0003289	VOLUME	477931.359	3748338.860	451.00
LOCATION L0003290	VOLUME	477939.834	3748338.200	451.00
LOCATION L0003291	VOLUME	477945.545	3748332.582	451.00

AERMOD LSTs Operational Output

LOCATION L0003292	VOLUME	477950.564	3748325.722	451.00
LOCATION L0003293	VOLUME	477955.028	3748318.492	450.00
LOCATION L0003294	VOLUME	477959.427	3748311.219	450.00
LOCATION L0003295	VOLUME	477963.826	3748303.945	450.00
LOCATION L0003296	VOLUME	477968.225	3748296.672	450.00
LOCATION L0003297	VOLUME	477972.624	3748289.399	450.00
LOCATION L0003298	VOLUME	477975.844	3748281.652	450.00
LOCATION L0003299	VOLUME	477977.708	3748273.359	450.00
LOCATION L0003300	VOLUME	477979.572	3748265.066	450.00
LOCATION L0003301	VOLUME	477981.316	3748256.764	450.00
LOCATION L0003302	VOLUME	477980.598	3748248.295	450.00
LOCATION L0003303	VOLUME	477979.880	3748239.825	450.00
LOCATION L0003304	VOLUME	477979.163	3748231.355	450.00
LOCATION L0003305	VOLUME	477978.445	3748222.886	450.00
LOCATION L0003306	VOLUME	477982.637	3748216.975	450.00
LOCATION L0003307	VOLUME	477989.992	3748212.714	450.00
LOCATION L0003308	VOLUME	477993.961	3748206.454	450.00
LOCATION L0003309	VOLUME	477994.138	3748197.956	450.00
LOCATION L0003310	VOLUME	477986.139	3748197.465	450.00
LOCATION L0003311	VOLUME	477977.639	3748197.465	450.00
LOCATION L0003312	VOLUME	477969.139	3748197.465	450.00
LOCATION L0003313	VOLUME	477960.639	3748197.465	450.00
LOCATION L0003314	VOLUME	477952.139	3748197.465	450.00
LOCATION L0003315	VOLUME	477943.639	3748197.465	450.00
LOCATION L0003316	VOLUME	477935.139	3748197.465	450.00

** End of LINE VOLUME Source ID = SLINE9

** -----

** Line Source Represented by Adjacent Volume Sources

** LINE VOLUME Source ID = SLINE10

** DESCRSRC On-Site Travel Building 4

** PREFIX

** Length of Side = 8.50

** Configuration = Adjacent

** Emission Rate = 0.0001263

** Vertical Dimension = 4.00

** SZINIT = 1.86

** Nodes = 7

** 477500.822, 3748975.810, 454.06, 4.00, 3.95

** 477598.310, 3748973.915, 454.00, 4.00, 3.95

** 477610.497, 3748965.249, 454.00, 4.00, 3.95

** 477618.891, 3748935.461, 454.00, 4.00, 3.95

** 477626.203, 3748899.986, 454.00, 4.00, 3.95

** 477627.557, 3748795.456, 454.00, 4.00, 3.95

** 477487.823, 3748799.247, 454.00, 4.00, 3.95

** -----

LOCATION L0003317	VOLUME	477505.071	3748975.727	454.15
LOCATION L0003318	VOLUME	477513.570	3748975.562	454.06
LOCATION L0003319	VOLUME	477522.068	3748975.397	454.00

AERMOD LSTs Operational Output

LOCATION	L0003320	VOLUME	477530.566	3748975.232	454.00
LOCATION	L0003321	VOLUME	477539.065	3748975.067	454.00
LOCATION	L0003322	VOLUME	477547.563	3748974.901	454.00
LOCATION	L0003323	VOLUME	477556.062	3748974.736	454.00
LOCATION	L0003324	VOLUME	477564.560	3748974.571	454.00
LOCATION	L0003325	VOLUME	477573.058	3748974.406	454.00
LOCATION	L0003326	VOLUME	477581.557	3748974.241	454.00
LOCATION	L0003327	VOLUME	477590.055	3748974.075	454.00
LOCATION	L0003328	VOLUME	477598.509	3748973.774	454.00
LOCATION	L0003329	VOLUME	477605.436	3748968.848	454.00
LOCATION	L0003330	VOLUME	477611.118	3748963.045	454.00
LOCATION	L0003331	VOLUME	477613.423	3748954.864	454.00
LOCATION	L0003332	VOLUME	477615.729	3748946.682	454.00
LOCATION	L0003333	VOLUME	477618.034	3748938.501	454.00
LOCATION	L0003334	VOLUME	477619.969	3748930.229	454.00
LOCATION	L0003335	VOLUME	477621.685	3748921.904	454.00
LOCATION	L0003336	VOLUME	477623.401	3748913.579	454.00
LOCATION	L0003337	VOLUME	477625.117	3748905.254	454.00
LOCATION	L0003338	VOLUME	477626.243	3748896.866	454.00
LOCATION	L0003339	VOLUME	477626.354	3748888.366	454.00
LOCATION	L0003340	VOLUME	477626.464	3748879.867	454.00
LOCATION	L0003341	VOLUME	477626.574	3748871.368	454.00
LOCATION	L0003342	VOLUME	477626.684	3748862.868	454.00
LOCATION	L0003343	VOLUME	477626.794	3748854.369	454.00
LOCATION	L0003344	VOLUME	477626.904	3748845.870	454.00
LOCATION	L0003345	VOLUME	477627.014	3748837.370	454.00
LOCATION	L0003346	VOLUME	477627.124	3748828.871	454.00
LOCATION	L0003347	VOLUME	477627.234	3748820.372	454.00
LOCATION	L0003348	VOLUME	477627.344	3748811.873	454.00
LOCATION	L0003349	VOLUME	477627.454	3748803.373	454.00
LOCATION	L0003350	VOLUME	477626.975	3748795.472	454.00
LOCATION	L0003351	VOLUME	477618.478	3748795.702	454.00
LOCATION	L0003352	VOLUME	477609.981	3748795.933	454.00
LOCATION	L0003353	VOLUME	477601.485	3748796.163	454.00
LOCATION	L0003354	VOLUME	477592.988	3748796.394	454.00
LOCATION	L0003355	VOLUME	477584.491	3748796.624	454.00
LOCATION	L0003356	VOLUME	477575.994	3748796.855	454.00
LOCATION	L0003357	VOLUME	477567.497	3748797.085	454.00
LOCATION	L0003358	VOLUME	477559.000	3748797.316	454.00
LOCATION	L0003359	VOLUME	477550.503	3748797.546	454.00
LOCATION	L0003360	VOLUME	477542.006	3748797.777	454.00
LOCATION	L0003361	VOLUME	477533.510	3748798.008	454.00
LOCATION	L0003362	VOLUME	477525.013	3748798.238	454.00
LOCATION	L0003363	VOLUME	477516.516	3748798.469	454.00
LOCATION	L0003364	VOLUME	477508.019	3748798.699	454.00
LOCATION	L0003365	VOLUME	477499.522	3748798.930	454.00
LOCATION	L0003366	VOLUME	477491.025	3748799.160	454.00

** End of LINE VOLUME Source ID = SLINE10

```

                                AERMOD LSTs Operational Output
LOCATION AREA1          AREA      477895.770  3748485.620      451.990
** DESCRSRC On-Site Equipment West of Building 1
LOCATION AREA2          AREA      478189.330  3748386.890      451.000
** DESCRSRC On-Site Equipment East of Building 1
LOCATION AREA3          AREA      478027.410  3748303.650      450.000
** DESCRSRC On-Site Equipment South of Building 1
LOCATION AREA4          AREA      477696.200  3748836.040      454.000
** DESCRSRC On-Site Idling Building 2
LOCATION AREA5          AREA      477967.690  3748183.560      450.000
** DESCRSRC On-Site Equipment Building 3
LOCATION AREA6          AREA      477599.310  3748788.100      454.000
** DESCRSRC On-Site Equipment Building 4
LOCATION STCK1          POINT      478197.320  3748887.470      453.000
** DESCRSRC Building 1
LOCATION STCK2          POINT      478195.108  3748735.565      452.000
** DESCRSRC Building 1
LOCATION STCK3          POINT      478195.845  3748573.336      452.000
** DESCRSRC Building 1
LOCATION STCK4          POINT      478198.057  3748428.068      451.000
** DESCRSRC Building 1
LOCATION STCK5          POINT      477956.189  3748894.107      453.000
** DESCRSRC Building 1
LOCATION STCK6          POINT      477962.088  3748741.464      453.000
** DESCRSRC Building 1
LOCATION STCK7          POINT      477962.826  3748581.448      452.000
** DESCRSRC Building 1
LOCATION STCK8          POINT      477964.301  3748509.920      451.780
** DESCRSRC Building 1
LOCATION STCK9          POINT      478049.102  3748355.802      451.000
** DESCRSRC Building 1
LOCATION STCK10         POINT      478153.076  3748357.277      451.000
** DESCRSRC Building 1
LOCATION STCK11         POINT      477756.390  3748910.945      453.240
** DESCRSRC Building 2
LOCATION STCK12         POINT      477975.834  3748266.902      450.000
** DESCRSRC Building 3
LOCATION STCK13         POINT      477612.475  3748890.532      454.000
** DESCRSRC Building 4
** -----
** Line Source Represented by Adjacent Volume Sources
** LINE VOLUME Source ID = SLINE11
** DESCRSRC PC On-Site Idling North of Building 1
** PREFIX
** Length of Side = 8.50
** Configuration = Adjacent
** Emission Rate = 0.00005323
** Vertical Dimension = 3.00
** SZINIT = 1.40

```

AERMOD LSTs Operational Output

** Nodes = 4

** 477922.477, 3748915.885, 453.00, 0.00, 3.95

** 477920.632, 3748955.547, 453.00, 0.00, 3.95

** 478225.010, 3748957.391, 453.00, 0.00, 3.95

** 478225.010, 3748921.419, 453.00, 0.00, 3.95

**

LOCATION	L0003367	VOLUME	477922.279	3748920.131	453.00
LOCATION	L0003368	VOLUME	477921.884	3748928.621	453.00
LOCATION	L0003369	VOLUME	477921.489	3748937.112	453.00
LOCATION	L0003370	VOLUME	477921.095	3748945.603	453.00
LOCATION	L0003371	VOLUME	477920.700	3748954.094	453.00
LOCATION	L0003372	VOLUME	477927.678	3748955.589	453.00
LOCATION	L0003373	VOLUME	477936.177	3748955.641	453.00
LOCATION	L0003374	VOLUME	477944.677	3748955.692	453.00
LOCATION	L0003375	VOLUME	477953.177	3748955.744	453.00
LOCATION	L0003376	VOLUME	477961.677	3748955.795	453.00
LOCATION	L0003377	VOLUME	477970.177	3748955.847	453.00
LOCATION	L0003378	VOLUME	477978.677	3748955.898	453.00
LOCATION	L0003379	VOLUME	477987.177	3748955.950	453.00
LOCATION	L0003380	VOLUME	477995.676	3748956.001	453.00
LOCATION	L0003381	VOLUME	478004.176	3748956.053	453.00
LOCATION	L0003382	VOLUME	478012.676	3748956.104	453.00
LOCATION	L0003383	VOLUME	478021.176	3748956.156	453.00
LOCATION	L0003384	VOLUME	478029.676	3748956.208	453.00
LOCATION	L0003385	VOLUME	478038.176	3748956.259	453.00
LOCATION	L0003386	VOLUME	478046.675	3748956.311	453.00
LOCATION	L0003387	VOLUME	478055.175	3748956.362	453.00
LOCATION	L0003388	VOLUME	478063.675	3748956.414	453.00
LOCATION	L0003389	VOLUME	478072.175	3748956.465	453.00
LOCATION	L0003390	VOLUME	478080.675	3748956.517	453.00
LOCATION	L0003391	VOLUME	478089.175	3748956.568	453.00
LOCATION	L0003392	VOLUME	478097.675	3748956.620	453.00
LOCATION	L0003393	VOLUME	478106.174	3748956.671	453.00
LOCATION	L0003394	VOLUME	478114.674	3748956.723	453.00
LOCATION	L0003395	VOLUME	478123.174	3748956.774	453.00
LOCATION	L0003396	VOLUME	478131.674	3748956.826	453.00
LOCATION	L0003397	VOLUME	478140.174	3748956.877	453.00
LOCATION	L0003398	VOLUME	478148.674	3748956.929	453.00
LOCATION	L0003399	VOLUME	478157.173	3748956.980	453.00
LOCATION	L0003400	VOLUME	478165.673	3748957.032	453.00
LOCATION	L0003401	VOLUME	478174.173	3748957.083	453.00
LOCATION	L0003402	VOLUME	478182.673	3748957.135	453.00
LOCATION	L0003403	VOLUME	478191.173	3748957.186	453.00
LOCATION	L0003404	VOLUME	478199.673	3748957.238	453.00
LOCATION	L0003405	VOLUME	478208.172	3748957.289	453.00
LOCATION	L0003406	VOLUME	478216.672	3748957.341	453.00
LOCATION	L0003407	VOLUME	478225.010	3748957.229	453.00
LOCATION	L0003408	VOLUME	478225.010	3748948.729	453.00

AERMOD LSTs Operational Output

LOCATION L0003409	VOLUME	478225.010	3748940.229	453.00
LOCATION L0003410	VOLUME	478225.010	3748931.729	453.00
LOCATION L0003411	VOLUME	478225.010	3748923.229	453.00

** End of LINE VOLUME Source ID = SLINE11

**

** Line Source Represented by Adjacent Volume Sources

** LINE VOLUME Source ID = SLINE16

** DESCRSRC PC On-Site Travel North of Building 1

** PREFIX

** Length of Side = 8.50

** Configuration = Adjacent

** Emission Rate = 0.00002012

** Vertical Dimension = 3.00

** SZINIT = 1.40

** Nodes = 4

** 477922.477, 3748915.885, 453.00, 0.00, 3.95

** 477920.632, 3748955.547, 453.00, 0.00, 3.95

** 478225.010, 3748957.391, 453.00, 0.00, 3.95

** 478225.010, 3748921.419, 453.00, 0.00, 3.95

**

LOCATION L0003412	VOLUME	477922.279	3748920.131	453.00
LOCATION L0003413	VOLUME	477921.884	3748928.621	453.00
LOCATION L0003414	VOLUME	477921.489	3748937.112	453.00
LOCATION L0003415	VOLUME	477921.095	3748945.603	453.00
LOCATION L0003416	VOLUME	477920.700	3748954.094	453.00
LOCATION L0003417	VOLUME	477927.678	3748955.589	453.00
LOCATION L0003418	VOLUME	477936.177	3748955.641	453.00
LOCATION L0003419	VOLUME	477944.677	3748955.692	453.00
LOCATION L0003420	VOLUME	477953.177	3748955.744	453.00
LOCATION L0003421	VOLUME	477961.677	3748955.795	453.00
LOCATION L0003422	VOLUME	477970.177	3748955.847	453.00
LOCATION L0003423	VOLUME	477978.677	3748955.898	453.00
LOCATION L0003424	VOLUME	477987.177	3748955.950	453.00
LOCATION L0003425	VOLUME	477995.676	3748956.001	453.00
LOCATION L0003426	VOLUME	478004.176	3748956.053	453.00
LOCATION L0003427	VOLUME	478012.676	3748956.104	453.00
LOCATION L0003428	VOLUME	478021.176	3748956.156	453.00
LOCATION L0003429	VOLUME	478029.676	3748956.208	453.00
LOCATION L0003430	VOLUME	478038.176	3748956.259	453.00
LOCATION L0003431	VOLUME	478046.675	3748956.311	453.00
LOCATION L0003432	VOLUME	478055.175	3748956.362	453.00
LOCATION L0003433	VOLUME	478063.675	3748956.414	453.00
LOCATION L0003434	VOLUME	478072.175	3748956.465	453.00
LOCATION L0003435	VOLUME	478080.675	3748956.517	453.00
LOCATION L0003436	VOLUME	478089.175	3748956.568	453.00
LOCATION L0003437	VOLUME	478097.675	3748956.620	453.00
LOCATION L0003438	VOLUME	478106.174	3748956.671	453.00
LOCATION L0003439	VOLUME	478114.674	3748956.723	453.00

AERMOD LSTs Operational Output

LOCATION L0003440	VOLUME	478123.174	3748956.774	453.00
LOCATION L0003441	VOLUME	478131.674	3748956.826	453.00
LOCATION L0003442	VOLUME	478140.174	3748956.877	453.00
LOCATION L0003443	VOLUME	478148.674	3748956.929	453.00
LOCATION L0003444	VOLUME	478157.173	3748956.980	453.00
LOCATION L0003445	VOLUME	478165.673	3748957.032	453.00
LOCATION L0003446	VOLUME	478174.173	3748957.083	453.00
LOCATION L0003447	VOLUME	478182.673	3748957.135	453.00
LOCATION L0003448	VOLUME	478191.173	3748957.186	453.00
LOCATION L0003449	VOLUME	478199.673	3748957.238	453.00
LOCATION L0003450	VOLUME	478208.172	3748957.289	453.00
LOCATION L0003451	VOLUME	478216.672	3748957.341	453.00
LOCATION L0003452	VOLUME	478225.010	3748957.229	453.00
LOCATION L0003453	VOLUME	478225.010	3748948.729	453.00
LOCATION L0003454	VOLUME	478225.010	3748940.229	453.00
LOCATION L0003455	VOLUME	478225.010	3748931.729	453.00
LOCATION L0003456	VOLUME	478225.010	3748923.229	453.00

** End of LINE VOLUME Source ID = SLINE16

**

** Line Source Represented by Adjacent Volume Sources

** LINE VOLUME Source ID = SLINE12

** DESCRSRC PC On-Site Idling South of Building 1

** PREFIX

** Length of Side = 8.50

** Configuration = Adjacent

** Emission Rate = 0.00005323

** Vertical Dimension = 3.00

** SZINIT = 1.40

** Nodes = 3

** 478173.194, 3748323.551, 450.64, 0.00, 3.95

** 478236.637, 3748321.285, 450.51, 0.00, 3.95

** 478232.672, 3748396.624, 451.00, 0.00, 3.95

**

LOCATION L0003457	VOLUME	478177.441	3748323.399	450.00
LOCATION L0003458	VOLUME	478185.936	3748323.096	450.00
LOCATION L0003459	VOLUME	478194.430	3748322.792	450.00
LOCATION L0003460	VOLUME	478202.925	3748322.489	450.00
LOCATION L0003461	VOLUME	478211.420	3748322.186	450.00
LOCATION L0003462	VOLUME	478219.914	3748321.882	450.00
LOCATION L0003463	VOLUME	478228.409	3748321.579	450.00
LOCATION L0003464	VOLUME	478236.623	3748321.551	450.00
LOCATION L0003465	VOLUME	478236.177	3748330.039	451.00
LOCATION L0003466	VOLUME	478235.730	3748338.527	451.00
LOCATION L0003467	VOLUME	478235.283	3748347.015	451.00
LOCATION L0003468	VOLUME	478234.836	3748355.504	451.00
LOCATION L0003469	VOLUME	478234.390	3748363.992	451.00
LOCATION L0003470	VOLUME	478233.943	3748372.480	451.00
LOCATION L0003471	VOLUME	478233.496	3748380.968	451.00

AERMOD LSTs Operational Output

LOCATION L0003472 VOLUME 478233.049 3748389.457 451.00

** End of LINE VOLUME Source ID = SLINE12

**

** Line Source Represented by Adjacent Volume Sources

** LINE VOLUME Source ID = SLINE17

** DESCRSRC PC On-Site Travel South of Building 1

** PREFIX

** Length of Side = 8.50

** Configuration = Adjacent

** Emission Rate = 7.351E-06

** Vertical Dimension = 3.00

** SZINIT = 1.40

** Nodes = 3

** 478173.194, 3748323.551, 450.64, 0.00, 3.95

** 478236.637, 3748321.285, 450.51, 0.00, 3.95

** 478232.672, 3748396.624, 451.00, 0.00, 3.95

**

LOCATION L0003473 VOLUME 478177.441 3748323.399 450.00

LOCATION L0003474 VOLUME 478185.936 3748323.096 450.00

LOCATION L0003475 VOLUME 478194.430 3748322.792 450.00

LOCATION L0003476 VOLUME 478202.925 3748322.489 450.00

LOCATION L0003477 VOLUME 478211.420 3748322.186 450.00

LOCATION L0003478 VOLUME 478219.914 3748321.882 450.00

LOCATION L0003479 VOLUME 478228.409 3748321.579 450.00

LOCATION L0003480 VOLUME 478236.623 3748321.551 450.00

LOCATION L0003481 VOLUME 478236.177 3748330.039 451.00

LOCATION L0003482 VOLUME 478235.730 3748338.527 451.00

LOCATION L0003483 VOLUME 478235.283 3748347.015 451.00

LOCATION L0003484 VOLUME 478234.836 3748355.504 451.00

LOCATION L0003485 VOLUME 478234.390 3748363.992 451.00

LOCATION L0003486 VOLUME 478233.943 3748372.480 451.00

LOCATION L0003487 VOLUME 478233.496 3748380.968 451.00

LOCATION L0003488 VOLUME 478233.049 3748389.457 451.00

** End of LINE VOLUME Source ID = SLINE17

**

** Line Source Represented by Adjacent Volume Sources

** LINE VOLUME Source ID = SLINE13

** DESCRSRC PC On-Site Idling Building 2

** PREFIX

** Length of Side = 8.50

** Configuration = Adjacent

** Emission Rate = 0.00005081

** Vertical Dimension = 3.00

** SZINIT = 1.40

** Nodes = 3

** 477739.701, 3748980.644, 454.00, 0.00, 3.95

** 477854.046, 3748981.626, 453.54, 0.00, 3.95

** 477852.573, 3748835.382, 453.00, 0.00, 3.95

AERMOD LSTs Operational Output

```

** -----
LOCATION L0003489    VOLUME    477743.951  3748980.681  454.00
LOCATION L0003490    VOLUME    477752.450  3748980.754  454.00
LOCATION L0003491    VOLUME    477760.950  3748980.827  454.00
LOCATION L0003492    VOLUME    477769.450  3748980.900  454.00
LOCATION L0003493    VOLUME    477777.949  3748980.973  454.00
LOCATION L0003494    VOLUME    477786.449  3748981.046  454.00
LOCATION L0003495    VOLUME    477794.949  3748981.119  454.00
LOCATION L0003496    VOLUME    477803.448  3748981.192  454.00
LOCATION L0003497    VOLUME    477811.948  3748981.264  454.00
LOCATION L0003498    VOLUME    477820.448  3748981.337  453.99
LOCATION L0003499    VOLUME    477828.947  3748981.410  453.85
LOCATION L0003500    VOLUME    477837.447  3748981.483  453.70
LOCATION L0003501    VOLUME    477845.947  3748981.556  453.56
LOCATION L0003502    VOLUME    477854.042  3748981.225  453.49
LOCATION L0003503    VOLUME    477853.956  3748972.725  453.21
LOCATION L0003504    VOLUME    477853.871  3748964.226  453.00
LOCATION L0003505    VOLUME    477853.785  3748955.726  453.00
LOCATION L0003506    VOLUME    477853.699  3748947.227  453.00
LOCATION L0003507    VOLUME    477853.614  3748938.727  453.00
LOCATION L0003508    VOLUME    477853.528  3748930.228  453.00
LOCATION L0003509    VOLUME    477853.443  3748921.728  453.00
LOCATION L0003510    VOLUME    477853.357  3748913.228  453.00
LOCATION L0003511    VOLUME    477853.272  3748904.729  453.00
LOCATION L0003512    VOLUME    477853.186  3748896.229  453.00
LOCATION L0003513    VOLUME    477853.100  3748887.730  453.00
LOCATION L0003514    VOLUME    477853.015  3748879.230  453.00
LOCATION L0003515    VOLUME    477852.929  3748870.731  453.00
LOCATION L0003516    VOLUME    477852.844  3748862.231  453.00
LOCATION L0003517    VOLUME    477852.758  3748853.732  453.00
LOCATION L0003518    VOLUME    477852.673  3748845.232  453.00
LOCATION L0003519    VOLUME    477852.587  3748836.732  453.00
** End of LINE VOLUME Source ID = SLINE13
** -----
** Line Source Represented by Adjacent Volume Sources
** LINE VOLUME Source ID = SLINE18
** DESCRSRC PC On-Site Travel Building 2
** PREFIX
** Length of Side = 8.50
** Configuration = Adjacent
** Emission Rate = 0.00001316
** Vertical Dimension = 3.00
** SZINIT = 1.40
** Nodes = 3
** 477739.701, 3748980.644, 454.00, 0.00, 3.95
** 477854.046, 3748981.626, 453.54, 0.00, 3.95
** 477852.573, 3748835.382, 453.00, 0.00, 3.95
** -----

```

AERMOD LSTs Operational Output

LOCATION L0003520	VOLUME	477743.951	3748980.681	454.00
LOCATION L0003521	VOLUME	477752.450	3748980.754	454.00
LOCATION L0003522	VOLUME	477760.950	3748980.827	454.00
LOCATION L0003523	VOLUME	477769.450	3748980.900	454.00
LOCATION L0003524	VOLUME	477777.949	3748980.973	454.00
LOCATION L0003525	VOLUME	477786.449	3748981.046	454.00
LOCATION L0003526	VOLUME	477794.949	3748981.119	454.00
LOCATION L0003527	VOLUME	477803.448	3748981.192	454.00
LOCATION L0003528	VOLUME	477811.948	3748981.264	454.00
LOCATION L0003529	VOLUME	477820.448	3748981.337	453.99
LOCATION L0003530	VOLUME	477828.947	3748981.410	453.85
LOCATION L0003531	VOLUME	477837.447	3748981.483	453.70
LOCATION L0003532	VOLUME	477845.947	3748981.556	453.56
LOCATION L0003533	VOLUME	477854.042	3748981.225	453.49
LOCATION L0003534	VOLUME	477853.956	3748972.725	453.21
LOCATION L0003535	VOLUME	477853.871	3748964.226	453.00
LOCATION L0003536	VOLUME	477853.785	3748955.726	453.00
LOCATION L0003537	VOLUME	477853.699	3748947.227	453.00
LOCATION L0003538	VOLUME	477853.614	3748938.727	453.00
LOCATION L0003539	VOLUME	477853.528	3748930.228	453.00
LOCATION L0003540	VOLUME	477853.443	3748921.728	453.00
LOCATION L0003541	VOLUME	477853.357	3748913.228	453.00
LOCATION L0003542	VOLUME	477853.272	3748904.729	453.00
LOCATION L0003543	VOLUME	477853.186	3748896.229	453.00
LOCATION L0003544	VOLUME	477853.100	3748887.730	453.00
LOCATION L0003545	VOLUME	477853.015	3748879.230	453.00
LOCATION L0003546	VOLUME	477852.929	3748870.731	453.00
LOCATION L0003547	VOLUME	477852.844	3748862.231	453.00
LOCATION L0003548	VOLUME	477852.758	3748853.732	453.00
LOCATION L0003549	VOLUME	477852.673	3748845.232	453.00
LOCATION L0003550	VOLUME	477852.587	3748836.732	453.00

** End of LINE VOLUME Source ID = SLINE18

**

** Line Source Represented by Adjacent Volume Sources

** LINE VOLUME Source ID = SLINE14

** DESCRSRC PC On-Site Idling Building 3

** PREFIX

** Length of Side = 8.50

** Configuration = Adjacent

** Emission Rate = 0.00004036

** Vertical Dimension = 3.00

** SZINIT = 1.40

** Nodes = 2

** 477930.162, 3748197.793, 450.00, 0.00, 3.95

** 477994.466, 3748197.281, 450.00, 0.00, 3.95

**

LOCATION L0003551	VOLUME	477934.412	3748197.759	450.00
LOCATION L0003552	VOLUME	477942.912	3748197.691	450.00

AERMOD LSTs Operational Output

LOCATION L0003553	VOLUME	477951.412	3748197.624	450.00
LOCATION L0003554	VOLUME	477959.911	3748197.556	450.00
LOCATION L0003555	VOLUME	477968.411	3748197.488	450.00
LOCATION L0003556	VOLUME	477976.911	3748197.420	450.00
LOCATION L0003557	VOLUME	477985.410	3748197.353	450.00
LOCATION L0003558	VOLUME	477993.910	3748197.285	450.00

** End of LINE VOLUME Source ID = SLINE14

**

** Line Source Represented by Adjacent Volume Sources

** LINE VOLUME Source ID = SLINE19

** DESCRSRC PC On-Site Travel Building 3

** PREFIX

** Length of Side = 8.50

** Configuration = Adjacent

** Emission Rate = 2.58E-06

** Vertical Dimension = 3.00

** SZINIT = 1.40

** Nodes = 2

** 477930.162, 3748197.793, 450.00, 0.00, 3.95

** 477994.466, 3748197.281, 450.00, 0.00, 3.95

**

LOCATION L0003559	VOLUME	477934.412	3748197.759	450.00
LOCATION L0003560	VOLUME	477942.912	3748197.691	450.00
LOCATION L0003561	VOLUME	477951.412	3748197.624	450.00
LOCATION L0003562	VOLUME	477959.911	3748197.556	450.00
LOCATION L0003563	VOLUME	477968.411	3748197.488	450.00
LOCATION L0003564	VOLUME	477976.911	3748197.420	450.00
LOCATION L0003565	VOLUME	477985.410	3748197.353	450.00
LOCATION L0003566	VOLUME	477993.910	3748197.285	450.00

** End of LINE VOLUME Source ID = SLINE19

**

** Line Source Represented by Adjacent Volume Sources

** LINE VOLUME Source ID = SLINE15

** DESCRSRC PC On-Site Idling Building 4

** PREFIX

** Length of Side = 8.50

** Configuration = Adjacent

** Emission Rate = 0.00006883

** Vertical Dimension = 3.00

** SZINIT = 1.40

** Nodes = 2

** 477495.204, 3748976.528, 454.06, 0.00, 3.95

** 477601.235, 3748974.046, 454.00, 0.00, 3.95

**

LOCATION L0003567	VOLUME	477499.453	3748976.429	454.22
LOCATION L0003568	VOLUME	477507.950	3748976.230	454.13
LOCATION L0003569	VOLUME	477516.448	3748976.031	454.04
LOCATION L0003570	VOLUME	477524.946	3748975.832	454.00

AERMOD LSTs Operational Output

LOCATION L0003571	VOLUME	477533.443	3748975.633	454.00
LOCATION L0003572	VOLUME	477541.941	3748975.434	454.00
LOCATION L0003573	VOLUME	477550.439	3748975.235	454.00
LOCATION L0003574	VOLUME	477558.936	3748975.036	454.00
LOCATION L0003575	VOLUME	477567.434	3748974.837	454.00
LOCATION L0003576	VOLUME	477575.932	3748974.638	454.00
LOCATION L0003577	VOLUME	477584.429	3748974.439	454.00
LOCATION L0003578	VOLUME	477592.927	3748974.241	454.00

** End of LINE VOLUME Source ID = SLINE15

** -----

** Line Source Represented by Adjacent Volume Sources

** LINE VOLUME Source ID = SLINE20

** DESCRSRC PC On-Site Travel Building 4

** PREFIX

** Length of Side = 8.50

** Configuration = Adjacent

** Emission Rate = 7.26E-06

** Vertical Dimension = 3.00

** SZINIT = 1.40

** Nodes = 2

** 477495.204, 3748976.528, 454.06, 0.00, 3.95

** 477601.235, 3748974.046, 454.00, 0.00, 3.95

** -----

LOCATION L0003579	VOLUME	477499.453	3748976.429	454.22
LOCATION L0003580	VOLUME	477507.950	3748976.230	454.13
LOCATION L0003581	VOLUME	477516.448	3748976.031	454.04
LOCATION L0003582	VOLUME	477524.946	3748975.832	454.00
LOCATION L0003583	VOLUME	477533.443	3748975.633	454.00
LOCATION L0003584	VOLUME	477541.941	3748975.434	454.00
LOCATION L0003585	VOLUME	477550.439	3748975.235	454.00
LOCATION L0003586	VOLUME	477558.936	3748975.036	454.00
LOCATION L0003587	VOLUME	477567.434	3748974.837	454.00
LOCATION L0003588	VOLUME	477575.932	3748974.638	454.00
LOCATION L0003589	VOLUME	477584.429	3748974.439	454.00
LOCATION L0003590	VOLUME	477592.927	3748974.241	454.00

** End of LINE VOLUME Source ID = SLINE20

** Source Parameters **

** LINE VOLUME Source ID = SLINE1

SRCPARAM L0002954	0.000007429	4.00	13.95	1.86
SRCPARAM L0002955	0.000007429	4.00	13.95	1.86
SRCPARAM L0002956	0.000007429	4.00	13.95	1.86
SRCPARAM L0002957	0.000007429	4.00	13.95	1.86
SRCPARAM L0002958	0.000007429	4.00	13.95	1.86
SRCPARAM L0002959	0.000007429	4.00	13.95	1.86
SRCPARAM L0002960	0.000007429	4.00	13.95	1.86
SRCPARAM L0002961	0.000007429	4.00	13.95	1.86
SRCPARAM L0002962	0.000007429	4.00	13.95	1.86
SRCPARAM L0002963	0.000007429	4.00	13.95	1.86

AERMOD LSTs Operational Output

SRCPARAM	L0002964	0.000007429	4.00	13.95	1.86
SRCPARAM	L0002965	0.000007429	4.00	13.95	1.86
SRCPARAM	L0002966	0.000007429	4.00	13.95	1.86
SRCPARAM	L0002967	0.000007429	4.00	13.95	1.86
SRCPARAM	L0002968	0.000007429	4.00	13.95	1.86
SRCPARAM	L0002969	0.000007429	4.00	13.95	1.86
SRCPARAM	L0002970	0.000007429	4.00	13.95	1.86

**

** LINE VOLUME Source ID = SLINE3

SRCPARAM	L0002971	0.0000077	4.00	13.95	1.86
SRCPARAM	L0002972	0.0000077	4.00	13.95	1.86
SRCPARAM	L0002973	0.0000077	4.00	13.95	1.86
SRCPARAM	L0002974	0.0000077	4.00	13.95	1.86
SRCPARAM	L0002975	0.0000077	4.00	13.95	1.86
SRCPARAM	L0002976	0.0000077	4.00	13.95	1.86
SRCPARAM	L0002977	0.0000077	4.00	13.95	1.86
SRCPARAM	L0002978	0.0000077	4.00	13.95	1.86
SRCPARAM	L0002979	0.0000077	4.00	13.95	1.86
SRCPARAM	L0002980	0.0000077	4.00	13.95	1.86
SRCPARAM	L0002981	0.0000077	4.00	13.95	1.86
SRCPARAM	L0002982	0.0000077	4.00	13.95	1.86
SRCPARAM	L0002983	0.0000077	4.00	13.95	1.86
SRCPARAM	L0002984	0.0000077	4.00	13.95	1.86

**

** LINE VOLUME Source ID = SLINE4

SRCPARAM	L0002985	0.000007102	4.00	3.95	1.86
SRCPARAM	L0002986	0.000007102	4.00	3.95	1.86
SRCPARAM	L0002987	0.000007102	4.00	3.95	1.86
SRCPARAM	L0002988	0.000007102	4.00	3.95	1.86
SRCPARAM	L0002989	0.000007102	4.00	3.95	1.86
SRCPARAM	L0002990	0.000007102	4.00	3.95	1.86
SRCPARAM	L0002991	0.000007102	4.00	3.95	1.86
SRCPARAM	L0002992	0.000007102	4.00	3.95	1.86

**

** LINE VOLUME Source ID = SLINE5

SRCPARAM	L0002993	0.000002144	4.00	3.95	1.86
SRCPARAM	L0002994	0.000002144	4.00	3.95	1.86
SRCPARAM	L0002995	0.000002144	4.00	3.95	1.86
SRCPARAM	L0002996	0.000002144	4.00	3.95	1.86
SRCPARAM	L0002997	0.000002144	4.00	3.95	1.86
SRCPARAM	L0002998	0.000002144	4.00	3.95	1.86
SRCPARAM	L0002999	0.000002144	4.00	3.95	1.86
SRCPARAM	L0003000	0.000002144	4.00	3.95	1.86
SRCPARAM	L0003001	0.000002144	4.00	3.95	1.86
SRCPARAM	L0003002	0.000002144	4.00	3.95	1.86
SRCPARAM	L0003003	0.000002144	4.00	3.95	1.86
SRCPARAM	L0003004	0.000002144	4.00	3.95	1.86
SRCPARAM	L0003005	0.000002144	4.00	3.95	1.86

AERMOD LSTs Operational Output

SRCPARAM	L0003006	0.000002144	4.00	3.95	1.86
SRCPARAM	L0003007	0.000002144	4.00	3.95	1.86
SRCPARAM	L0003008	0.000002144	4.00	3.95	1.86
SRCPARAM	L0003009	0.000002144	4.00	3.95	1.86
SRCPARAM	L0003010	0.000002144	4.00	3.95	1.86
SRCPARAM	L0003011	0.000002144	4.00	3.95	1.86
SRCPARAM	L0003012	0.000002144	4.00	3.95	1.86
SRCPARAM	L0003013	0.000002144	4.00	3.95	1.86

**

** LINE VOLUME Source ID = SLINE6

SRCPARAM	L0003014	0.000005133	0.00	3.95	1.86
SRCPARAM	L0003015	0.000005133	0.00	3.95	1.86
SRCPARAM	L0003016	0.000005133	0.00	3.95	1.86
SRCPARAM	L0003017	0.000005133	0.00	3.95	1.86
SRCPARAM	L0003018	0.000005133	0.00	3.95	1.86
SRCPARAM	L0003019	0.000005133	0.00	3.95	1.86
SRCPARAM	L0003020	0.000005133	0.00	3.95	1.86
SRCPARAM	L0003021	0.000005133	0.00	3.95	1.86
SRCPARAM	L0003022	0.000005133	0.00	3.95	1.86
SRCPARAM	L0003023	0.000005133	0.00	3.95	1.86
SRCPARAM	L0003024	0.000005133	0.00	3.95	1.86
SRCPARAM	L0003025	0.000005133	0.00	3.95	1.86
SRCPARAM	L0003026	0.000005133	0.00	3.95	1.86
SRCPARAM	L0003027	0.000005133	0.00	3.95	1.86
SRCPARAM	L0003028	0.000005133	0.00	3.95	1.86

**

** LINE VOLUME Source ID = SLINE2

SRCPARAM	L0003029	0.000006954	0.00	13.95	1.86
SRCPARAM	L0003030	0.000006954	0.00	13.95	1.86
SRCPARAM	L0003031	0.000006954	0.00	13.95	1.86
SRCPARAM	L0003032	0.000006954	0.00	13.95	1.86
SRCPARAM	L0003033	0.000006954	0.00	13.95	1.86

**

** LINE VOLUME Source ID = SLINE7

SRCPARAM	L0003034	0.000008817	4.00	3.95	1.86
SRCPARAM	L0003035	0.000008817	4.00	3.95	1.86
SRCPARAM	L0003036	0.000008817	4.00	3.95	1.86
SRCPARAM	L0003037	0.000008817	4.00	3.95	1.86
SRCPARAM	L0003038	0.000008817	4.00	3.95	1.86
SRCPARAM	L0003039	0.000008817	4.00	3.95	1.86
SRCPARAM	L0003040	0.000008817	4.00	3.95	1.86
SRCPARAM	L0003041	0.000008817	4.00	3.95	1.86
SRCPARAM	L0003042	0.000008817	4.00	3.95	1.86
SRCPARAM	L0003043	0.000008817	4.00	3.95	1.86
SRCPARAM	L0003044	0.000008817	4.00	3.95	1.86
SRCPARAM	L0003045	0.000008817	4.00	3.95	1.86
SRCPARAM	L0003046	0.000008817	4.00	3.95	1.86
SRCPARAM	L0003047	0.000008817	4.00	3.95	1.86

AERMOD LSTs Operational Output

SRCPARAM L0003048	0.000008817	4.00	3.95	1.86
SRCPARAM L0003049	0.000008817	4.00	3.95	1.86
SRCPARAM L0003050	0.000008817	4.00	3.95	1.86
SRCPARAM L0003051	0.000008817	4.00	3.95	1.86
SRCPARAM L0003052	0.000008817	4.00	3.95	1.86
SRCPARAM L0003053	0.000008817	4.00	3.95	1.86
SRCPARAM L0003054	0.000008817	4.00	3.95	1.86
SRCPARAM L0003055	0.000008817	4.00	3.95	1.86
SRCPARAM L0003056	0.000008817	4.00	3.95	1.86
SRCPARAM L0003057	0.000008817	4.00	3.95	1.86
SRCPARAM L0003058	0.000008817	4.00	3.95	1.86
SRCPARAM L0003059	0.000008817	4.00	3.95	1.86
SRCPARAM L0003060	0.000008817	4.00	3.95	1.86
SRCPARAM L0003061	0.000008817	4.00	3.95	1.86
SRCPARAM L0003062	0.000008817	4.00	3.95	1.86
SRCPARAM L0003063	0.000008817	4.00	3.95	1.86
SRCPARAM L0003064	0.000008817	4.00	3.95	1.86
SRCPARAM L0003065	0.000008817	4.00	3.95	1.86
SRCPARAM L0003066	0.000008817	4.00	3.95	1.86
SRCPARAM L0003067	0.000008817	4.00	3.95	1.86
SRCPARAM L0003068	0.000008817	4.00	3.95	1.86
SRCPARAM L0003069	0.000008817	4.00	3.95	1.86
SRCPARAM L0003070	0.000008817	4.00	3.95	1.86
SRCPARAM L0003071	0.000008817	4.00	3.95	1.86
SRCPARAM L0003072	0.000008817	4.00	3.95	1.86
SRCPARAM L0003073	0.000008817	4.00	3.95	1.86
SRCPARAM L0003074	0.000008817	4.00	3.95	1.86
SRCPARAM L0003075	0.000008817	4.00	3.95	1.86
SRCPARAM L0003076	0.000008817	4.00	3.95	1.86
SRCPARAM L0003077	0.000008817	4.00	3.95	1.86
SRCPARAM L0003078	0.000008817	4.00	3.95	1.86
SRCPARAM L0003079	0.000008817	4.00	3.95	1.86
SRCPARAM L0003080	0.000008817	4.00	3.95	1.86
SRCPARAM L0003081	0.000008817	4.00	3.95	1.86
SRCPARAM L0003082	0.000008817	4.00	3.95	1.86
SRCPARAM L0003083	0.000008817	4.00	3.95	1.86
SRCPARAM L0003084	0.000008817	4.00	3.95	1.86
SRCPARAM L0003085	0.000008817	4.00	3.95	1.86
SRCPARAM L0003086	0.000008817	4.00	3.95	1.86
SRCPARAM L0003087	0.000008817	4.00	3.95	1.86
SRCPARAM L0003088	0.000008817	4.00	3.95	1.86
SRCPARAM L0003089	0.000008817	4.00	3.95	1.86
SRCPARAM L0003090	0.000008817	4.00	3.95	1.86
SRCPARAM L0003091	0.000008817	4.00	3.95	1.86
SRCPARAM L0003092	0.000008817	4.00	3.95	1.86
SRCPARAM L0003093	0.000008817	4.00	3.95	1.86
SRCPARAM L0003094	0.000008817	4.00	3.95	1.86
SRCPARAM L0003095	0.000008817	4.00	3.95	1.86

AERMOD LSTs Operational Output

SRCPARAM L0003096	0.000008817	4.00	3.95	1.86
SRCPARAM L0003097	0.000008817	4.00	3.95	1.86
SRCPARAM L0003098	0.000008817	4.00	3.95	1.86
SRCPARAM L0003099	0.000008817	4.00	3.95	1.86
SRCPARAM L0003100	0.000008817	4.00	3.95	1.86
SRCPARAM L0003101	0.000008817	4.00	3.95	1.86
SRCPARAM L0003102	0.000008817	4.00	3.95	1.86
SRCPARAM L0003103	0.000008817	4.00	3.95	1.86
SRCPARAM L0003104	0.000008817	4.00	3.95	1.86
SRCPARAM L0003105	0.000008817	4.00	3.95	1.86
SRCPARAM L0003106	0.000008817	4.00	3.95	1.86
SRCPARAM L0003107	0.000008817	4.00	3.95	1.86
SRCPARAM L0003108	0.000008817	4.00	3.95	1.86
SRCPARAM L0003109	0.000008817	4.00	3.95	1.86
SRCPARAM L0003110	0.000008817	4.00	3.95	1.86
SRCPARAM L0003111	0.000008817	4.00	3.95	1.86
SRCPARAM L0003112	0.000008817	4.00	3.95	1.86
SRCPARAM L0003113	0.000008817	4.00	3.95	1.86
SRCPARAM L0003114	0.000008817	4.00	3.95	1.86
SRCPARAM L0003115	0.000008817	4.00	3.95	1.86
SRCPARAM L0003116	0.000008817	4.00	3.95	1.86
SRCPARAM L0003117	0.000008817	4.00	3.95	1.86
SRCPARAM L0003118	0.000008817	4.00	3.95	1.86
SRCPARAM L0003119	0.000008817	4.00	3.95	1.86
SRCPARAM L0003120	0.000008817	4.00	3.95	1.86
SRCPARAM L0003121	0.000008817	4.00	3.95	1.86
SRCPARAM L0003122	0.000008817	4.00	3.95	1.86
SRCPARAM L0003123	0.000008817	4.00	3.95	1.86
SRCPARAM L0003124	0.000008817	4.00	3.95	1.86
SRCPARAM L0003125	0.000008817	4.00	3.95	1.86
SRCPARAM L0003126	0.000008817	4.00	3.95	1.86
SRCPARAM L0003127	0.000008817	4.00	3.95	1.86
SRCPARAM L0003128	0.000008817	4.00	3.95	1.86
SRCPARAM L0003129	0.000008817	4.00	3.95	1.86
SRCPARAM L0003130	0.000008817	4.00	3.95	1.86
SRCPARAM L0003131	0.000008817	4.00	3.95	1.86
SRCPARAM L0003132	0.000008817	4.00	3.95	1.86
SRCPARAM L0003133	0.000008817	4.00	3.95	1.86
SRCPARAM L0003134	0.000008817	4.00	3.95	1.86
SRCPARAM L0003135	0.000008817	4.00	3.95	1.86
SRCPARAM L0003136	0.000008817	4.00	3.95	1.86
SRCPARAM L0003137	0.000008817	4.00	3.95	1.86
SRCPARAM L0003138	0.000008817	4.00	3.95	1.86
SRCPARAM L0003139	0.000008817	4.00	3.95	1.86
SRCPARAM L0003140	0.000008817	4.00	3.95	1.86
SRCPARAM L0003141	0.000008817	4.00	3.95	1.86
SRCPARAM L0003142	0.000008817	4.00	3.95	1.86
SRCPARAM L0003143	0.000008817	4.00	3.95	1.86

AERMOD LSTs Operational Output

SRCPARAM L0003144	0.000008817	4.00	3.95	1.86
SRCPARAM L0003145	0.000008817	4.00	3.95	1.86
SRCPARAM L0003146	0.000008817	4.00	3.95	1.86
SRCPARAM L0003147	0.000008817	4.00	3.95	1.86
SRCPARAM L0003148	0.000008817	4.00	3.95	1.86
SRCPARAM L0003149	0.000008817	4.00	3.95	1.86
SRCPARAM L0003150	0.000008817	4.00	3.95	1.86
SRCPARAM L0003151	0.000008817	4.00	3.95	1.86
SRCPARAM L0003152	0.000008817	4.00	3.95	1.86
SRCPARAM L0003153	0.000008817	4.00	3.95	1.86
SRCPARAM L0003154	0.000008817	4.00	3.95	1.86
SRCPARAM L0003155	0.000008817	4.00	3.95	1.86
SRCPARAM L0003156	0.000008817	4.00	3.95	1.86
SRCPARAM L0003157	0.000008817	4.00	3.95	1.86
SRCPARAM L0003158	0.000008817	4.00	3.95	1.86
SRCPARAM L0003159	0.000008817	4.00	3.95	1.86
SRCPARAM L0003160	0.000008817	4.00	3.95	1.86
SRCPARAM L0003161	0.000008817	4.00	3.95	1.86
SRCPARAM L0003162	0.000008817	4.00	3.95	1.86
SRCPARAM L0003163	0.000008817	4.00	3.95	1.86
SRCPARAM L0003164	0.000008817	4.00	3.95	1.86
SRCPARAM L0003165	0.000008817	4.00	3.95	1.86
SRCPARAM L0003166	0.000008817	4.00	3.95	1.86
SRCPARAM L0003167	0.000008817	4.00	3.95	1.86
SRCPARAM L0003168	0.000008817	4.00	3.95	1.86
SRCPARAM L0003169	0.000008817	4.00	3.95	1.86
SRCPARAM L0003170	0.000008817	4.00	3.95	1.86
SRCPARAM L0003171	0.000008817	4.00	3.95	1.86
SRCPARAM L0003172	0.000008817	4.00	3.95	1.86
SRCPARAM L0003173	0.000008817	4.00	3.95	1.86
SRCPARAM L0003174	0.000008817	4.00	3.95	1.86
SRCPARAM L0003175	0.000008817	4.00	3.95	1.86
SRCPARAM L0003176	0.000008817	4.00	3.95	1.86
SRCPARAM L0003177	0.000008817	4.00	3.95	1.86
SRCPARAM L0003178	0.000008817	4.00	3.95	1.86
SRCPARAM L0003179	0.000008817	4.00	3.95	1.86
SRCPARAM L0003180	0.000008817	4.00	3.95	1.86
SRCPARAM L0003181	0.000008817	4.00	3.95	1.86
SRCPARAM L0003182	0.000008817	4.00	3.95	1.86
SRCPARAM L0003183	0.000008817	4.00	3.95	1.86
SRCPARAM L0003184	0.000008817	4.00	3.95	1.86
SRCPARAM L0003185	0.000008817	4.00	3.95	1.86
SRCPARAM L0003186	0.000008817	4.00	3.95	1.86
SRCPARAM L0003187	0.000008817	4.00	3.95	1.86
SRCPARAM L0003188	0.000008817	4.00	3.95	1.86
SRCPARAM L0003189	0.000008817	4.00	3.95	1.86
SRCPARAM L0003190	0.000008817	4.00	3.95	1.86
SRCPARAM L0003191	0.000008817	4.00	3.95	1.86

AERMOD LSTs Operational Output

SRCPARAM L0003192	0.000008817	4.00	3.95	1.86
SRCPARAM L0003193	0.000008817	4.00	3.95	1.86
SRCPARAM L0003194	0.000008817	4.00	3.95	1.86
SRCPARAM L0003195	0.000008817	4.00	3.95	1.86
SRCPARAM L0003196	0.000008817	4.00	3.95	1.86
SRCPARAM L0003197	0.000008817	4.00	3.95	1.86
SRCPARAM L0003198	0.000008817	4.00	3.95	1.86
SRCPARAM L0003199	0.000008817	4.00	3.95	1.86
SRCPARAM L0003200	0.000008817	4.00	3.95	1.86
SRCPARAM L0003201	0.000008817	4.00	3.95	1.86
SRCPARAM L0003202	0.000008817	4.00	3.95	1.86
SRCPARAM L0003203	0.000008817	4.00	3.95	1.86
SRCPARAM L0003204	0.000008817	4.00	3.95	1.86
SRCPARAM L0003205	0.000008817	4.00	3.95	1.86
SRCPARAM L0003206	0.000008817	4.00	3.95	1.86
SRCPARAM L0003207	0.000008817	4.00	3.95	1.86
SRCPARAM L0003208	0.000008817	4.00	3.95	1.86

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** LINE VOLUME Source ID = SLINE8

SRCPARAM L0003209	0.000001878	4.00	3.95	1.86
SRCPARAM L0003210	0.000001878	4.00	3.95	1.86
SRCPARAM L0003211	0.000001878	4.00	3.95	1.86
SRCPARAM L0003212	0.000001878	4.00	3.95	1.86
SRCPARAM L0003213	0.000001878	4.00	3.95	1.86
SRCPARAM L0003214	0.000001878	4.00	3.95	1.86
SRCPARAM L0003215	0.000001878	4.00	3.95	1.86
SRCPARAM L0003216	0.000001878	4.00	3.95	1.86
SRCPARAM L0003217	0.000001878	4.00	3.95	1.86
SRCPARAM L0003218	0.000001878	4.00	3.95	1.86
SRCPARAM L0003219	0.000001878	4.00	3.95	1.86
SRCPARAM L0003220	0.000001878	4.00	3.95	1.86
SRCPARAM L0003221	0.000001878	4.00	3.95	1.86
SRCPARAM L0003222	0.000001878	4.00	3.95	1.86
SRCPARAM L0003223	0.000001878	4.00	3.95	1.86
SRCPARAM L0003224	0.000001878	4.00	3.95	1.86
SRCPARAM L0003225	0.000001878	4.00	3.95	1.86
SRCPARAM L0003226	0.000001878	4.00	3.95	1.86
SRCPARAM L0003227	0.000001878	4.00	3.95	1.86
SRCPARAM L0003228	0.000001878	4.00	3.95	1.86
SRCPARAM L0003229	0.000001878	4.00	3.95	1.86
SRCPARAM L0003230	0.000001878	4.00	3.95	1.86
SRCPARAM L0003231	0.000001878	4.00	3.95	1.86
SRCPARAM L0003232	0.000001878	4.00	3.95	1.86
SRCPARAM L0003233	0.000001878	4.00	3.95	1.86
SRCPARAM L0003234	0.000001878	4.00	3.95	1.86
SRCPARAM L0003235	0.000001878	4.00	3.95	1.86
SRCPARAM L0003236	0.000001878	4.00	3.95	1.86
SRCPARAM L0003237	0.000001878	4.00	3.95	1.86

AERMOD LSTs Operational Output

SRCPARAM	L0003238	0.000001878	4.00	3.95	1.86
SRCPARAM	L0003239	0.000001878	4.00	3.95	1.86
SRCPARAM	L0003240	0.000001878	4.00	3.95	1.86
SRCPARAM	L0003241	0.000001878	4.00	3.95	1.86
SRCPARAM	L0003242	0.000001878	4.00	3.95	1.86
SRCPARAM	L0003243	0.000001878	4.00	3.95	1.86
SRCPARAM	L0003244	0.000001878	4.00	3.95	1.86
SRCPARAM	L0003245	0.000001878	4.00	3.95	1.86
SRCPARAM	L0003246	0.000001878	4.00	3.95	1.86
SRCPARAM	L0003247	0.000001878	4.00	3.95	1.86
SRCPARAM	L0003248	0.000001878	4.00	3.95	1.86
SRCPARAM	L0003249	0.000001878	4.00	3.95	1.86
SRCPARAM	L0003250	0.000001878	4.00	3.95	1.86
SRCPARAM	L0003251	0.000001878	4.00	3.95	1.86
SRCPARAM	L0003252	0.000001878	4.00	3.95	1.86
SRCPARAM	L0003253	0.000001878	4.00	3.95	1.86
SRCPARAM	L0003254	0.000001878	4.00	3.95	1.86
SRCPARAM	L0003255	0.000001878	4.00	3.95	1.86
SRCPARAM	L0003256	0.000001878	4.00	3.95	1.86
SRCPARAM	L0003257	0.000001878	4.00	3.95	1.86
SRCPARAM	L0003258	0.000001878	4.00	3.95	1.86
SRCPARAM	L0003259	0.000001878	4.00	3.95	1.86
SRCPARAM	L0003260	0.000001878	4.00	3.95	1.86
SRCPARAM	L0003261	0.000001878	4.00	3.95	1.86
SRCPARAM	L0003262	0.000001878	4.00	3.95	1.86
SRCPARAM	L0003263	0.000001878	4.00	3.95	1.86
SRCPARAM	L0003264	0.000001878	4.00	3.95	1.86
SRCPARAM	L0003265	0.000001878	4.00	3.95	1.86
SRCPARAM	L0003266	0.000001878	4.00	3.95	1.86
SRCPARAM	L0003267	0.000001878	4.00	3.95	1.86

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** LINE VOLUME Source ID = SLINE9

SRCPARAM	L0003268	0.00000148	4.00	3.95	1.86
SRCPARAM	L0003269	0.00000148	4.00	3.95	1.86
SRCPARAM	L0003270	0.00000148	4.00	3.95	1.86
SRCPARAM	L0003271	0.00000148	4.00	3.95	1.86
SRCPARAM	L0003272	0.00000148	4.00	3.95	1.86
SRCPARAM	L0003273	0.00000148	4.00	3.95	1.86
SRCPARAM	L0003274	0.00000148	4.00	3.95	1.86
SRCPARAM	L0003275	0.00000148	4.00	3.95	1.86
SRCPARAM	L0003276	0.00000148	4.00	3.95	1.86
SRCPARAM	L0003277	0.00000148	4.00	3.95	1.86
SRCPARAM	L0003278	0.00000148	4.00	3.95	1.86
SRCPARAM	L0003279	0.00000148	4.00	3.95	1.86
SRCPARAM	L0003280	0.00000148	4.00	3.95	1.86
SRCPARAM	L0003281	0.00000148	4.00	3.95	1.86
SRCPARAM	L0003282	0.00000148	4.00	3.95	1.86
SRCPARAM	L0003283	0.00000148	4.00	3.95	1.86

AERMOD LSTs Operational Output

SRCPARAM L0003284	0.00000148	4.00	3.95	1.86
SRCPARAM L0003285	0.00000148	4.00	3.95	1.86
SRCPARAM L0003286	0.00000148	4.00	3.95	1.86
SRCPARAM L0003287	0.00000148	4.00	3.95	1.86
SRCPARAM L0003288	0.00000148	4.00	3.95	1.86
SRCPARAM L0003289	0.00000148	4.00	3.95	1.86
SRCPARAM L0003290	0.00000148	4.00	3.95	1.86
SRCPARAM L0003291	0.00000148	4.00	3.95	1.86
SRCPARAM L0003292	0.00000148	4.00	3.95	1.86
SRCPARAM L0003293	0.00000148	4.00	3.95	1.86
SRCPARAM L0003294	0.00000148	4.00	3.95	1.86
SRCPARAM L0003295	0.00000148	4.00	3.95	1.86
SRCPARAM L0003296	0.00000148	4.00	3.95	1.86
SRCPARAM L0003297	0.00000148	4.00	3.95	1.86
SRCPARAM L0003298	0.00000148	4.00	3.95	1.86
SRCPARAM L0003299	0.00000148	4.00	3.95	1.86
SRCPARAM L0003300	0.00000148	4.00	3.95	1.86
SRCPARAM L0003301	0.00000148	4.00	3.95	1.86
SRCPARAM L0003302	0.00000148	4.00	3.95	1.86
SRCPARAM L0003303	0.00000148	4.00	3.95	1.86
SRCPARAM L0003304	0.00000148	4.00	3.95	1.86
SRCPARAM L0003305	0.00000148	4.00	3.95	1.86
SRCPARAM L0003306	0.00000148	4.00	3.95	1.86
SRCPARAM L0003307	0.00000148	4.00	3.95	1.86
SRCPARAM L0003308	0.00000148	4.00	3.95	1.86
SRCPARAM L0003309	0.00000148	4.00	3.95	1.86
SRCPARAM L0003310	0.00000148	4.00	3.95	1.86
SRCPARAM L0003311	0.00000148	4.00	3.95	1.86
SRCPARAM L0003312	0.00000148	4.00	3.95	1.86
SRCPARAM L0003313	0.00000148	4.00	3.95	1.86
SRCPARAM L0003314	0.00000148	4.00	3.95	1.86
SRCPARAM L0003315	0.00000148	4.00	3.95	1.86
SRCPARAM L0003316	0.00000148	4.00	3.95	1.86

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** LINE VOLUME Source ID = SLINE10

SRCPARAM L0003317	0.000002526	4.00	3.95	1.86
SRCPARAM L0003318	0.000002526	4.00	3.95	1.86
SRCPARAM L0003319	0.000002526	4.00	3.95	1.86
SRCPARAM L0003320	0.000002526	4.00	3.95	1.86
SRCPARAM L0003321	0.000002526	4.00	3.95	1.86
SRCPARAM L0003322	0.000002526	4.00	3.95	1.86
SRCPARAM L0003323	0.000002526	4.00	3.95	1.86
SRCPARAM L0003324	0.000002526	4.00	3.95	1.86
SRCPARAM L0003325	0.000002526	4.00	3.95	1.86
SRCPARAM L0003326	0.000002526	4.00	3.95	1.86
SRCPARAM L0003327	0.000002526	4.00	3.95	1.86
SRCPARAM L0003328	0.000002526	4.00	3.95	1.86
SRCPARAM L0003329	0.000002526	4.00	3.95	1.86

AERMOD LSTs Operational Output

SRCPARAM	L0003330	0.000002526	4.00	3.95	1.86
SRCPARAM	L0003331	0.000002526	4.00	3.95	1.86
SRCPARAM	L0003332	0.000002526	4.00	3.95	1.86
SRCPARAM	L0003333	0.000002526	4.00	3.95	1.86
SRCPARAM	L0003334	0.000002526	4.00	3.95	1.86
SRCPARAM	L0003335	0.000002526	4.00	3.95	1.86
SRCPARAM	L0003336	0.000002526	4.00	3.95	1.86
SRCPARAM	L0003337	0.000002526	4.00	3.95	1.86
SRCPARAM	L0003338	0.000002526	4.00	3.95	1.86
SRCPARAM	L0003339	0.000002526	4.00	3.95	1.86
SRCPARAM	L0003340	0.000002526	4.00	3.95	1.86
SRCPARAM	L0003341	0.000002526	4.00	3.95	1.86
SRCPARAM	L0003342	0.000002526	4.00	3.95	1.86
SRCPARAM	L0003343	0.000002526	4.00	3.95	1.86
SRCPARAM	L0003344	0.000002526	4.00	3.95	1.86
SRCPARAM	L0003345	0.000002526	4.00	3.95	1.86
SRCPARAM	L0003346	0.000002526	4.00	3.95	1.86
SRCPARAM	L0003347	0.000002526	4.00	3.95	1.86
SRCPARAM	L0003348	0.000002526	4.00	3.95	1.86
SRCPARAM	L0003349	0.000002526	4.00	3.95	1.86
SRCPARAM	L0003350	0.000002526	4.00	3.95	1.86
SRCPARAM	L0003351	0.000002526	4.00	3.95	1.86
SRCPARAM	L0003352	0.000002526	4.00	3.95	1.86
SRCPARAM	L0003353	0.000002526	4.00	3.95	1.86
SRCPARAM	L0003354	0.000002526	4.00	3.95	1.86
SRCPARAM	L0003355	0.000002526	4.00	3.95	1.86
SRCPARAM	L0003356	0.000002526	4.00	3.95	1.86
SRCPARAM	L0003357	0.000002526	4.00	3.95	1.86
SRCPARAM	L0003358	0.000002526	4.00	3.95	1.86
SRCPARAM	L0003359	0.000002526	4.00	3.95	1.86
SRCPARAM	L0003360	0.000002526	4.00	3.95	1.86
SRCPARAM	L0003361	0.000002526	4.00	3.95	1.86
SRCPARAM	L0003362	0.000002526	4.00	3.95	1.86
SRCPARAM	L0003363	0.000002526	4.00	3.95	1.86
SRCPARAM	L0003364	0.000002526	4.00	3.95	1.86
SRCPARAM	L0003365	0.000002526	4.00	3.95	1.86
SRCPARAM	L0003366	0.000002526	4.00	3.95	1.86

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SRCPARAM	AREA1	2.351E-08	5.000	75.040	426.520	0.000
SRCPARAM	AREA2	2.489E-08	5.000	57.920	521.960	0.000
SRCPARAM	AREA3	8.7222E-08	5.000	143.400	60.160	0.000
SRCPARAM	AREA4	2.7037E-08	5.000	72.150	152.500	0.000
SRCPARAM	AREA5	5.6522E-08	5.000	61.270	85.900	0.000
SRCPARAM	AREA6	2.5323E-08	5.000	65.180	180.230	0.000
SRCPARAM	STCK1	0.000049612	3.960	501.000	49.98254	0.044
SRCPARAM	STCK2	0.000049612	3.960	501.000	49.98254	0.044
SRCPARAM	STCK3	0.000049612	3.960	501.000	49.98254	0.044
SRCPARAM	STCK4	0.000049612	3.960	501.000	49.98254	0.044

AERMOD LSTs Operational Output

SRCPARAM	STCK5	0.000049612	3.960	501.000	49.98254	0.044
SRCPARAM	STCK6	0.000049612	3.960	501.000	49.98254	0.044
SRCPARAM	STCK7	0.000049612	3.960	501.000	49.98254	0.044
SRCPARAM	STCK8	0.000049612	3.960	501.000	49.98254	0.044
SRCPARAM	STCK9	0.000049612	3.960	501.000	49.98254	0.044
SRCPARAM	STCK10	0.000049612	3.960	501.000	49.98254	0.044
SRCPARAM	STCK11	0.00010496	3.960	501.000	49.98254	0.044
SRCPARAM	STCK12	0.000083165	3.960	501.000	49.98254	0.044
SRCPARAM	STCK13	0.000142241	3.960	501.000	49.98254	0.044

** LINE VOLUME Source ID = SLINE11

SRCPARAM	L0003367	0.000001183	0.00	3.95	1.40
SRCPARAM	L0003368	0.000001183	0.00	3.95	1.40
SRCPARAM	L0003369	0.000001183	0.00	3.95	1.40
SRCPARAM	L0003370	0.000001183	0.00	3.95	1.40
SRCPARAM	L0003371	0.000001183	0.00	3.95	1.40
SRCPARAM	L0003372	0.000001183	0.00	3.95	1.40
SRCPARAM	L0003373	0.000001183	0.00	3.95	1.40
SRCPARAM	L0003374	0.000001183	0.00	3.95	1.40
SRCPARAM	L0003375	0.000001183	0.00	3.95	1.40
SRCPARAM	L0003376	0.000001183	0.00	3.95	1.40
SRCPARAM	L0003377	0.000001183	0.00	3.95	1.40
SRCPARAM	L0003378	0.000001183	0.00	3.95	1.40
SRCPARAM	L0003379	0.000001183	0.00	3.95	1.40
SRCPARAM	L0003380	0.000001183	0.00	3.95	1.40
SRCPARAM	L0003381	0.000001183	0.00	3.95	1.40
SRCPARAM	L0003382	0.000001183	0.00	3.95	1.40
SRCPARAM	L0003383	0.000001183	0.00	3.95	1.40
SRCPARAM	L0003384	0.000001183	0.00	3.95	1.40
SRCPARAM	L0003385	0.000001183	0.00	3.95	1.40
SRCPARAM	L0003386	0.000001183	0.00	3.95	1.40
SRCPARAM	L0003387	0.000001183	0.00	3.95	1.40
SRCPARAM	L0003388	0.000001183	0.00	3.95	1.40
SRCPARAM	L0003389	0.000001183	0.00	3.95	1.40
SRCPARAM	L0003390	0.000001183	0.00	3.95	1.40
SRCPARAM	L0003391	0.000001183	0.00	3.95	1.40
SRCPARAM	L0003392	0.000001183	0.00	3.95	1.40
SRCPARAM	L0003393	0.000001183	0.00	3.95	1.40
SRCPARAM	L0003394	0.000001183	0.00	3.95	1.40
SRCPARAM	L0003395	0.000001183	0.00	3.95	1.40
SRCPARAM	L0003396	0.000001183	0.00	3.95	1.40
SRCPARAM	L0003397	0.000001183	0.00	3.95	1.40
SRCPARAM	L0003398	0.000001183	0.00	3.95	1.40
SRCPARAM	L0003399	0.000001183	0.00	3.95	1.40
SRCPARAM	L0003400	0.000001183	0.00	3.95	1.40
SRCPARAM	L0003401	0.000001183	0.00	3.95	1.40
SRCPARAM	L0003402	0.000001183	0.00	3.95	1.40
SRCPARAM	L0003403	0.000001183	0.00	3.95	1.40
SRCPARAM	L0003404	0.000001183	0.00	3.95	1.40

AERMOD LSTs Operational Output

SRCPARAM	L0003405	0.000001183	0.00	3.95	1.40
SRCPARAM	L0003406	0.000001183	0.00	3.95	1.40
SRCPARAM	L0003407	0.000001183	0.00	3.95	1.40
SRCPARAM	L0003408	0.000001183	0.00	3.95	1.40
SRCPARAM	L0003409	0.000001183	0.00	3.95	1.40
SRCPARAM	L0003410	0.000001183	0.00	3.95	1.40
SRCPARAM	L0003411	0.000001183	0.00	3.95	1.40

**

** LINE VOLUME Source ID = SLINE16

SRCPARAM	L0003412	0.0000004471	0.00	3.95	1.40
SRCPARAM	L0003413	0.0000004471	0.00	3.95	1.40
SRCPARAM	L0003414	0.0000004471	0.00	3.95	1.40
SRCPARAM	L0003415	0.0000004471	0.00	3.95	1.40
SRCPARAM	L0003416	0.0000004471	0.00	3.95	1.40
SRCPARAM	L0003417	0.0000004471	0.00	3.95	1.40
SRCPARAM	L0003418	0.0000004471	0.00	3.95	1.40
SRCPARAM	L0003419	0.0000004471	0.00	3.95	1.40
SRCPARAM	L0003420	0.0000004471	0.00	3.95	1.40
SRCPARAM	L0003421	0.0000004471	0.00	3.95	1.40
SRCPARAM	L0003422	0.0000004471	0.00	3.95	1.40
SRCPARAM	L0003423	0.0000004471	0.00	3.95	1.40
SRCPARAM	L0003424	0.0000004471	0.00	3.95	1.40
SRCPARAM	L0003425	0.0000004471	0.00	3.95	1.40
SRCPARAM	L0003426	0.0000004471	0.00	3.95	1.40
SRCPARAM	L0003427	0.0000004471	0.00	3.95	1.40
SRCPARAM	L0003428	0.0000004471	0.00	3.95	1.40
SRCPARAM	L0003429	0.0000004471	0.00	3.95	1.40
SRCPARAM	L0003430	0.0000004471	0.00	3.95	1.40
SRCPARAM	L0003431	0.0000004471	0.00	3.95	1.40
SRCPARAM	L0003432	0.0000004471	0.00	3.95	1.40
SRCPARAM	L0003433	0.0000004471	0.00	3.95	1.40
SRCPARAM	L0003434	0.0000004471	0.00	3.95	1.40
SRCPARAM	L0003435	0.0000004471	0.00	3.95	1.40
SRCPARAM	L0003436	0.0000004471	0.00	3.95	1.40
SRCPARAM	L0003437	0.0000004471	0.00	3.95	1.40
SRCPARAM	L0003438	0.0000004471	0.00	3.95	1.40
SRCPARAM	L0003439	0.0000004471	0.00	3.95	1.40
SRCPARAM	L0003440	0.0000004471	0.00	3.95	1.40
SRCPARAM	L0003441	0.0000004471	0.00	3.95	1.40
SRCPARAM	L0003442	0.0000004471	0.00	3.95	1.40
SRCPARAM	L0003443	0.0000004471	0.00	3.95	1.40
SRCPARAM	L0003444	0.0000004471	0.00	3.95	1.40
SRCPARAM	L0003445	0.0000004471	0.00	3.95	1.40
SRCPARAM	L0003446	0.0000004471	0.00	3.95	1.40
SRCPARAM	L0003447	0.0000004471	0.00	3.95	1.40
SRCPARAM	L0003448	0.0000004471	0.00	3.95	1.40
SRCPARAM	L0003449	0.0000004471	0.00	3.95	1.40
SRCPARAM	L0003450	0.0000004471	0.00	3.95	1.40

AERMOD LSTs Operational Output

SRCPARAM	L0003451	0.0000004471	0.00	3.95	1.40
SRCPARAM	L0003452	0.0000004471	0.00	3.95	1.40
SRCPARAM	L0003453	0.0000004471	0.00	3.95	1.40
SRCPARAM	L0003454	0.0000004471	0.00	3.95	1.40
SRCPARAM	L0003455	0.0000004471	0.00	3.95	1.40
SRCPARAM	L0003456	0.0000004471	0.00	3.95	1.40

**

** LINE VOLUME Source ID = SLINE12

SRCPARAM	L0003457	0.000003327	0.00	3.95	1.40
SRCPARAM	L0003458	0.000003327	0.00	3.95	1.40
SRCPARAM	L0003459	0.000003327	0.00	3.95	1.40
SRCPARAM	L0003460	0.000003327	0.00	3.95	1.40
SRCPARAM	L0003461	0.000003327	0.00	3.95	1.40
SRCPARAM	L0003462	0.000003327	0.00	3.95	1.40
SRCPARAM	L0003463	0.000003327	0.00	3.95	1.40
SRCPARAM	L0003464	0.000003327	0.00	3.95	1.40
SRCPARAM	L0003465	0.000003327	0.00	3.95	1.40
SRCPARAM	L0003466	0.000003327	0.00	3.95	1.40
SRCPARAM	L0003467	0.000003327	0.00	3.95	1.40
SRCPARAM	L0003468	0.000003327	0.00	3.95	1.40
SRCPARAM	L0003469	0.000003327	0.00	3.95	1.40
SRCPARAM	L0003470	0.000003327	0.00	3.95	1.40
SRCPARAM	L0003471	0.000003327	0.00	3.95	1.40
SRCPARAM	L0003472	0.000003327	0.00	3.95	1.40

**

** LINE VOLUME Source ID = SLINE17

SRCPARAM	L0003473	0.0000004594	0.00	3.95	1.40
SRCPARAM	L0003474	0.0000004594	0.00	3.95	1.40
SRCPARAM	L0003475	0.0000004594	0.00	3.95	1.40
SRCPARAM	L0003476	0.0000004594	0.00	3.95	1.40
SRCPARAM	L0003477	0.0000004594	0.00	3.95	1.40
SRCPARAM	L0003478	0.0000004594	0.00	3.95	1.40
SRCPARAM	L0003479	0.0000004594	0.00	3.95	1.40
SRCPARAM	L0003480	0.0000004594	0.00	3.95	1.40
SRCPARAM	L0003481	0.0000004594	0.00	3.95	1.40
SRCPARAM	L0003482	0.0000004594	0.00	3.95	1.40
SRCPARAM	L0003483	0.0000004594	0.00	3.95	1.40
SRCPARAM	L0003484	0.0000004594	0.00	3.95	1.40
SRCPARAM	L0003485	0.0000004594	0.00	3.95	1.40
SRCPARAM	L0003486	0.0000004594	0.00	3.95	1.40
SRCPARAM	L0003487	0.0000004594	0.00	3.95	1.40
SRCPARAM	L0003488	0.0000004594	0.00	3.95	1.40

**

** LINE VOLUME Source ID = SLINE13

SRCPARAM	L0003489	0.000001639	0.00	3.95	1.40
SRCPARAM	L0003490	0.000001639	0.00	3.95	1.40
SRCPARAM	L0003491	0.000001639	0.00	3.95	1.40
SRCPARAM	L0003492	0.000001639	0.00	3.95	1.40

AERMOD LSTs Operational Output

SRCPARAM	L0003493	0.000001639	0.00	3.95	1.40
SRCPARAM	L0003494	0.000001639	0.00	3.95	1.40
SRCPARAM	L0003495	0.000001639	0.00	3.95	1.40
SRCPARAM	L0003496	0.000001639	0.00	3.95	1.40
SRCPARAM	L0003497	0.000001639	0.00	3.95	1.40
SRCPARAM	L0003498	0.000001639	0.00	3.95	1.40
SRCPARAM	L0003499	0.000001639	0.00	3.95	1.40
SRCPARAM	L0003500	0.000001639	0.00	3.95	1.40
SRCPARAM	L0003501	0.000001639	0.00	3.95	1.40
SRCPARAM	L0003502	0.000001639	0.00	3.95	1.40
SRCPARAM	L0003503	0.000001639	0.00	3.95	1.40
SRCPARAM	L0003504	0.000001639	0.00	3.95	1.40
SRCPARAM	L0003505	0.000001639	0.00	3.95	1.40
SRCPARAM	L0003506	0.000001639	0.00	3.95	1.40
SRCPARAM	L0003507	0.000001639	0.00	3.95	1.40
SRCPARAM	L0003508	0.000001639	0.00	3.95	1.40
SRCPARAM	L0003509	0.000001639	0.00	3.95	1.40
SRCPARAM	L0003510	0.000001639	0.00	3.95	1.40
SRCPARAM	L0003511	0.000001639	0.00	3.95	1.40
SRCPARAM	L0003512	0.000001639	0.00	3.95	1.40
SRCPARAM	L0003513	0.000001639	0.00	3.95	1.40
SRCPARAM	L0003514	0.000001639	0.00	3.95	1.40
SRCPARAM	L0003515	0.000001639	0.00	3.95	1.40
SRCPARAM	L0003516	0.000001639	0.00	3.95	1.40
SRCPARAM	L0003517	0.000001639	0.00	3.95	1.40
SRCPARAM	L0003518	0.000001639	0.00	3.95	1.40
SRCPARAM	L0003519	0.000001639	0.00	3.95	1.40

**

** LINE VOLUME Source ID = SLINE18

SRCPARAM	L0003520	0.0000004245	0.00	3.95	1.40
SRCPARAM	L0003521	0.0000004245	0.00	3.95	1.40
SRCPARAM	L0003522	0.0000004245	0.00	3.95	1.40
SRCPARAM	L0003523	0.0000004245	0.00	3.95	1.40
SRCPARAM	L0003524	0.0000004245	0.00	3.95	1.40
SRCPARAM	L0003525	0.0000004245	0.00	3.95	1.40
SRCPARAM	L0003526	0.0000004245	0.00	3.95	1.40
SRCPARAM	L0003527	0.0000004245	0.00	3.95	1.40
SRCPARAM	L0003528	0.0000004245	0.00	3.95	1.40
SRCPARAM	L0003529	0.0000004245	0.00	3.95	1.40
SRCPARAM	L0003530	0.0000004245	0.00	3.95	1.40
SRCPARAM	L0003531	0.0000004245	0.00	3.95	1.40
SRCPARAM	L0003532	0.0000004245	0.00	3.95	1.40
SRCPARAM	L0003533	0.0000004245	0.00	3.95	1.40
SRCPARAM	L0003534	0.0000004245	0.00	3.95	1.40
SRCPARAM	L0003535	0.0000004245	0.00	3.95	1.40
SRCPARAM	L0003536	0.0000004245	0.00	3.95	1.40
SRCPARAM	L0003537	0.0000004245	0.00	3.95	1.40
SRCPARAM	L0003538	0.0000004245	0.00	3.95	1.40

AERMOD LSTs Operational Output

SRCPARAM	L0003539	0.0000004245	0.00	3.95	1.40
SRCPARAM	L0003540	0.0000004245	0.00	3.95	1.40
SRCPARAM	L0003541	0.0000004245	0.00	3.95	1.40
SRCPARAM	L0003542	0.0000004245	0.00	3.95	1.40
SRCPARAM	L0003543	0.0000004245	0.00	3.95	1.40
SRCPARAM	L0003544	0.0000004245	0.00	3.95	1.40
SRCPARAM	L0003545	0.0000004245	0.00	3.95	1.40
SRCPARAM	L0003546	0.0000004245	0.00	3.95	1.40
SRCPARAM	L0003547	0.0000004245	0.00	3.95	1.40
SRCPARAM	L0003548	0.0000004245	0.00	3.95	1.40
SRCPARAM	L0003549	0.0000004245	0.00	3.95	1.40
SRCPARAM	L0003550	0.0000004245	0.00	3.95	1.40

**

** LINE VOLUME Source ID = SLINE14

SRCPARAM	L0003551	0.000005045	0.00	3.95	1.40
SRCPARAM	L0003552	0.000005045	0.00	3.95	1.40
SRCPARAM	L0003553	0.000005045	0.00	3.95	1.40
SRCPARAM	L0003554	0.000005045	0.00	3.95	1.40
SRCPARAM	L0003555	0.000005045	0.00	3.95	1.40
SRCPARAM	L0003556	0.000005045	0.00	3.95	1.40
SRCPARAM	L0003557	0.000005045	0.00	3.95	1.40
SRCPARAM	L0003558	0.000005045	0.00	3.95	1.40

**

** LINE VOLUME Source ID = SLINE19

SRCPARAM	L0003559	0.0000003225	0.00	3.95	1.40
SRCPARAM	L0003560	0.0000003225	0.00	3.95	1.40
SRCPARAM	L0003561	0.0000003225	0.00	3.95	1.40
SRCPARAM	L0003562	0.0000003225	0.00	3.95	1.40
SRCPARAM	L0003563	0.0000003225	0.00	3.95	1.40
SRCPARAM	L0003564	0.0000003225	0.00	3.95	1.40
SRCPARAM	L0003565	0.0000003225	0.00	3.95	1.40
SRCPARAM	L0003566	0.0000003225	0.00	3.95	1.40

**

** LINE VOLUME Source ID = SLINE15

SRCPARAM	L0003567	0.000005736	0.00	3.95	1.40
SRCPARAM	L0003568	0.000005736	0.00	3.95	1.40
SRCPARAM	L0003569	0.000005736	0.00	3.95	1.40
SRCPARAM	L0003570	0.000005736	0.00	3.95	1.40
SRCPARAM	L0003571	0.000005736	0.00	3.95	1.40
SRCPARAM	L0003572	0.000005736	0.00	3.95	1.40
SRCPARAM	L0003573	0.000005736	0.00	3.95	1.40
SRCPARAM	L0003574	0.000005736	0.00	3.95	1.40
SRCPARAM	L0003575	0.000005736	0.00	3.95	1.40
SRCPARAM	L0003576	0.000005736	0.00	3.95	1.40
SRCPARAM	L0003577	0.000005736	0.00	3.95	1.40
SRCPARAM	L0003578	0.000005736	0.00	3.95	1.40

**

** LINE VOLUME Source ID = SLINE20

AERMOD LSTs Operational Output

SRCPARAM L0003579	0.000000605	0.00	3.95	1.40
SRCPARAM L0003580	0.000000605	0.00	3.95	1.40
SRCPARAM L0003581	0.000000605	0.00	3.95	1.40
SRCPARAM L0003582	0.000000605	0.00	3.95	1.40
SRCPARAM L0003583	0.000000605	0.00	3.95	1.40
SRCPARAM L0003584	0.000000605	0.00	3.95	1.40
SRCPARAM L0003585	0.000000605	0.00	3.95	1.40
SRCPARAM L0003586	0.000000605	0.00	3.95	1.40
SRCPARAM L0003587	0.000000605	0.00	3.95	1.40
SRCPARAM L0003588	0.000000605	0.00	3.95	1.40
SRCPARAM L0003589	0.000000605	0.00	3.95	1.40
SRCPARAM L0003590	0.000000605	0.00	3.95	1.40

**

URBANSRC ALL

SRCGROUP ALL

SO FINISHED

**

** AERMOD Receptor Pathway

**

**

RE STARTING

INCLUDED PM25.rou

RE FINISHED

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** AERMOD Meteorology Pathway

**

**

ME STARTING

SURFFILE ..\..\peri8.sfc

PROFFILE ..\..\peri8.PFL

SURFDATA 3190 2007

UAIRDATA 3190 2007

SITEDATA 99999 2007

PROFBASE 442.0 METERS

ME FINISHED

**

** AERMOD Output Pathway

**

**

OU STARTING

RECTABLE ALLAVE 1ST

RECTABLE 24 1ST

AERMOD LSTs Operational Output

** Auto-Generated Plotfiles
PLOTFILE 24 ALL 1ST PM25.AD\24H1GALL.PLT 31
SUMMFILE PM25.sum
OU FINISHED

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

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

A Total of 0 Fatal Error Message(s)
A Total of 1 Warning Message(s)
A Total of 0 Informational Message(s)

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

***** WARNING MESSAGES *****
ME W531 1776 MEOPEN: CAUTION! Met Station ID Missing from SURFFILE for
SURFDATA

*** SETUP Finishes Successfully ***

♀ *** AERMOD - VERSION 15181 *** *** C:\Lakes\AERMOD
View\MVL\OperationalLSTs\PM25\PM25.isc *** 11/03/15
*** AERMET - VERSION 14134 *** ***
 *** 14:38:23

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**MODELOPTs: RegDFAULT CONC ELEV FLGPOL URBAN

*** 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

AERMOD LSTs Operational Output

**Model Uses URBAN Dispersion Algorithm for the SBL for 656 Source(s),
for Total of 1 Urban Area(s):
Urban Population = 2100516.0 ; 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:
TEMP_Sub - Meteorological data includes TEMP substitutions

**Model Accepts FLAGPOLE Receptor Heights.

**The User Specified a Pollutant Type of: PM_2.5

**Model Calculates 1 Short Term Average(s) of: 24-HR

**This Run Includes: 656 Source(s); 1 Source Group(s); and 8
Receptor(s)

with: 13 POINT(s), including
0 POINTCAP(s) and 0 POINTHOR(s)
and: 637 VOLUME source(s)
and: 6 AREA type source(s)
and: 0 LINE source(s)
and: 0 OPENPIT source(s)

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

**The AERMET Input Meteorological Data Version Date: 14134

**Output Options Selected:
Model Outputs Tables of Highest Short Term Values by Receptor (RECTABLE
Keyword)
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

AERMOD LSTs Operational Output

and Missing Hours

**Misc. Inputs: Base Elev. for Pot. Temp. Profile (m MSL) = 442.00 ; Decay
Coef. = 0.000 ; Rot. Angle = 0.0
Emission Units = GRAMS/SEC ;
Emission Rate Unit Factor = 0.10000E+07
Output Units = MICROGRAMS/M**3

**Approximate Storage Requirements of Model = 3.9 MB of RAM.

**Detailed Error/Message File: PM25.err

**File for Summary of Results: PM25.sum

♀ *** AERMOD - VERSION 15181 *** *** C:\Lakes\AERMOD
View\MVL\OperationalLSTs\PM25\PM25.isc *** 11/03/15
*** AERMET - VERSION 14134 *** ***
*** 14:38:23

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**MODELOPTs: RegDFAULT CONC ELEV FLGPOL URBAN

*** POINT SOURCE DATA ***

STACK	STACK	BLDG	URBAN	CAP/	EMIS	RATE	BASE	STACK	STACK
SOURCE	PART.	(GRAMS/SEC)	X	Y	ELEV.	HEIGHT	TEMP.		
EXIT VEL.	DIAMETER	EXISTS	SOURCE	HOR	SCALAR				
ID	CATS.	(METERS)	(METERS)	(METERS)	(METERS)	(DEG.K)			
(M/SEC)	(METERS)			VARY BY					
STCK1	0	0.49612E-04	478197.3	3748887.5	453.0	3.96	501.00		
49.98	0.04	NO	YES	NO					
STCK2	0	0.49612E-04	478195.1	3748735.6	452.0	3.96	501.00		
49.98	0.04	NO	YES	NO					
STCK3	0	0.49612E-04	478195.8	3748573.3	452.0	3.96	501.00		
49.98	0.04	NO	YES	NO					
STCK4	0	0.49612E-04	478198.1	3748428.1	451.0	3.96	501.00		
49.98	0.04	NO	YES	NO					
STCK5	0	0.49612E-04	477956.2	3748894.1	453.0	3.96	501.00		
49.98	0.04	NO	YES	NO					
STCK6	0	0.49612E-04	477962.1	3748741.5	453.0	3.96	501.00		
49.98	0.04	NO	YES	NO					
STCK7	0	0.49612E-04	477962.8	3748581.4	452.0	3.96	501.00		
49.98	0.04	NO	YES	NO					

AERMOD LSTs Operational Output

STCK8	0	0.49612E-04	477964.3	3748509.9	451.8	3.96	501.00
49.98	0.04	NO	YES	NO			
STCK9	0	0.49612E-04	478049.1	3748355.8	451.0	3.96	501.00
49.98	0.04	NO	YES	NO			
STCK10	0	0.49612E-04	478153.1	3748357.3	451.0	3.96	501.00
49.98	0.04	NO	YES	NO			
STCK11	0	0.10496E-03	477756.4	3748910.9	453.2	3.96	501.00
49.98	0.04	NO	YES	NO			
STCK12	0	0.83165E-04	477975.8	3748266.9	450.0	3.96	501.00
49.98	0.04	NO	YES	NO			
STCK13	0	0.14224E-03	477612.5	3748890.5	454.0	3.96	501.00
49.98	0.04	NO	YES	NO			

♀ *** AERMOD - VERSION 15181 *** C:\Lakes\AERMOD
 View\MVL\OperationalLSTs\PM25\PM25.isc *** 11/03/15
 *** AERMET - VERSION 14134 ***
 *** 14:38:23

***MODELOPTs: RegDFAULT CONC PAGE 3
 ELEV FLGPOL URBAN

*** VOLUME SOURCE DATA ***

INIT.	URBAN	NUMBER EMISSION RATE	BASE	RELEASE	INIT.
SOURCE	SCALAR	EMISSION RATE	ELEV.	HEIGHT	SY
SZ	SCALAR	PART. (GRAMS/SEC)	X	Y	
ID	CATS.	BY	(METERS)	(METERS)	(METERS)
(METERS)					
L0002954	0	0.74290E-05	478216.2	3748416.3	451.0
1.86 YES					
L0002955	0	0.74290E-05	478216.3	3748446.3	451.0
1.86 YES					
L0002956	0	0.74290E-05	478216.5	3748476.3	451.2
1.86 YES					
L0002957	0	0.74290E-05	478216.6	3748506.3	451.7
1.86 YES					
L0002958	0	0.74290E-05	478216.7	3748536.3	452.0
1.86 YES					
L0002959	0	0.74290E-05	478216.9	3748566.3	452.0
1.86 YES					
L0002960	0	0.74290E-05	478217.0	3748596.3	452.0
1.86 YES					
L0002961	0	0.74290E-05	478217.2	3748626.3	452.0
1.86 YES					

AERMOD LSTs Operational Output

L0002962	0	0.74290E-05	478217.3	3748656.3	452.0	4.00	13.95
1.86 YES							
L0002963	0	0.74290E-05	478217.4	3748686.3	452.0	4.00	13.95
1.86 YES							
L0002964	0	0.74290E-05	478217.6	3748716.3	452.0	4.00	13.95
1.86 YES							
L0002965	0	0.74290E-05	478217.7	3748746.3	452.0	4.00	13.95
1.86 YES							
L0002966	0	0.74290E-05	478217.8	3748776.3	452.0	4.00	13.95
1.86 YES							
L0002967	0	0.74290E-05	478218.0	3748806.3	452.7	4.00	13.95
1.86 YES							
L0002968	0	0.74290E-05	478218.1	3748836.3	453.0	4.00	13.95
1.86 YES							
L0002969	0	0.74290E-05	478218.3	3748866.3	453.0	4.00	13.95
1.86 YES							
L0002970	0	0.74290E-05	478218.4	3748896.3	453.0	4.00	13.95
1.86 YES							
L0002971	0	0.77000E-05	477943.9	3748501.1	451.5	4.00	13.95
1.86 YES							
L0002972	0	0.77000E-05	477944.1	3748531.1	452.0	4.00	13.95
1.86 YES							
L0002973	0	0.77000E-05	477944.4	3748561.1	452.0	4.00	13.95
1.86 YES							
L0002974	0	0.77000E-05	477944.7	3748591.1	452.0	4.00	13.95
1.86 YES							
L0002975	0	0.77000E-05	477944.9	3748621.1	452.0	4.00	13.95
1.86 YES							
L0002976	0	0.77000E-05	477945.2	3748651.1	452.0	4.00	13.95
1.86 YES							
L0002977	0	0.77000E-05	477945.4	3748681.1	452.5	4.00	13.95
1.86 YES							
L0002978	0	0.77000E-05	477945.7	3748711.1	453.0	4.00	13.95
1.86 YES							
L0002979	0	0.77000E-05	477945.9	3748741.1	453.0	4.00	13.95
1.86 YES							
L0002980	0	0.77000E-05	477946.2	3748771.1	453.0	4.00	13.95
1.86 YES							
L0002981	0	0.77000E-05	477946.5	3748801.1	453.0	4.00	13.95
1.86 YES							
L0002982	0	0.77000E-05	477946.7	3748831.1	453.0	4.00	13.95
1.86 YES							
L0002983	0	0.77000E-05	477947.0	3748861.1	453.0	4.00	13.95
1.86 YES							
L0002984	0	0.77000E-05	477947.2	3748891.1	453.0	4.00	13.95
1.86 YES							
L0002985	0	0.71020E-05	477756.7	3748938.5	454.0	4.00	3.95
1.86 YES							

AERMOD LSTs Operational Output

L0002986	0	0.71020E-05	477756.7	3748930.0	453.8	4.00	3.95
1.86 YES							
L0002987	0	0.71020E-05	477756.7	3748921.5	453.6	4.00	3.95
1.86 YES							
L0002988	0	0.71020E-05	477756.7	3748913.0	453.3	4.00	3.95
1.86 YES							
L0002989	0	0.71020E-05	477756.7	3748904.5	453.1	4.00	3.95
1.86 YES							
L0002990	0	0.71020E-05	477756.7	3748896.0	453.1	4.00	3.95
1.86 YES							
L0002991	0	0.71020E-05	477756.7	3748887.5	453.1	4.00	3.95
1.86 YES							
L0002992	0	0.71020E-05	477756.7	3748879.0	453.1	4.00	3.95
1.86 YES							
L0002993	0	0.21440E-05	477900.2	3748339.0	451.0	4.00	3.95
1.86 YES							

♀ *** AERMOD - VERSION 15181 *** *** C:\Lakes\AERMOD
View\MVL\OperationalLSTs\PM25\PM25.isc *** 11/03/15
*** AERMET - VERSION 14134 *** ***
*** 14:38:23

***MODELOPTs: RegDFAULT CONC PAGE 4
ELEV FLGPOL URBAN

*** VOLUME SOURCE DATA ***

INIT.	URBAN	NUMBER EMISSION RATE	BASE	RELEASE	INIT.
SOURCE	EMISSION RATE				
SZ SOURCE	PART. (GRAMS/SEC)	X	Y	ELEV.	HEIGHT
ID	SCALAR VARY	(METERS)	(METERS)	(METERS)	(METERS)
(METERS)	CATS.				(METERS)
	BY				

L0002994	0	0.21440E-05	477908.7	3748339.0	451.0	4.00	3.95
1.86 YES							
L0002995	0	0.21440E-05	477917.1	3748338.9	451.0	4.00	3.95
1.86 YES							
L0002996	0	0.21440E-05	477925.6	3748338.8	451.0	4.00	3.95
1.86 YES							
L0002997	0	0.21440E-05	477934.1	3748338.8	451.0	4.00	3.95
1.86 YES							
L0002998	0	0.21440E-05	477942.6	3748338.0	451.0	4.00	3.95
1.86 YES							
L0002999	0	0.21440E-05	477947.6	3748331.8	451.0	4.00	3.95
1.86 YES							

AERMOD LSTs Operational Output							
L0003000	0	0.21440E-05	477951.8	3748324.5	451.0	4.00	3.95
1.86 YES							
L0003001	0	0.21440E-05	477956.1	3748317.1	450.0	4.00	3.95
1.86 YES							
L0003002	0	0.21440E-05	477960.3	3748309.7	450.0	4.00	3.95
1.86 YES							
L0003003	0	0.21440E-05	477964.6	3748302.3	450.0	4.00	3.95
1.86 YES							
L0003004	0	0.21440E-05	477968.8	3748295.0	450.0	4.00	3.95
1.86 YES							
L0003005	0	0.21440E-05	477973.0	3748287.6	450.0	4.00	3.95
1.86 YES							
L0003006	0	0.21440E-05	477976.2	3748279.9	450.0	4.00	3.95
1.86 YES							
L0003007	0	0.21440E-05	477977.3	3748271.5	450.0	4.00	3.95
1.86 YES							
L0003008	0	0.21440E-05	477978.3	3748263.0	450.0	4.00	3.95
1.86 YES							
L0003009	0	0.21440E-05	477978.3	3748254.5	450.0	4.00	3.95
1.86 YES							
L0003010	0	0.21440E-05	477978.3	3748246.0	450.0	4.00	3.95
1.86 YES							
L0003011	0	0.21440E-05	477978.2	3748237.5	450.0	4.00	3.95
1.86 YES							
L0003012	0	0.21440E-05	477978.2	3748229.0	450.0	4.00	3.95
1.86 YES							
L0003013	0	0.21440E-05	477978.1	3748220.5	450.0	4.00	3.95
1.86 YES							
L0003014	0	0.51330E-05	477608.7	3748929.3	454.0	0.00	3.95
1.86 YES							
L0003015	0	0.51330E-05	477608.7	3748920.8	454.0	0.00	3.95
1.86 YES							
L0003016	0	0.51330E-05	477608.7	3748912.3	454.0	0.00	3.95
1.86 YES							
L0003017	0	0.51330E-05	477608.7	3748903.8	454.0	0.00	3.95
1.86 YES							
L0003018	0	0.51330E-05	477608.7	3748895.3	454.0	0.00	3.95
1.86 YES							
L0003019	0	0.51330E-05	477608.7	3748886.8	454.0	0.00	3.95
1.86 YES							
L0003020	0	0.51330E-05	477608.7	3748878.3	454.0	0.00	3.95
1.86 YES							
L0003021	0	0.51330E-05	477608.7	3748869.8	454.0	0.00	3.95
1.86 YES							
L0003022	0	0.51330E-05	477608.7	3748861.3	454.0	0.00	3.95
1.86 YES							
L0003023	0	0.51330E-05	477608.7	3748852.8	454.0	0.00	3.95
1.86 YES							

AERMOD LSTs Operational Output

L0003024	0	0.51330E-05	477608.7	3748844.3	454.0	0.00	3.95
1.86 YES							
L0003025	0	0.51330E-05	477608.7	3748835.8	454.0	0.00	3.95
1.86 YES							
L0003026	0	0.51330E-05	477608.7	3748827.3	454.0	0.00	3.95
1.86 YES							
L0003027	0	0.51330E-05	477608.7	3748818.8	454.0	0.00	3.95
1.86 YES							
L0003028	0	0.51330E-05	477608.7	3748810.3	454.0	0.00	3.95
1.86 YES							
L0003029	0	0.69540E-05	478043.0	3748335.2	451.0	0.00	13.95
1.86 YES							
L0003030	0	0.69540E-05	478073.0	3748334.5	451.0	0.00	13.95
1.86 YES							
L0003031	0	0.69540E-05	478103.0	3748333.9	451.0	0.00	13.95
1.86 YES							
L0003032	0	0.69540E-05	478133.0	3748333.2	451.0	0.00	13.95
1.86 YES							
L0003033	0	0.69540E-05	478163.0	3748332.6	451.0	0.00	13.95
1.86 YES							

♀ *** AERMOD - VERSION 15181 *** C:\Lakes\AERMOD
 View\MVL\OperationalLSTs\PM25\PM25.isc *** 11/03/15
 *** AERMET - VERSION 14134 ***
 *** 14:38:23

**MODELOPTs: RegDFAULT CONC PAGE 5
 ELEV FLGPOL URBAN

*** VOLUME SOURCE DATA ***

INIT.	URBAN	NUMBER EMISSION RATE	BASE	RELEASE	INIT.
SOURCE	EMISSION RATE				
SZ	PART. (GRAMS/SEC)	X	Y	ELEV.	HEIGHT
ID	SCALAR VARY	(METERS)	(METERS)	(METERS)	(METERS)
(METERS)	CATS.				
	BY				
- - - - -					
- - - - -					

L0003034	0	0.88170E-05	477952.3	3748971.4	453.0	4.00	3.95
1.86 YES							
L0003035	0	0.88170E-05	477952.2	3748962.9	453.0	4.00	3.95
1.86 YES							
L0003036	0	0.88170E-05	477952.0	3748954.4	453.0	4.00	3.95
1.86 YES							
L0003037	0	0.88170E-05	477951.4	3748946.0	453.0	4.00	3.95
1.86 YES							

AERMOD LSTs Operational Output							
L0003038	0	0.88170E-05	477950.2	3748937.5	453.0	4.00	3.95
1.86 YES							
L0003039	0	0.88170E-05	477949.0	3748929.1	453.0	4.00	3.95
1.86 YES							
L0003040	0	0.88170E-05	477948.2	3748920.7	453.0	4.00	3.95
1.86 YES							
L0003041	0	0.88170E-05	477948.1	3748912.2	453.0	4.00	3.95
1.86 YES							
L0003042	0	0.88170E-05	477947.9	3748903.7	453.0	4.00	3.95
1.86 YES							
L0003043	0	0.88170E-05	477947.8	3748895.2	453.0	4.00	3.95
1.86 YES							
L0003044	0	0.88170E-05	477947.6	3748886.7	453.0	4.00	3.95
1.86 YES							
L0003045	0	0.88170E-05	477947.5	3748878.2	453.0	4.00	3.95
1.86 YES							
L0003046	0	0.88170E-05	477947.3	3748869.7	453.0	4.00	3.95
1.86 YES							
L0003047	0	0.88170E-05	477947.2	3748861.2	453.0	4.00	3.95
1.86 YES							
L0003048	0	0.88170E-05	477947.2	3748852.7	453.0	4.00	3.95
1.86 YES							
L0003049	0	0.88170E-05	477947.1	3748844.2	453.0	4.00	3.95
1.86 YES							
L0003050	0	0.88170E-05	477947.0	3748835.7	453.0	4.00	3.95
1.86 YES							
L0003051	0	0.88170E-05	477947.0	3748827.2	453.0	4.00	3.95
1.86 YES							
L0003052	0	0.88170E-05	477946.9	3748818.7	453.0	4.00	3.95
1.86 YES							
L0003053	0	0.88170E-05	477946.8	3748810.2	453.0	4.00	3.95
1.86 YES							
L0003054	0	0.88170E-05	477946.7	3748801.7	453.0	4.00	3.95
1.86 YES							
L0003055	0	0.88170E-05	477946.7	3748793.2	453.0	4.00	3.95
1.86 YES							
L0003056	0	0.88170E-05	477946.6	3748784.7	453.0	4.00	3.95
1.86 YES							
L0003057	0	0.88170E-05	477946.5	3748776.2	453.0	4.00	3.95
1.86 YES							
L0003058	0	0.88170E-05	477946.5	3748767.7	453.0	4.00	3.95
1.86 YES							
L0003059	0	0.88170E-05	477946.4	3748759.2	453.0	4.00	3.95
1.86 YES							
L0003060	0	0.88170E-05	477946.3	3748750.7	453.0	4.00	3.95
1.86 YES							
L0003061	0	0.88170E-05	477946.3	3748742.2	453.0	4.00	3.95
1.86 YES							

AERMOD LSTs Operational Output

L0003062	0	0.88170E-05	477946.2	3748733.7	453.0	4.00	3.95
1.86 YES							
L0003063	0	0.88170E-05	477946.1	3748725.2	453.0	4.00	3.95
1.86 YES							
L0003064	0	0.88170E-05	477946.1	3748716.7	453.0	4.00	3.95
1.86 YES							
L0003065	0	0.88170E-05	477946.0	3748708.2	453.0	4.00	3.95
1.86 YES							
L0003066	0	0.88170E-05	477945.9	3748699.7	453.0	4.00	3.95
1.86 YES							
L0003067	0	0.88170E-05	477945.9	3748691.2	452.8	4.00	3.95
1.86 YES							
L0003068	0	0.88170E-05	477945.8	3748682.7	452.5	4.00	3.95
1.86 YES							
L0003069	0	0.88170E-05	477945.7	3748674.2	452.2	4.00	3.95
1.86 YES							
L0003070	0	0.88170E-05	477945.7	3748665.7	452.0	4.00	3.95
1.86 YES							
L0003071	0	0.88170E-05	477945.6	3748657.2	452.0	4.00	3.95
1.86 YES							
L0003072	0	0.88170E-05	477945.5	3748648.7	452.0	4.00	3.95
1.86 YES							
L0003073	0	0.88170E-05	477945.4	3748640.2	452.0	4.00	3.95
1.86 YES							

♀ *** AERMOD - VERSION 15181 *** C:\Lakes\AERMOD
 View\MVL\OperationalLSTs\PM25\PM25.isc *** 11/03/15
 *** AERMET - VERSION 14134 ***
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***MODELOPTs: RegDFAULT CONC PAGE 6
 ELEV FLGPOL URBAN

*** VOLUME SOURCE DATA ***

INIT.	URBAN	NUMBER	EMISSION	RATE		BASE	RELEASE	INIT.
SOURCE		EMISSION	RATE					
SZ	SOURCE	PART.	(GRAMS/SEC)	X	Y	ELEV.	HEIGHT	SY
ID		SCALAR	VARY					
(METERS)		CATS.	BY	(METERS)	(METERS)	(METERS)	(METERS)	(METERS)

L0003074	0	0.88170E-05	477945.4	3748631.7	452.0	4.00	3.95
1.86 YES							
L0003075	0	0.88170E-05	477945.3	3748623.2	452.0	4.00	3.95
1.86 YES							

AERMOD LSTs Operational Output							
L0003076	0	0.88170E-05	477945.2	3748614.7	452.0	4.00	3.95
1.86 YES							
L0003077	0	0.88170E-05	477945.2	3748606.2	452.0	4.00	3.95
1.86 YES							
L0003078	0	0.88170E-05	477945.1	3748597.7	452.0	4.00	3.95
1.86 YES							
L0003079	0	0.88170E-05	477945.0	3748589.2	452.0	4.00	3.95
1.86 YES							
L0003080	0	0.88170E-05	477945.0	3748580.7	452.0	4.00	3.95
1.86 YES							
L0003081	0	0.88170E-05	477944.9	3748572.2	452.0	4.00	3.95
1.86 YES							
L0003082	0	0.88170E-05	477944.8	3748563.7	452.0	4.00	3.95
1.86 YES							
L0003083	0	0.88170E-05	477944.8	3748555.2	452.0	4.00	3.95
1.86 YES							
L0003084	0	0.88170E-05	477944.7	3748546.7	452.0	4.00	3.95
1.86 YES							
L0003085	0	0.88170E-05	477944.6	3748538.2	452.0	4.00	3.95
1.86 YES							
L0003086	0	0.88170E-05	477944.6	3748529.7	452.0	4.00	3.95
1.86 YES							
L0003087	0	0.88170E-05	477944.5	3748521.2	452.0	4.00	3.95
1.86 YES							
L0003088	0	0.88170E-05	477944.4	3748512.7	451.9	4.00	3.95
1.86 YES							
L0003089	0	0.88170E-05	477944.4	3748504.2	451.6	4.00	3.95
1.86 YES							
L0003090	0	0.88170E-05	477944.3	3748495.7	451.3	4.00	3.95
1.86 YES							
L0003091	0	0.88170E-05	477944.7	3748487.3	451.0	4.00	3.95
1.86 YES							
L0003092	0	0.88170E-05	477948.7	3748479.8	451.0	4.00	3.95
1.86 YES							
L0003093	0	0.88170E-05	477952.8	3748472.3	451.0	4.00	3.95
1.86 YES							
L0003094	0	0.88170E-05	477956.8	3748464.9	451.0	4.00	3.95
1.86 YES							
L0003095	0	0.88170E-05	477960.8	3748457.4	451.0	4.00	3.95
1.86 YES							
L0003096	0	0.88170E-05	477964.8	3748449.9	451.0	4.00	3.95
1.86 YES							
L0003097	0	0.88170E-05	477968.8	3748442.4	451.0	4.00	3.95
1.86 YES							
L0003098	0	0.88170E-05	477972.8	3748434.9	451.0	4.00	3.95
1.86 YES							
L0003099	0	0.88170E-05	477976.9	3748427.4	451.0	4.00	3.95
1.86 YES							

AERMOD LSTs Operational Output

L0003100	0	0.88170E-05	477980.9	3748419.9	451.0	4.00	3.95
1.86 YES							
L0003101	0	0.88170E-05	477984.9	3748412.4	451.0	4.00	3.95
1.86 YES							
L0003102	0	0.88170E-05	477988.9	3748404.9	451.0	4.00	3.95
1.86 YES							
L0003103	0	0.88170E-05	477992.9	3748397.4	451.0	4.00	3.95
1.86 YES							
L0003104	0	0.88170E-05	477996.9	3748389.9	451.0	4.00	3.95
1.86 YES							
L0003105	0	0.88170E-05	478001.0	3748382.4	451.0	4.00	3.95
1.86 YES							
L0003106	0	0.88170E-05	478005.0	3748375.0	451.0	4.00	3.95
1.86 YES							
L0003107	0	0.88170E-05	478009.0	3748367.5	451.0	4.00	3.95
1.86 YES							
L0003108	0	0.88170E-05	478013.0	3748360.0	451.0	4.00	3.95
1.86 YES							
L0003109	0	0.88170E-05	478017.1	3748352.5	451.0	4.00	3.95
1.86 YES							
L0003110	0	0.88170E-05	478021.7	3748345.4	451.0	4.00	3.95
1.86 YES							
L0003111	0	0.88170E-05	478026.4	3748338.3	451.0	4.00	3.95
1.86 YES							
L0003112	0	0.88170E-05	478033.8	3748336.4	451.0	4.00	3.95
1.86 YES							
L0003113	0	0.88170E-05	478042.3	3748336.5	451.0	4.00	3.95
1.86 YES							

♀ *** AERMOD - VERSION 15181 *** C:\Lakes\AERMOD
 View\MVL\OperationalLSTs\PM25\PM25.isc *** 11/03/15
 *** AERMET - VERSION 14134 ***
 *** 14:38:23

**MODELOPTs: RegDFAULT CONC PAGE 7
 ELEV FLGPOL URBAN

*** VOLUME SOURCE DATA ***

INIT.	URBAN	NUMBER EMISSION RATE	BASE	RELEASE	INIT.
SOURCE	EMISSION RATE				
SZ	PART. (GRAMS/SEC)	X	Y	ELEV.	HEIGHT
ID	SCALAR VARY	(METERS)	(METERS)	(METERS)	(METERS)
(METERS)	CATS.				
	BY				
-	-	-	-	-	-
-	-	-	-	-	-

AERMOD LSTs Operational Output							
L0003114	0	0.88170E-05	478050.8	3748336.6	451.0	4.00	3.95
1.86 YES							
L0003115	0	0.88170E-05	478059.3	3748336.7	451.0	4.00	3.95
1.86 YES							
L0003116	0	0.88170E-05	478067.8	3748336.8	451.0	4.00	3.95
1.86 YES							
L0003117	0	0.88170E-05	478076.3	3748336.9	451.0	4.00	3.95
1.86 YES							
L0003118	0	0.88170E-05	478084.8	3748337.0	451.0	4.00	3.95
1.86 YES							
L0003119	0	0.88170E-05	478093.3	3748337.1	451.0	4.00	3.95
1.86 YES							
L0003120	0	0.88170E-05	478101.8	3748337.2	451.0	4.00	3.95
1.86 YES							
L0003121	0	0.88170E-05	478110.3	3748337.3	451.0	4.00	3.95
1.86 YES							
L0003122	0	0.88170E-05	478118.8	3748337.4	451.0	4.00	3.95
1.86 YES							
L0003123	0	0.88170E-05	478127.3	3748337.4	451.0	4.00	3.95
1.86 YES							
L0003124	0	0.88170E-05	478135.8	3748337.5	451.0	4.00	3.95
1.86 YES							
L0003125	0	0.88170E-05	478144.3	3748337.6	451.0	4.00	3.95
1.86 YES							
L0003126	0	0.88170E-05	478152.8	3748337.7	451.0	4.00	3.95
1.86 YES							
L0003127	0	0.88170E-05	478161.3	3748337.8	451.0	4.00	3.95
1.86 YES							
L0003128	0	0.88170E-05	478169.8	3748337.9	451.0	4.00	3.95
1.86 YES							
L0003129	0	0.88170E-05	478178.3	3748338.0	451.0	4.00	3.95
1.86 YES							
L0003130	0	0.88170E-05	478186.8	3748338.1	451.0	4.00	3.95
1.86 YES							
L0003131	0	0.88170E-05	478195.3	3748338.2	451.0	4.00	3.95
1.86 YES							
L0003132	0	0.88170E-05	478203.8	3748338.3	451.0	4.00	3.95
1.86 YES							
L0003133	0	0.88170E-05	478212.3	3748338.4	451.0	4.00	3.95
1.86 YES							
L0003134	0	0.88170E-05	478215.8	3748343.4	451.0	4.00	3.95
1.86 YES							
L0003135	0	0.88170E-05	478215.9	3748351.9	451.0	4.00	3.95
1.86 YES							
L0003136	0	0.88170E-05	478216.0	3748360.4	451.0	4.00	3.95
1.86 YES							
L0003137	0	0.88170E-05	478216.0	3748368.9	451.0	4.00	3.95
1.86 YES							

AERMOD LSTs Operational Output

L0003138	0	0.88170E-05	478216.1	3748377.4	451.0	4.00	3.95
1.86 YES							
L0003139	0	0.88170E-05	478216.1	3748385.9	451.0	4.00	3.95
1.86 YES							
L0003140	0	0.88170E-05	478216.2	3748394.4	451.0	4.00	3.95
1.86 YES							
L0003141	0	0.88170E-05	478216.3	3748402.9	451.0	4.00	3.95
1.86 YES							
L0003142	0	0.88170E-05	478216.3	3748411.4	451.0	4.00	3.95
1.86 YES							
L0003143	0	0.88170E-05	478216.4	3748419.9	451.0	4.00	3.95
1.86 YES							
L0003144	0	0.88170E-05	478216.4	3748428.4	451.0	4.00	3.95
1.86 YES							
L0003145	0	0.88170E-05	478216.5	3748436.9	451.0	4.00	3.95
1.86 YES							
L0003146	0	0.88170E-05	478216.6	3748445.4	451.0	4.00	3.95
1.86 YES							
L0003147	0	0.88170E-05	478216.6	3748453.9	451.0	4.00	3.95
1.86 YES							
L0003148	0	0.88170E-05	478216.7	3748462.4	451.0	4.00	3.95
1.86 YES							
L0003149	0	0.88170E-05	478216.7	3748470.9	451.1	4.00	3.95
1.86 YES							
L0003150	0	0.88170E-05	478216.8	3748479.4	451.2	4.00	3.95
1.86 YES							
L0003151	0	0.88170E-05	478216.9	3748487.9	451.3	4.00	3.95
1.86 YES							
L0003152	0	0.88170E-05	478216.9	3748496.4	451.5	4.00	3.95
1.86 YES							
L0003153	0	0.88170E-05	478217.0	3748504.9	451.7	4.00	3.95
1.86 YES							

♀ *** AERMOD - VERSION 15181 *** C:\Lakes\AERMOD
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 *** AERMET - VERSION 14134 ***
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***MODELOPTs: RegDFAULT CONC PAGE 8
 ELEV FLGPOL URBAN

*** VOLUME SOURCE DATA ***

INIT.	URBAN	NUMBER EMISSION RATE	BASE	RELEASE	INIT.
SOURCE	EMISSION RATE				
SZ	PART. (GRAMS/SEC)	X	Y	ELEV.	HEIGHT
SCALAR VARY					
ID	CATS.	(METERS)	(METERS)	(METERS)	(METERS)

AERMOD LSTs Operational Output

(METERS)

BY

- - - - -
- - - - -

L0003154	0	0.88170E-05	478217.0	3748513.4	451.9	4.00	3.95
1.86 YES							
L0003155	0	0.88170E-05	478217.1	3748521.9	452.0	4.00	3.95
1.86 YES							
L0003156	0	0.88170E-05	478217.2	3748530.4	452.0	4.00	3.95
1.86 YES							
L0003157	0	0.88170E-05	478217.2	3748538.9	452.0	4.00	3.95
1.86 YES							
L0003158	0	0.88170E-05	478217.3	3748547.4	452.0	4.00	3.95
1.86 YES							
L0003159	0	0.88170E-05	478217.3	3748555.9	452.0	4.00	3.95
1.86 YES							
L0003160	0	0.88170E-05	478217.4	3748564.4	452.0	4.00	3.95
1.86 YES							
L0003161	0	0.88170E-05	478217.5	3748572.9	452.0	4.00	3.95
1.86 YES							
L0003162	0	0.88170E-05	478217.5	3748581.4	452.0	4.00	3.95
1.86 YES							
L0003163	0	0.88170E-05	478217.6	3748589.9	452.0	4.00	3.95
1.86 YES							
L0003164	0	0.88170E-05	478217.7	3748598.4	452.0	4.00	3.95
1.86 YES							
L0003165	0	0.88170E-05	478217.7	3748606.9	452.0	4.00	3.95
1.86 YES							
L0003166	0	0.88170E-05	478217.8	3748615.4	452.0	4.00	3.95
1.86 YES							
L0003167	0	0.88170E-05	478217.8	3748623.9	452.0	4.00	3.95
1.86 YES							
L0003168	0	0.88170E-05	478217.9	3748632.4	452.0	4.00	3.95
1.86 YES							
L0003169	0	0.88170E-05	478218.0	3748640.9	452.0	4.00	3.95
1.86 YES							
L0003170	0	0.88170E-05	478218.0	3748649.4	452.0	4.00	3.95
1.86 YES							
L0003171	0	0.88170E-05	478218.1	3748657.9	452.0	4.00	3.95
1.86 YES							
L0003172	0	0.88170E-05	478218.1	3748666.4	452.0	4.00	3.95
1.86 YES							
L0003173	0	0.88170E-05	478218.2	3748674.9	452.0	4.00	3.95
1.86 YES							
L0003174	0	0.88170E-05	478218.3	3748683.4	452.0	4.00	3.95
1.86 YES							
L0003175	0	0.88170E-05	478218.3	3748691.9	452.0	4.00	3.95
1.86 YES							

AERMOD LSTs Operational Output

L0003176	0	0.88170E-05	478218.4	3748700.4	452.0	4.00	3.95
1.86 YES							
L0003177	0	0.88170E-05	478218.4	3748708.9	452.0	4.00	3.95
1.86 YES							
L0003178	0	0.88170E-05	478218.5	3748717.4	452.0	4.00	3.95
1.86 YES							
L0003179	0	0.88170E-05	478218.6	3748725.9	452.0	4.00	3.95
1.86 YES							
L0003180	0	0.88170E-05	478218.6	3748734.4	452.0	4.00	3.95
1.86 YES							
L0003181	0	0.88170E-05	478218.7	3748742.9	452.0	4.00	3.95
1.86 YES							
L0003182	0	0.88170E-05	478218.7	3748751.4	452.0	4.00	3.95
1.86 YES							
L0003183	0	0.88170E-05	478218.8	3748759.9	452.0	4.00	3.95
1.86 YES							
L0003184	0	0.88170E-05	478218.9	3748768.4	452.0	4.00	3.95
1.86 YES							
L0003185	0	0.88170E-05	478218.9	3748776.9	452.0	4.00	3.95
1.86 YES							
L0003186	0	0.88170E-05	478219.0	3748785.4	452.0	4.00	3.95
1.86 YES							
L0003187	0	0.88170E-05	478219.0	3748793.9	452.2	4.00	3.95
1.86 YES							
L0003188	0	0.88170E-05	478219.1	3748802.4	452.5	4.00	3.95
1.86 YES							
L0003189	0	0.88170E-05	478219.2	3748810.9	452.8	4.00	3.95
1.86 YES							
L0003190	0	0.88170E-05	478219.2	3748819.4	453.0	4.00	3.95
1.86 YES							
L0003191	0	0.88170E-05	478219.3	3748827.9	453.0	4.00	3.95
1.86 YES							
L0003192	0	0.88170E-05	478219.3	3748836.4	453.0	4.00	3.95
1.86 YES							
L0003193	0	0.88170E-05	478219.4	3748844.9	453.0	4.00	3.95
1.86 YES							

*** AERMOD - VERSION 15181 *** C:\Lakes\AERMOD
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 *** AERMET - VERSION 14134 ***
 *** 14:38:23

**MODELOPTs: RegDFAULT CONC PAGE 9
 ELEV FLGPOL URBAN

*** VOLUME SOURCE DATA ***

NUMBER EMISSION RATE BASE RELEASE INIT.

AERMOD LSTs Operational Output

INIT.	URBAN	EMISSION RATE						
SOURCE		PART. (GRAMS/SEC)	X	Y	ELEV.	HEIGHT	SY	
SZ	SOURCE	SCALAR VARY						
ID		CATS.	(METERS)	(METERS)	(METERS)	(METERS)	(METERS)	
(METERS)		BY						

L0003194		0	0.88170E-05	478219.5	3748853.4	453.0	4.00	3.95
1.86	YES							
L0003195		0	0.88170E-05	478219.5	3748861.9	453.0	4.00	3.95
1.86	YES							
L0003196		0	0.88170E-05	478219.6	3748870.4	453.0	4.00	3.95
1.86	YES							
L0003197		0	0.88170E-05	478219.6	3748878.9	453.0	4.00	3.95
1.86	YES							
L0003198		0	0.88170E-05	478219.7	3748887.4	453.0	4.00	3.95
1.86	YES							
L0003199		0	0.88170E-05	478219.8	3748895.9	453.0	4.00	3.95
1.86	YES							
L0003200		0	0.88170E-05	478219.8	3748904.4	453.0	4.00	3.95
1.86	YES							
L0003201		0	0.88170E-05	478219.9	3748912.9	453.0	4.00	3.95
1.86	YES							
L0003202		0	0.88170E-05	478217.5	3748921.1	453.0	4.00	3.95
1.86	YES							
L0003203		0	0.88170E-05	478215.0	3748929.2	453.0	4.00	3.95
1.86	YES							
L0003204		0	0.88170E-05	478212.6	3748937.3	453.0	4.00	3.95
1.86	YES							
L0003205		0	0.88170E-05	478210.1	3748945.4	453.0	4.00	3.95
1.86	YES							
L0003206		0	0.88170E-05	478207.6	3748953.6	453.0	4.00	3.95
1.86	YES							
L0003207		0	0.88170E-05	478205.1	3748961.7	453.0	4.00	3.95
1.86	YES							
L0003208		0	0.88170E-05	478202.7	3748969.8	453.0	4.00	3.95
1.86	YES							
L0003209		0	0.18780E-05	477852.8	3748835.2	453.0	4.00	3.95
1.86	YES							
L0003210		0	0.18780E-05	477852.8	3748843.7	453.0	4.00	3.95
1.86	YES							
L0003211		0	0.18780E-05	477852.9	3748852.2	453.0	4.00	3.95
1.86	YES							
L0003212		0	0.18780E-05	477852.9	3748860.7	453.0	4.00	3.95
1.86	YES							
L0003213		0	0.18780E-05	477853.0	3748869.2	453.0	4.00	3.95
1.86	YES							

AERMOD LSTs Operational Output

L0003214	0	0.18780E-05	477853.0	3748877.7	453.0	4.00	3.95
1.86 YES							
L0003215	0	0.18780E-05	477853.1	3748886.2	453.0	4.00	3.95
1.86 YES							
L0003216	0	0.18780E-05	477853.1	3748894.7	453.0	4.00	3.95
1.86 YES							
L0003217	0	0.18780E-05	477853.1	3748903.2	453.0	4.00	3.95
1.86 YES							
L0003218	0	0.18780E-05	477853.2	3748911.7	453.0	4.00	3.95
1.86 YES							
L0003219	0	0.18780E-05	477853.2	3748920.2	453.0	4.00	3.95
1.86 YES							
L0003220	0	0.18780E-05	477853.3	3748928.7	453.0	4.00	3.95
1.86 YES							
L0003221	0	0.18780E-05	477853.3	3748937.2	453.0	4.00	3.95
1.86 YES							
L0003222	0	0.18780E-05	477853.4	3748945.7	453.0	4.00	3.95
1.86 YES							
L0003223	0	0.18780E-05	477853.4	3748954.2	453.0	4.00	3.95
1.86 YES							
L0003224	0	0.18780E-05	477853.5	3748962.7	453.0	4.00	3.95
1.86 YES							
L0003225	0	0.18780E-05	477853.5	3748971.2	453.2	4.00	3.95
1.86 YES							
L0003226	0	0.18780E-05	477853.5	3748979.7	453.4	4.00	3.95
1.86 YES							
L0003227	0	0.18780E-05	477845.0	3748979.7	453.5	4.00	3.95
1.86 YES							
L0003228	0	0.18780E-05	477836.5	3748979.6	453.7	4.00	3.95
1.86 YES							
L0003229	0	0.18780E-05	477828.0	3748979.6	453.9	4.00	3.95
1.86 YES							
L0003230	0	0.18780E-05	477819.5	3748979.6	454.0	4.00	3.95
1.86 YES							
L0003231	0	0.18780E-05	477811.0	3748979.6	454.0	4.00	3.95
1.86 YES							
L0003232	0	0.18780E-05	477802.5	3748979.6	454.0	4.00	3.95
1.86 YES							
L0003233	0	0.18780E-05	477794.0	3748979.5	454.0	4.00	3.95
1.86 YES							

♀ *** AERMOD - VERSION 15181 *** C:\Lakes\AERMOD
 View\MVL\OperationalLSTs\PM25\PM25.isc *** 11/03/15
 *** AERMET - VERSION 14134 ***
 *** 14:38:23

***MODELOPTs: RegDFAULT CONC PAGE 10
 ELEV FLGPOL URBAN

AERMOD LSTs Operational Output

*** VOLUME SOURCE DATA ***

INIT.	URBAN	NUMBER EMISSION RATE			BASE	RELEASE	INIT.
SOURCE		EMISSION RATE					
SZ	SOURCE	PART. (GRAMS/SEC)	X	Y	ELEV.	HEIGHT	SY
ID		SCALAR VARY					
(METERS)		CATS.	(METERS)	(METERS)	(METERS)	(METERS)	(METERS)
		BY					

L0003234	0	0.18780E-05	477785.5	3748979.5	454.0	4.00	3.95
1.86 YES							
L0003235	0	0.18780E-05	477777.0	3748979.5	454.0	4.00	3.95
1.86 YES							
L0003236	0	0.18780E-05	477768.5	3748979.5	454.0	4.00	3.95
1.86 YES							
L0003237	0	0.18780E-05	477760.0	3748979.5	454.0	4.00	3.95
1.86 YES							
L0003238	0	0.18780E-05	477751.5	3748979.4	454.0	4.00	3.95
1.86 YES							
L0003239	0	0.18780E-05	477743.0	3748979.4	454.0	4.00	3.95
1.86 YES							
L0003240	0	0.18780E-05	477742.7	3748971.2	454.0	4.00	3.95
1.86 YES							
L0003241	0	0.18780E-05	477742.7	3748962.7	454.0	4.00	3.95
1.86 YES							
L0003242	0	0.18780E-05	477742.6	3748954.2	454.0	4.00	3.95
1.86 YES							
L0003243	0	0.18780E-05	477742.6	3748945.7	454.0	4.00	3.95
1.86 YES							
L0003244	0	0.18780E-05	477742.5	3748937.2	454.0	4.00	3.95
1.86 YES							
L0003245	0	0.18780E-05	477742.5	3748928.7	453.9	4.00	3.95
1.86 YES							
L0003246	0	0.18780E-05	477742.4	3748920.2	453.8	4.00	3.95
1.86 YES							
L0003247	0	0.18780E-05	477742.4	3748911.7	453.7	4.00	3.95
1.86 YES							
L0003248	0	0.18780E-05	477742.3	3748903.2	453.6	4.00	3.95
1.86 YES							
L0003249	0	0.18780E-05	477742.3	3748894.7	453.6	4.00	3.95
1.86 YES							
L0003250	0	0.18780E-05	477742.2	3748886.2	453.6	4.00	3.95
1.86 YES							
L0003251	0	0.18780E-05	477744.2	3748878.0	453.5	4.00	3.95
1.86 YES							

AERMOD LSTs Operational Output

L0003252	0	0.18780E-05	477746.5	3748869.8	453.6	4.00	3.95
1.86 YES							
L0003253	0	0.18780E-05	477748.8	3748861.6	453.7	4.00	3.95
1.86 YES							
L0003254	0	0.18780E-05	477751.1	3748853.4	453.8	4.00	3.95
1.86 YES							
L0003255	0	0.18780E-05	477753.4	3748845.3	454.0	4.00	3.95
1.86 YES							
L0003256	0	0.18780E-05	477757.5	3748838.2	453.7	4.00	3.95
1.86 YES							
L0003257	0	0.18780E-05	477763.8	3748832.5	453.5	4.00	3.95
1.86 YES							
L0003258	0	0.18780E-05	477770.1	3748826.8	453.2	4.00	3.95
1.86 YES							
L0003259	0	0.18780E-05	477778.6	3748826.5	453.1	4.00	3.95
1.86 YES							
L0003260	0	0.18780E-05	477787.1	3748826.4	453.0	4.00	3.95
1.86 YES							
L0003261	0	0.18780E-05	477795.6	3748826.2	453.0	4.00	3.95
1.86 YES							
L0003262	0	0.18780E-05	477804.1	3748826.1	453.0	4.00	3.95
1.86 YES							
L0003263	0	0.18780E-05	477812.6	3748826.1	453.0	4.00	3.95
1.86 YES							
L0003264	0	0.18780E-05	477821.1	3748826.0	453.0	4.00	3.95
1.86 YES							
L0003265	0	0.18780E-05	477829.6	3748826.0	453.0	4.00	3.95
1.86 YES							
L0003266	0	0.18780E-05	477838.1	3748825.9	453.0	4.00	3.95
1.86 YES							
L0003267	0	0.18780E-05	477846.6	3748825.8	453.0	4.00	3.95
1.86 YES							
L0003268	0	0.14800E-05	477886.6	3748203.7	450.0	4.00	3.95
1.86 YES							
L0003269	0	0.14800E-05	477886.4	3748212.2	450.0	4.00	3.95
1.86 YES							
L0003270	0	0.14800E-05	477886.3	3748220.7	450.1	4.00	3.95
1.86 YES							
L0003271	0	0.14800E-05	477886.1	3748229.2	450.3	4.00	3.95
1.86 YES							
L0003272	0	0.14800E-05	477885.9	3748237.7	450.6	4.00	3.95
1.86 YES							
L0003273	0	0.14800E-05	477885.7	3748246.2	450.8	4.00	3.95
1.86 YES							

♀ *** AERMOD - VERSION 15181 *** *** C:\Lakes\AERMOD

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AERMOD LSTs Operational Output

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**MODELOPTs: RegDFAULT CONC ELEV FLGPOL URBAN

*** VOLUME SOURCE DATA ***

INIT.	URBAN	NUMBER	EMISSION	RATE		BASE	RELEASE	INIT.
SOURCE		EMISSION	RATE					
SZ	SOURCE	PART.	(GRAMS/SEC)	X	Y	ELEV.	HEIGHT	SY
ID		SCALAR	VARY					
(METERS)		CATS.	BY	(METERS)	(METERS)	(METERS)	(METERS)	(METERS)
-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-
L0003274		0	0.14800E-05	477885.5	3748254.7	450.9	4.00	3.95
1.86	YES							
L0003275		0	0.14800E-05	477885.6	3748263.2	450.9	4.00	3.95
1.86	YES							
L0003276		0	0.14800E-05	477885.7	3748271.7	451.0	4.00	3.95
1.86	YES							
L0003277		0	0.14800E-05	477885.8	3748280.2	451.0	4.00	3.95
1.86	YES							
L0003278		0	0.14800E-05	477885.9	3748288.7	451.0	4.00	3.95
1.86	YES							
L0003279		0	0.14800E-05	477886.0	3748297.2	451.0	4.00	3.95
1.86	YES							
L0003280		0	0.14800E-05	477886.1	3748305.7	451.0	4.00	3.95
1.86	YES							
L0003281		0	0.14800E-05	477886.2	3748314.2	451.0	4.00	3.95
1.86	YES							
L0003282		0	0.14800E-05	477886.3	3748322.7	451.0	4.00	3.95
1.86	YES							
L0003283		0	0.14800E-05	477886.4	3748331.2	451.0	4.00	3.95
1.86	YES							
L0003284		0	0.14800E-05	477889.0	3748337.4	451.0	4.00	3.95
1.86	YES							
L0003285		0	0.14800E-05	477897.5	3748338.1	451.0	4.00	3.95
1.86	YES							
L0003286		0	0.14800E-05	477906.0	3748338.9	451.0	4.00	3.95
1.86	YES							
L0003287		0	0.14800E-05	477914.4	3748339.7	451.0	4.00	3.95
1.86	YES							
L0003288		0	0.14800E-05	477922.9	3748339.5	451.0	4.00	3.95
1.86	YES							
L0003289		0	0.14800E-05	477931.4	3748338.9	451.0	4.00	3.95
1.86	YES							

AERMOD LSTs Operational Output							
L0003290	0	0.14800E-05	477939.8	3748338.2	451.0	4.00	3.95
1.86 YES							
L0003291	0	0.14800E-05	477945.5	3748332.6	451.0	4.00	3.95
1.86 YES							
L0003292	0	0.14800E-05	477950.6	3748325.7	451.0	4.00	3.95
1.86 YES							
L0003293	0	0.14800E-05	477955.0	3748318.5	450.0	4.00	3.95
1.86 YES							
L0003294	0	0.14800E-05	477959.4	3748311.2	450.0	4.00	3.95
1.86 YES							
L0003295	0	0.14800E-05	477963.8	3748303.9	450.0	4.00	3.95
1.86 YES							
L0003296	0	0.14800E-05	477968.2	3748296.7	450.0	4.00	3.95
1.86 YES							
L0003297	0	0.14800E-05	477972.6	3748289.4	450.0	4.00	3.95
1.86 YES							
L0003298	0	0.14800E-05	477975.8	3748281.7	450.0	4.00	3.95
1.86 YES							
L0003299	0	0.14800E-05	477977.7	3748273.4	450.0	4.00	3.95
1.86 YES							
L0003300	0	0.14800E-05	477979.6	3748265.1	450.0	4.00	3.95
1.86 YES							
L0003301	0	0.14800E-05	477981.3	3748256.8	450.0	4.00	3.95
1.86 YES							
L0003302	0	0.14800E-05	477980.6	3748248.3	450.0	4.00	3.95
1.86 YES							
L0003303	0	0.14800E-05	477979.9	3748239.8	450.0	4.00	3.95
1.86 YES							
L0003304	0	0.14800E-05	477979.2	3748231.4	450.0	4.00	3.95
1.86 YES							
L0003305	0	0.14800E-05	477978.4	3748222.9	450.0	4.00	3.95
1.86 YES							
L0003306	0	0.14800E-05	477982.6	3748217.0	450.0	4.00	3.95
1.86 YES							
L0003307	0	0.14800E-05	477990.0	3748212.7	450.0	4.00	3.95
1.86 YES							
L0003308	0	0.14800E-05	477994.0	3748206.5	450.0	4.00	3.95
1.86 YES							
L0003309	0	0.14800E-05	477994.1	3748198.0	450.0	4.00	3.95
1.86 YES							
L0003310	0	0.14800E-05	477986.1	3748197.5	450.0	4.00	3.95
1.86 YES							
L0003311	0	0.14800E-05	477977.6	3748197.5	450.0	4.00	3.95
1.86 YES							
L0003312	0	0.14800E-05	477969.1	3748197.5	450.0	4.00	3.95
1.86 YES							
L0003313	0	0.14800E-05	477960.6	3748197.5	450.0	4.00	3.95
1.86 YES							

AERMOD LSTs Operational Output

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 ELEV FLGPOL URBAN

*** VOLUME SOURCE DATA ***

INIT.	URBAN	NUMBER	EMISSION	RATE		BASE	RELEASE	INIT.
SZ	SOURCE	EMISSION	RATE			ELEV.	HEIGHT	SY
	ID	SCALAR	PART.	(GRAMS/SEC)	X	Y		
(METERS)		CATS.	BY		(METERS)	(METERS)	(METERS)	(METERS)
L0003314		0	0.14800E-05	477952.1	3748197.5	450.0	4.00	3.95
1.86	YES							
L0003315		0	0.14800E-05	477943.6	3748197.5	450.0	4.00	3.95
1.86	YES							
L0003316		0	0.14800E-05	477935.1	3748197.5	450.0	4.00	3.95
1.86	YES							
L0003317		0	0.25260E-05	477505.1	3748975.7	454.2	4.00	3.95
1.86	YES							
L0003318		0	0.25260E-05	477513.6	3748975.6	454.1	4.00	3.95
1.86	YES							
L0003319		0	0.25260E-05	477522.1	3748975.4	454.0	4.00	3.95
1.86	YES							
L0003320		0	0.25260E-05	477530.6	3748975.2	454.0	4.00	3.95
1.86	YES							
L0003321		0	0.25260E-05	477539.1	3748975.1	454.0	4.00	3.95
1.86	YES							
L0003322		0	0.25260E-05	477547.6	3748974.9	454.0	4.00	3.95
1.86	YES							
L0003323		0	0.25260E-05	477556.1	3748974.7	454.0	4.00	3.95
1.86	YES							
L0003324		0	0.25260E-05	477564.6	3748974.6	454.0	4.00	3.95
1.86	YES							
L0003325		0	0.25260E-05	477573.1	3748974.4	454.0	4.00	3.95
1.86	YES							
L0003326		0	0.25260E-05	477581.6	3748974.2	454.0	4.00	3.95
1.86	YES							
L0003327		0	0.25260E-05	477590.1	3748974.1	454.0	4.00	3.95
1.86	YES							

AERMOD LSTs Operational Output							
L0003328	0	0.25260E-05	477598.5	3748973.8	454.0	4.00	3.95
1.86 YES							
L0003329	0	0.25260E-05	477605.4	3748968.8	454.0	4.00	3.95
1.86 YES							
L0003330	0	0.25260E-05	477611.1	3748963.0	454.0	4.00	3.95
1.86 YES							
L0003331	0	0.25260E-05	477613.4	3748954.9	454.0	4.00	3.95
1.86 YES							
L0003332	0	0.25260E-05	477615.7	3748946.7	454.0	4.00	3.95
1.86 YES							
L0003333	0	0.25260E-05	477618.0	3748938.5	454.0	4.00	3.95
1.86 YES							
L0003334	0	0.25260E-05	477620.0	3748930.2	454.0	4.00	3.95
1.86 YES							
L0003335	0	0.25260E-05	477621.7	3748921.9	454.0	4.00	3.95
1.86 YES							
L0003336	0	0.25260E-05	477623.4	3748913.6	454.0	4.00	3.95
1.86 YES							
L0003337	0	0.25260E-05	477625.1	3748905.3	454.0	4.00	3.95
1.86 YES							
L0003338	0	0.25260E-05	477626.2	3748896.9	454.0	4.00	3.95
1.86 YES							
L0003339	0	0.25260E-05	477626.4	3748888.4	454.0	4.00	3.95
1.86 YES							
L0003340	0	0.25260E-05	477626.5	3748879.9	454.0	4.00	3.95
1.86 YES							
L0003341	0	0.25260E-05	477626.6	3748871.4	454.0	4.00	3.95
1.86 YES							
L0003342	0	0.25260E-05	477626.7	3748862.9	454.0	4.00	3.95
1.86 YES							
L0003343	0	0.25260E-05	477626.8	3748854.4	454.0	4.00	3.95
1.86 YES							
L0003344	0	0.25260E-05	477626.9	3748845.9	454.0	4.00	3.95
1.86 YES							
L0003345	0	0.25260E-05	477627.0	3748837.4	454.0	4.00	3.95
1.86 YES							
L0003346	0	0.25260E-05	477627.1	3748828.9	454.0	4.00	3.95
1.86 YES							
L0003347	0	0.25260E-05	477627.2	3748820.4	454.0	4.00	3.95
1.86 YES							
L0003348	0	0.25260E-05	477627.3	3748811.9	454.0	4.00	3.95
1.86 YES							
L0003349	0	0.25260E-05	477627.5	3748803.4	454.0	4.00	3.95
1.86 YES							
L0003350	0	0.25260E-05	477627.0	3748795.5	454.0	4.00	3.95
1.86 YES							
L0003351	0	0.25260E-05	477618.5	3748795.7	454.0	4.00	3.95
1.86 YES							

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L0003352      0      0.25260E-05  477610.0  3748795.9    454.0      4.00      3.95
1.86      YES
L0003353      0      0.25260E-05  477601.5  3748796.2    454.0      4.00      3.95
1.86      YES
♀ *** AERMOD - VERSION 15181 ***      *** C:\Lakes\AERMOD
View\MVL\OperationalLSTs\PM25\PM25.isc      ***      11/03/15
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**MODELOPTs:  RegDFAULT CONC      PAGE 13
               ELEV      FLGPOL      URBAN

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*** VOLUME SOURCE DATA ***

		NUMBER	EMISSION RATE			BASE	RELEASE	INIT.
INIT.	URBAN	EMISSION RATE						
SOURCE		PART.	(GRAMS/SEC)	X	Y	ELEV.	HEIGHT	SY
SZ	SOURCE	SCALAR VARY						
ID		CATS.		(METERS)	(METERS)	(METERS)	(METERS)	(METERS)
(METERS)		BY						
-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-

L0003354	0	0.25260E-05	477593.0	3748796.4	454.0	4.00	3.95
1.86 YES							
L0003355	0	0.25260E-05	477584.5	3748796.6	454.0	4.00	3.95
1.86 YES							
L0003356	0	0.25260E-05	477576.0	3748796.9	454.0	4.00	3.95
1.86 YES							
L0003357	0	0.25260E-05	477567.5	3748797.1	454.0	4.00	3.95
1.86 YES							
L0003358	0	0.25260E-05	477559.0	3748797.3	454.0	4.00	3.95
1.86 YES							
L0003359	0	0.25260E-05	477550.5	3748797.5	454.0	4.00	3.95
1.86 YES							
L0003360	0	0.25260E-05	477542.0	3748797.8	454.0	4.00	3.95
1.86 YES							
L0003361	0	0.25260E-05	477533.5	3748798.0	454.0	4.00	3.95
1.86 YES							
L0003362	0	0.25260E-05	477525.0	3748798.2	454.0	4.00	3.95
1.86 YES							
L0003363	0	0.25260E-05	477516.5	3748798.5	454.0	4.00	3.95
1.86 YES							
L0003364	0	0.25260E-05	477508.0	3748798.7	454.0	4.00	3.95
1.86 YES							
L0003365	0	0.25260E-05	477499.5	3748798.9	454.0	4.00	3.95
1.86 YES							

AERMOD LSTs Operational Output							
L0003366	0	0.25260E-05	477491.0	3748799.2	454.0	4.00	3.95
1.86 YES							
L0003367	0	0.11830E-05	477922.3	3748920.1	453.0	0.00	3.95
1.40 YES							
L0003368	0	0.11830E-05	477921.9	3748928.6	453.0	0.00	3.95
1.40 YES							
L0003369	0	0.11830E-05	477921.5	3748937.1	453.0	0.00	3.95
1.40 YES							
L0003370	0	0.11830E-05	477921.1	3748945.6	453.0	0.00	3.95
1.40 YES							
L0003371	0	0.11830E-05	477920.7	3748954.1	453.0	0.00	3.95
1.40 YES							
L0003372	0	0.11830E-05	477927.7	3748955.6	453.0	0.00	3.95
1.40 YES							
L0003373	0	0.11830E-05	477936.2	3748955.6	453.0	0.00	3.95
1.40 YES							
L0003374	0	0.11830E-05	477944.7	3748955.7	453.0	0.00	3.95
1.40 YES							
L0003375	0	0.11830E-05	477953.2	3748955.7	453.0	0.00	3.95
1.40 YES							
L0003376	0	0.11830E-05	477961.7	3748955.8	453.0	0.00	3.95
1.40 YES							
L0003377	0	0.11830E-05	477970.2	3748955.8	453.0	0.00	3.95
1.40 YES							
L0003378	0	0.11830E-05	477978.7	3748955.9	453.0	0.00	3.95
1.40 YES							
L0003379	0	0.11830E-05	477987.2	3748955.9	453.0	0.00	3.95
1.40 YES							
L0003380	0	0.11830E-05	477995.7	3748956.0	453.0	0.00	3.95
1.40 YES							
L0003381	0	0.11830E-05	478004.2	3748956.1	453.0	0.00	3.95
1.40 YES							
L0003382	0	0.11830E-05	478012.7	3748956.1	453.0	0.00	3.95
1.40 YES							
L0003383	0	0.11830E-05	478021.2	3748956.2	453.0	0.00	3.95
1.40 YES							
L0003384	0	0.11830E-05	478029.7	3748956.2	453.0	0.00	3.95
1.40 YES							
L0003385	0	0.11830E-05	478038.2	3748956.3	453.0	0.00	3.95
1.40 YES							
L0003386	0	0.11830E-05	478046.7	3748956.3	453.0	0.00	3.95
1.40 YES							
L0003387	0	0.11830E-05	478055.2	3748956.4	453.0	0.00	3.95
1.40 YES							
L0003388	0	0.11830E-05	478063.7	3748956.4	453.0	0.00	3.95
1.40 YES							
L0003389	0	0.11830E-05	478072.2	3748956.5	453.0	0.00	3.95
1.40 YES							

AERMOD LSTs Operational Output

L0003390	0	0.11830E-05	478080.7	3748956.5	453.0	0.00	3.95
1.40	YES						
L0003391	0	0.11830E-05	478089.2	3748956.6	453.0	0.00	3.95
1.40	YES						
L0003392	0	0.11830E-05	478097.7	3748956.6	453.0	0.00	3.95
1.40	YES						
L0003393	0	0.11830E-05	478106.2	3748956.7	453.0	0.00	3.95
1.40	YES						

♀ *** AERMOD - VERSION 15181 *** C:\Lakes\AERMOD
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 **MODELOPTs: RegDFAULT CONC ELEV FLGPOL URBAN

*** VOLUME SOURCE DATA ***

INIT.	URBAN	NUMBER	EMISSION	RATE		BASE	RELEASE	INIT.
SOURCE		EMISSION	RATE					
SZ	SOURCE	PART.	(GRAMS/SEC)	X	Y	ELEV.	HEIGHT	SY
ID		SCALAR	VARY					
(METERS)		CATS.	BY	(METERS)	(METERS)	(METERS)	(METERS)	(METERS)

L0003394	0	0.11830E-05	478114.7	3748956.7	453.0	0.00	3.95
1.40	YES						
L0003395	0	0.11830E-05	478123.2	3748956.8	453.0	0.00	3.95
1.40	YES						
L0003396	0	0.11830E-05	478131.7	3748956.8	453.0	0.00	3.95
1.40	YES						
L0003397	0	0.11830E-05	478140.2	3748956.9	453.0	0.00	3.95
1.40	YES						
L0003398	0	0.11830E-05	478148.7	3748956.9	453.0	0.00	3.95
1.40	YES						
L0003399	0	0.11830E-05	478157.2	3748957.0	453.0	0.00	3.95
1.40	YES						
L0003400	0	0.11830E-05	478165.7	3748957.0	453.0	0.00	3.95
1.40	YES						
L0003401	0	0.11830E-05	478174.2	3748957.1	453.0	0.00	3.95
1.40	YES						
L0003402	0	0.11830E-05	478182.7	3748957.1	453.0	0.00	3.95
1.40	YES						
L0003403	0	0.11830E-05	478191.2	3748957.2	453.0	0.00	3.95
1.40	YES						

AERMOD LSTs Operational Output							
L0003404	0	0.11830E-05	478199.7	3748957.2	453.0	0.00	3.95
1.40 YES							
L0003405	0	0.11830E-05	478208.2	3748957.3	453.0	0.00	3.95
1.40 YES							
L0003406	0	0.11830E-05	478216.7	3748957.3	453.0	0.00	3.95
1.40 YES							
L0003407	0	0.11830E-05	478225.0	3748957.2	453.0	0.00	3.95
1.40 YES							
L0003408	0	0.11830E-05	478225.0	3748948.7	453.0	0.00	3.95
1.40 YES							
L0003409	0	0.11830E-05	478225.0	3748940.2	453.0	0.00	3.95
1.40 YES							
L0003410	0	0.11830E-05	478225.0	3748931.7	453.0	0.00	3.95
1.40 YES							
L0003411	0	0.11830E-05	478225.0	3748923.2	453.0	0.00	3.95
1.40 YES							
L0003412	0	0.44710E-06	477922.3	3748920.1	453.0	0.00	3.95
1.40 YES							
L0003413	0	0.44710E-06	477921.9	3748928.6	453.0	0.00	3.95
1.40 YES							
L0003414	0	0.44710E-06	477921.5	3748937.1	453.0	0.00	3.95
1.40 YES							
L0003415	0	0.44710E-06	477921.1	3748945.6	453.0	0.00	3.95
1.40 YES							
L0003416	0	0.44710E-06	477920.7	3748954.1	453.0	0.00	3.95
1.40 YES							
L0003417	0	0.44710E-06	477927.7	3748955.6	453.0	0.00	3.95
1.40 YES							
L0003418	0	0.44710E-06	477936.2	3748955.6	453.0	0.00	3.95
1.40 YES							
L0003419	0	0.44710E-06	477944.7	3748955.7	453.0	0.00	3.95
1.40 YES							
L0003420	0	0.44710E-06	477953.2	3748955.7	453.0	0.00	3.95
1.40 YES							
L0003421	0	0.44710E-06	477961.7	3748955.8	453.0	0.00	3.95
1.40 YES							
L0003422	0	0.44710E-06	477970.2	3748955.8	453.0	0.00	3.95
1.40 YES							
L0003423	0	0.44710E-06	477978.7	3748955.9	453.0	0.00	3.95
1.40 YES							
L0003424	0	0.44710E-06	477987.2	3748955.9	453.0	0.00	3.95
1.40 YES							
L0003425	0	0.44710E-06	477995.7	3748956.0	453.0	0.00	3.95
1.40 YES							
L0003426	0	0.44710E-06	478004.2	3748956.1	453.0	0.00	3.95
1.40 YES							
L0003427	0	0.44710E-06	478012.7	3748956.1	453.0	0.00	3.95
1.40 YES							

AERMOD LSTs Operational Output

L0003428	0	0.44710E-06	478021.2	3748956.2	453.0	0.00	3.95
1.40 YES							
L0003429	0	0.44710E-06	478029.7	3748956.2	453.0	0.00	3.95
1.40 YES							
L0003430	0	0.44710E-06	478038.2	3748956.3	453.0	0.00	3.95
1.40 YES							
L0003431	0	0.44710E-06	478046.7	3748956.3	453.0	0.00	3.95
1.40 YES							
L0003432	0	0.44710E-06	478055.2	3748956.4	453.0	0.00	3.95
1.40 YES							
L0003433	0	0.44710E-06	478063.7	3748956.4	453.0	0.00	3.95
1.40 YES							

♀ *** AERMOD - VERSION 15181 *** *** C:\Lakes\AERMOD
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***MODELOPTs: RegDFAULT CONC PAGE 15
 ELEV FLGPOL URBAN

*** VOLUME SOURCE DATA ***

INIT.	URBAN	NUMBER EMISSION RATE	BASE	RELEASE	INIT.
SOURCE	EMISSION RATE				
SZ SOURCE	PART. (GRAMS/SEC)	X	Y	ELEV.	HEIGHT
ID	SCALAR VARY	(METERS)	(METERS)	(METERS)	(METERS)
(METERS)	CATS.				(METERS)
	BY				

L0003434	0	0.44710E-06	478072.2	3748956.5	453.0	0.00	3.95
1.40 YES							
L0003435	0	0.44710E-06	478080.7	3748956.5	453.0	0.00	3.95
1.40 YES							
L0003436	0	0.44710E-06	478089.2	3748956.6	453.0	0.00	3.95
1.40 YES							
L0003437	0	0.44710E-06	478097.7	3748956.6	453.0	0.00	3.95
1.40 YES							
L0003438	0	0.44710E-06	478106.2	3748956.7	453.0	0.00	3.95
1.40 YES							
L0003439	0	0.44710E-06	478114.7	3748956.7	453.0	0.00	3.95
1.40 YES							
L0003440	0	0.44710E-06	478123.2	3748956.8	453.0	0.00	3.95
1.40 YES							
L0003441	0	0.44710E-06	478131.7	3748956.8	453.0	0.00	3.95
1.40 YES							

AERMOD LSTs Operational Output							
L0003442	0	0.44710E-06	478140.2	3748956.9	453.0	0.00	3.95
1.40 YES							
L0003443	0	0.44710E-06	478148.7	3748956.9	453.0	0.00	3.95
1.40 YES							
L0003444	0	0.44710E-06	478157.2	3748957.0	453.0	0.00	3.95
1.40 YES							
L0003445	0	0.44710E-06	478165.7	3748957.0	453.0	0.00	3.95
1.40 YES							
L0003446	0	0.44710E-06	478174.2	3748957.1	453.0	0.00	3.95
1.40 YES							
L0003447	0	0.44710E-06	478182.7	3748957.1	453.0	0.00	3.95
1.40 YES							
L0003448	0	0.44710E-06	478191.2	3748957.2	453.0	0.00	3.95
1.40 YES							
L0003449	0	0.44710E-06	478199.7	3748957.2	453.0	0.00	3.95
1.40 YES							
L0003450	0	0.44710E-06	478208.2	3748957.3	453.0	0.00	3.95
1.40 YES							
L0003451	0	0.44710E-06	478216.7	3748957.3	453.0	0.00	3.95
1.40 YES							
L0003452	0	0.44710E-06	478225.0	3748957.2	453.0	0.00	3.95
1.40 YES							
L0003453	0	0.44710E-06	478225.0	3748948.7	453.0	0.00	3.95
1.40 YES							
L0003454	0	0.44710E-06	478225.0	3748940.2	453.0	0.00	3.95
1.40 YES							
L0003455	0	0.44710E-06	478225.0	3748931.7	453.0	0.00	3.95
1.40 YES							
L0003456	0	0.44710E-06	478225.0	3748923.2	453.0	0.00	3.95
1.40 YES							
L0003457	0	0.33270E-05	478177.4	3748323.4	450.0	0.00	3.95
1.40 YES							
L0003458	0	0.33270E-05	478185.9	3748323.1	450.0	0.00	3.95
1.40 YES							
L0003459	0	0.33270E-05	478194.4	3748322.8	450.0	0.00	3.95
1.40 YES							
L0003460	0	0.33270E-05	478202.9	3748322.5	450.0	0.00	3.95
1.40 YES							
L0003461	0	0.33270E-05	478211.4	3748322.2	450.0	0.00	3.95
1.40 YES							
L0003462	0	0.33270E-05	478219.9	3748321.9	450.0	0.00	3.95
1.40 YES							
L0003463	0	0.33270E-05	478228.4	3748321.6	450.0	0.00	3.95
1.40 YES							
L0003464	0	0.33270E-05	478236.6	3748321.6	450.0	0.00	3.95
1.40 YES							
L0003465	0	0.33270E-05	478236.2	3748330.0	451.0	0.00	3.95
1.40 YES							

AERMOD LSTs Operational Output

L0003466	0	0.33270E-05	478235.7	3748338.5	451.0	0.00	3.95
1.40 YES							
L0003467	0	0.33270E-05	478235.3	3748347.0	451.0	0.00	3.95
1.40 YES							
L0003468	0	0.33270E-05	478234.8	3748355.5	451.0	0.00	3.95
1.40 YES							
L0003469	0	0.33270E-05	478234.4	3748364.0	451.0	0.00	3.95
1.40 YES							
L0003470	0	0.33270E-05	478233.9	3748372.5	451.0	0.00	3.95
1.40 YES							
L0003471	0	0.33270E-05	478233.5	3748381.0	451.0	0.00	3.95
1.40 YES							
L0003472	0	0.33270E-05	478233.0	3748389.5	451.0	0.00	3.95
1.40 YES							
L0003473	0	0.45940E-06	478177.4	3748323.4	450.0	0.00	3.95
1.40 YES							

♀ *** AERMOD - VERSION 15181 *** *** C:\Lakes\AERMOD
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**MODELOPTs: RegDFAULT CONC ELEV FLGPOL URBAN

*** VOLUME SOURCE DATA ***

INIT.	URBAN	NUMBER EMISSION RATE	BASE	RELEASE	INIT.
SOURCE	SCALAR VARY	PART. (GRAMS/SEC)	ELEV.	HEIGHT	SY
SZ	ID	CATS.	(METERS)	(METERS)	(METERS)
(METERS)	BY				

L0003474	0	0.45940E-06	478185.9	3748323.1	450.0	0.00	3.95
1.40 YES							
L0003475	0	0.45940E-06	478194.4	3748322.8	450.0	0.00	3.95
1.40 YES							
L0003476	0	0.45940E-06	478202.9	3748322.5	450.0	0.00	3.95
1.40 YES							
L0003477	0	0.45940E-06	478211.4	3748322.2	450.0	0.00	3.95
1.40 YES							
L0003478	0	0.45940E-06	478219.9	3748321.9	450.0	0.00	3.95
1.40 YES							
L0003479	0	0.45940E-06	478228.4	3748321.6	450.0	0.00	3.95
1.40 YES							

AERMOD LSTs Operational Output							
L0003480	0	0.45940E-06	478236.6	3748321.6	450.0	0.00	3.95
1.40 YES							
L0003481	0	0.45940E-06	478236.2	3748330.0	451.0	0.00	3.95
1.40 YES							
L0003482	0	0.45940E-06	478235.7	3748338.5	451.0	0.00	3.95
1.40 YES							
L0003483	0	0.45940E-06	478235.3	3748347.0	451.0	0.00	3.95
1.40 YES							
L0003484	0	0.45940E-06	478234.8	3748355.5	451.0	0.00	3.95
1.40 YES							
L0003485	0	0.45940E-06	478234.4	3748364.0	451.0	0.00	3.95
1.40 YES							
L0003486	0	0.45940E-06	478233.9	3748372.5	451.0	0.00	3.95
1.40 YES							
L0003487	0	0.45940E-06	478233.5	3748381.0	451.0	0.00	3.95
1.40 YES							
L0003488	0	0.45940E-06	478233.0	3748389.5	451.0	0.00	3.95
1.40 YES							
L0003489	0	0.16390E-05	477744.0	3748980.7	454.0	0.00	3.95
1.40 YES							
L0003490	0	0.16390E-05	477752.5	3748980.8	454.0	0.00	3.95
1.40 YES							
L0003491	0	0.16390E-05	477761.0	3748980.8	454.0	0.00	3.95
1.40 YES							
L0003492	0	0.16390E-05	477769.5	3748980.9	454.0	0.00	3.95
1.40 YES							
L0003493	0	0.16390E-05	477777.9	3748981.0	454.0	0.00	3.95
1.40 YES							
L0003494	0	0.16390E-05	477786.4	3748981.0	454.0	0.00	3.95
1.40 YES							
L0003495	0	0.16390E-05	477794.9	3748981.1	454.0	0.00	3.95
1.40 YES							
L0003496	0	0.16390E-05	477803.4	3748981.2	454.0	0.00	3.95
1.40 YES							
L0003497	0	0.16390E-05	477811.9	3748981.3	454.0	0.00	3.95
1.40 YES							
L0003498	0	0.16390E-05	477820.4	3748981.3	454.0	0.00	3.95
1.40 YES							
L0003499	0	0.16390E-05	477828.9	3748981.4	453.9	0.00	3.95
1.40 YES							
L0003500	0	0.16390E-05	477837.4	3748981.5	453.7	0.00	3.95
1.40 YES							
L0003501	0	0.16390E-05	477845.9	3748981.6	453.6	0.00	3.95
1.40 YES							
L0003502	0	0.16390E-05	477854.0	3748981.2	453.5	0.00	3.95
1.40 YES							
L0003503	0	0.16390E-05	477854.0	3748972.7	453.2	0.00	3.95
1.40 YES							

AERMOD LSTs Operational Output

L0003504	0	0.16390E-05	477853.9	3748964.2	453.0	0.00	3.95
1.40 YES							
L0003505	0	0.16390E-05	477853.8	3748955.7	453.0	0.00	3.95
1.40 YES							
L0003506	0	0.16390E-05	477853.7	3748947.2	453.0	0.00	3.95
1.40 YES							
L0003507	0	0.16390E-05	477853.6	3748938.7	453.0	0.00	3.95
1.40 YES							
L0003508	0	0.16390E-05	477853.5	3748930.2	453.0	0.00	3.95
1.40 YES							
L0003509	0	0.16390E-05	477853.4	3748921.7	453.0	0.00	3.95
1.40 YES							
L0003510	0	0.16390E-05	477853.4	3748913.2	453.0	0.00	3.95
1.40 YES							
L0003511	0	0.16390E-05	477853.3	3748904.7	453.0	0.00	3.95
1.40 YES							
L0003512	0	0.16390E-05	477853.2	3748896.2	453.0	0.00	3.95
1.40 YES							
L0003513	0	0.16390E-05	477853.1	3748887.7	453.0	0.00	3.95
1.40 YES							

♀ *** AERMOD - VERSION 15181 *** C:\Lakes\AERMOD
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 *** AERMET - VERSION 14134 ***
 *** 14:38:23

**MODELOPTs: RegDFAULT CONC PAGE 17
 ELEV FLGPOL URBAN

*** VOLUME SOURCE DATA ***

INIT.	URBAN	NUMBER EMISSION RATE	BASE	RELEASE	INIT.
SOURCE	EMISSION RATE				
SZ	PART. (GRAMS/SEC)	X	Y	ELEV.	HEIGHT
ID	SCALAR VARY	(METERS)	(METERS)	(METERS)	(METERS)
(METERS)	CATS.				
	BY				
- - - - -					
- - - - -					

L0003514	0	0.16390E-05	477853.0	3748879.2	453.0	0.00	3.95
1.40 YES							
L0003515	0	0.16390E-05	477852.9	3748870.7	453.0	0.00	3.95
1.40 YES							
L0003516	0	0.16390E-05	477852.8	3748862.2	453.0	0.00	3.95
1.40 YES							
L0003517	0	0.16390E-05	477852.8	3748853.7	453.0	0.00	3.95
1.40 YES							

AERMOD LSTs Operational Output							
L0003518	0	0.16390E-05	477852.7	3748845.2	453.0	0.00	3.95
1.40 YES							
L0003519	0	0.16390E-05	477852.6	3748836.7	453.0	0.00	3.95
1.40 YES							
L0003520	0	0.42450E-06	477744.0	3748980.7	454.0	0.00	3.95
1.40 YES							
L0003521	0	0.42450E-06	477752.5	3748980.8	454.0	0.00	3.95
1.40 YES							
L0003522	0	0.42450E-06	477761.0	3748980.8	454.0	0.00	3.95
1.40 YES							
L0003523	0	0.42450E-06	477769.5	3748980.9	454.0	0.00	3.95
1.40 YES							
L0003524	0	0.42450E-06	477777.9	3748981.0	454.0	0.00	3.95
1.40 YES							
L0003525	0	0.42450E-06	477786.4	3748981.0	454.0	0.00	3.95
1.40 YES							
L0003526	0	0.42450E-06	477794.9	3748981.1	454.0	0.00	3.95
1.40 YES							
L0003527	0	0.42450E-06	477803.4	3748981.2	454.0	0.00	3.95
1.40 YES							
L0003528	0	0.42450E-06	477811.9	3748981.3	454.0	0.00	3.95
1.40 YES							
L0003529	0	0.42450E-06	477820.4	3748981.3	454.0	0.00	3.95
1.40 YES							
L0003530	0	0.42450E-06	477828.9	3748981.4	453.9	0.00	3.95
1.40 YES							
L0003531	0	0.42450E-06	477837.4	3748981.5	453.7	0.00	3.95
1.40 YES							
L0003532	0	0.42450E-06	477845.9	3748981.6	453.6	0.00	3.95
1.40 YES							
L0003533	0	0.42450E-06	477854.0	3748981.2	453.5	0.00	3.95
1.40 YES							
L0003534	0	0.42450E-06	477854.0	3748972.7	453.2	0.00	3.95
1.40 YES							
L0003535	0	0.42450E-06	477853.9	3748964.2	453.0	0.00	3.95
1.40 YES							
L0003536	0	0.42450E-06	477853.8	3748955.7	453.0	0.00	3.95
1.40 YES							
L0003537	0	0.42450E-06	477853.7	3748947.2	453.0	0.00	3.95
1.40 YES							
L0003538	0	0.42450E-06	477853.6	3748938.7	453.0	0.00	3.95
1.40 YES							
L0003539	0	0.42450E-06	477853.5	3748930.2	453.0	0.00	3.95
1.40 YES							
L0003540	0	0.42450E-06	477853.4	3748921.7	453.0	0.00	3.95
1.40 YES							
L0003541	0	0.42450E-06	477853.4	3748913.2	453.0	0.00	3.95
1.40 YES							

AERMOD LSTs Operational Output

L0003542	0	0.42450E-06	477853.3	3748904.7	453.0	0.00	3.95
1.40 YES							
L0003543	0	0.42450E-06	477853.2	3748896.2	453.0	0.00	3.95
1.40 YES							
L0003544	0	0.42450E-06	477853.1	3748887.7	453.0	0.00	3.95
1.40 YES							
L0003545	0	0.42450E-06	477853.0	3748879.2	453.0	0.00	3.95
1.40 YES							
L0003546	0	0.42450E-06	477852.9	3748870.7	453.0	0.00	3.95
1.40 YES							
L0003547	0	0.42450E-06	477852.8	3748862.2	453.0	0.00	3.95
1.40 YES							
L0003548	0	0.42450E-06	477852.8	3748853.7	453.0	0.00	3.95
1.40 YES							
L0003549	0	0.42450E-06	477852.7	3748845.2	453.0	0.00	3.95
1.40 YES							
L0003550	0	0.42450E-06	477852.6	3748836.7	453.0	0.00	3.95
1.40 YES							
L0003551	0	0.50450E-05	477934.4	3748197.8	450.0	0.00	3.95
1.40 YES							
L0003552	0	0.50450E-05	477942.9	3748197.7	450.0	0.00	3.95
1.40 YES							
L0003553	0	0.50450E-05	477951.4	3748197.6	450.0	0.00	3.95
1.40 YES							

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**MODELOPTs: RegDFAULT CONC PAGE 18
 ELEV FLGPOL URBAN

*** VOLUME SOURCE DATA ***

INIT.	URBAN	NUMBER	EMISSION	RATE		BASE	RELEASE	INIT.
INIT.	SOURCE	EMISSION	RATE			ELEV.	HEIGHT	SY
SZ	SOURCE	PART.	(GRAMS/SEC)	X	Y	(METERS)	(METERS)	(METERS)
ID		SCALAR	VARY					
(METERS)		CATS.	BY	(METERS)	(METERS)	(METERS)	(METERS)	(METERS)

L0003554	0	0.50450E-05	477959.9	3748197.6	450.0	0.00	3.95
1.40 YES							
L0003555	0	0.50450E-05	477968.4	3748197.5	450.0	0.00	3.95
1.40 YES							

AERMOD LSTs Operational Output							
L0003556	0	0.50450E-05	477976.9	3748197.4	450.0	0.00	3.95
1.40 YES							
L0003557	0	0.50450E-05	477985.4	3748197.4	450.0	0.00	3.95
1.40 YES							
L0003558	0	0.50450E-05	477993.9	3748197.3	450.0	0.00	3.95
1.40 YES							
L0003559	0	0.32250E-06	477934.4	3748197.8	450.0	0.00	3.95
1.40 YES							
L0003560	0	0.32250E-06	477942.9	3748197.7	450.0	0.00	3.95
1.40 YES							
L0003561	0	0.32250E-06	477951.4	3748197.6	450.0	0.00	3.95
1.40 YES							
L0003562	0	0.32250E-06	477959.9	3748197.6	450.0	0.00	3.95
1.40 YES							
L0003563	0	0.32250E-06	477968.4	3748197.5	450.0	0.00	3.95
1.40 YES							
L0003564	0	0.32250E-06	477976.9	3748197.4	450.0	0.00	3.95
1.40 YES							
L0003565	0	0.32250E-06	477985.4	3748197.4	450.0	0.00	3.95
1.40 YES							
L0003566	0	0.32250E-06	477993.9	3748197.3	450.0	0.00	3.95
1.40 YES							
L0003567	0	0.57360E-05	477499.5	3748976.4	454.2	0.00	3.95
1.40 YES							
L0003568	0	0.57360E-05	477508.0	3748976.2	454.1	0.00	3.95
1.40 YES							
L0003569	0	0.57360E-05	477516.4	3748976.0	454.0	0.00	3.95
1.40 YES							
L0003570	0	0.57360E-05	477524.9	3748975.8	454.0	0.00	3.95
1.40 YES							
L0003571	0	0.57360E-05	477533.4	3748975.6	454.0	0.00	3.95
1.40 YES							
L0003572	0	0.57360E-05	477541.9	3748975.4	454.0	0.00	3.95
1.40 YES							
L0003573	0	0.57360E-05	477550.4	3748975.2	454.0	0.00	3.95
1.40 YES							
L0003574	0	0.57360E-05	477558.9	3748975.0	454.0	0.00	3.95
1.40 YES							
L0003575	0	0.57360E-05	477567.4	3748974.8	454.0	0.00	3.95
1.40 YES							
L0003576	0	0.57360E-05	477575.9	3748974.6	454.0	0.00	3.95
1.40 YES							
L0003577	0	0.57360E-05	477584.4	3748974.4	454.0	0.00	3.95
1.40 YES							
L0003578	0	0.57360E-05	477592.9	3748974.2	454.0	0.00	3.95
1.40 YES							
L0003579	0	0.60500E-06	477499.5	3748976.4	454.2	0.00	3.95
1.40 YES							

AERMOD LSTs Operational Output

L0003580	0	0.60500E-06	477508.0	3748976.2	454.1	0.00	3.95
1.40 YES							
L0003581	0	0.60500E-06	477516.4	3748976.0	454.0	0.00	3.95
1.40 YES							
L0003582	0	0.60500E-06	477524.9	3748975.8	454.0	0.00	3.95
1.40 YES							
L0003583	0	0.60500E-06	477533.4	3748975.6	454.0	0.00	3.95
1.40 YES							
L0003584	0	0.60500E-06	477541.9	3748975.4	454.0	0.00	3.95
1.40 YES							
L0003585	0	0.60500E-06	477550.4	3748975.2	454.0	0.00	3.95
1.40 YES							
L0003586	0	0.60500E-06	477558.9	3748975.0	454.0	0.00	3.95
1.40 YES							
L0003587	0	0.60500E-06	477567.4	3748974.8	454.0	0.00	3.95
1.40 YES							
L0003588	0	0.60500E-06	477575.9	3748974.6	454.0	0.00	3.95
1.40 YES							
L0003589	0	0.60500E-06	477584.4	3748974.4	454.0	0.00	3.95
1.40 YES							
L0003590	0	0.60500E-06	477592.9	3748974.2	454.0	0.00	3.95
1.40 YES							

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**MODELOPTs: RegDFAULT CONC ELEV FLGPOL URBAN

*** AREA SOURCE DATA ***

Y-DIM	ORIENT.	NUMBER	EMISSION	RATE	COORD (SW CORNER)	BASE	RELEASE	X-DIM
SOURCE	PART.	INIT.	URBAN	EMISSION	RATE			
OF AREA	OF AREA	SZ	SOURCE	SCALAR	VARY	ELEV.	HEIGHT	OF AREA
ID	CATS.	/METER**2)	(METERS)	(METERS)	(METERS)	(METERS)	(METERS)	(METERS)
(METERS)	(DEG.)	(METERS)	BY					

AREA1	0	0.23510E-07	477895.8	3748485.6	452.0	5.00	75.04
426.52	0.00	0.00 YES					
AREA2	0	0.24890E-07	478189.3	3748386.9	451.0	5.00	57.92
521.96	0.00	0.00 YES					
AREA3	0	0.87222E-07	478027.4	3748303.6	450.0	5.00	143.40
60.16	0.00	0.00 YES					

AERMOD LSTs Operational Output

AREA4	0	0.27037E-07	477696.2	3748836.0	454.0	5.00	72.15
152.50	0.00	0.00	YES				
AREA5	0	0.56522E-07	477967.7	3748183.6	450.0	5.00	61.27
85.90	0.00	0.00	YES				
AREA6	0	0.25323E-07	477599.3	3748788.1	454.0	5.00	65.18
180.23	0.00	0.00	YES				

♀ *** AERMOD - VERSION 15181 *** *** C:\Lakes\AERMOD
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 **MODELOPTs: RegDFAULT CONC ELEV FLGPOL URBAN

*** SOURCE IDs DEFINING SOURCE GROUPS

SRCGROUP ID	SOURCE IDs
-----	-----
ALL	L0002954 , L0002955 , L0002956 , L0002957 , L0002958 ,
L0002959	, L0002960 , L0002961 ,
	L0002962 , L0002963 , L0002964 , L0002965 , L0002966 ,
L0002967	, L0002968 , L0002969 ,
	L0002970 , L0002971 , L0002972 , L0002973 , L0002974 ,
L0002975	, L0002976 , L0002977 ,
	L0002978 , L0002979 , L0002980 , L0002981 , L0002982 ,
L0002983	, L0002984 , L0002985 ,
	L0002986 , L0002987 , L0002988 , L0002989 , L0002990 ,
L0002991	, L0002992 , L0002993 ,
	L0002994 , L0002995 , L0002996 , L0002997 , L0002998 ,
L0002999	, L0003000 , L0003001 ,
	L0003002 , L0003003 , L0003004 , L0003005 , L0003006 ,
L0003007	, L0003008 , L0003009 ,
	L0003010 , L0003011 , L0003012 , L0003013 , L0003014 ,
L0003015	, L0003016 , L0003017 ,
	L0003018 , L0003019 , L0003020 , L0003021 , L0003022 ,
L0003023	, L0003024 , L0003025 ,

AERMOD LSTs Operational Output

L0003031	L0003026 , L0003032	, L0003027 , L0003033	, L0003028 ,	, L0003029	, L0003030	,
L0003039	L0003034 , L0003040	, L0003035 , L0003041	, L0003036 ,	, L0003037	, L0003038	,
L0003047	L0003042 , L0003048	, L0003043 , L0003049	, L0003044 ,	, L0003045	, L0003046	,
L0003055	L0003050 , L0003056	, L0003051 , L0003057	, L0003052 ,	, L0003053	, L0003054	,
L0003063	L0003058 , L0003064	, L0003059 , L0003065	, L0003060 ,	, L0003061	, L0003062	,
L0003071	L0003066 , L0003072	, L0003067 , L0003073	, L0003068 ,	, L0003069	, L0003070	,
L0003079	L0003074 , L0003080	, L0003075 , L0003081	, L0003076 ,	, L0003077	, L0003078	,
L0003087	L0003082 , L0003088	, L0003083 , L0003089	, L0003084 ,	, L0003085	, L0003086	,
L0003095	L0003090 , L0003096	, L0003091 , L0003097	, L0003092 ,	, L0003093	, L0003094	,
L0003103	L0003098 , L0003104	, L0003099 , L0003105	, L0003100 ,	, L0003101	, L0003102	,
L0003111	L0003106 , L0003112	, L0003107 , L0003113	, L0003108 ,	, L0003109	, L0003110	,

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 **MODELOPTs: RegDFAULT CONC ELEV FLGPOL URBAN

*** SOURCE IDs DEFINING SOURCE GROUPS

SRCGROUP ID

SOURCE IDs

AERMOD LSTs Operational Output

L0003119	L0003114 , L0003120	, L0003115 , L0003121	, L0003116 ,	, L0003117	, L0003118	,
L0003127	L0003122 , L0003128	, L0003123 , L0003129	, L0003124 ,	, L0003125	, L0003126	,
L0003135	L0003130 , L0003136	, L0003131 , L0003137	, L0003132 ,	, L0003133	, L0003134	,
L0003143	L0003138 , L0003144	, L0003139 , L0003145	, L0003140 ,	, L0003141	, L0003142	,
L0003151	L0003146 , L0003152	, L0003147 , L0003153	, L0003148 ,	, L0003149	, L0003150	,
L0003159	L0003154 , L0003160	, L0003155 , L0003161	, L0003156 ,	, L0003157	, L0003158	,
L0003167	L0003162 , L0003168	, L0003163 , L0003169	, L0003164 ,	, L0003165	, L0003166	,
L0003175	L0003170 , L0003176	, L0003171 , L0003177	, L0003172 ,	, L0003173	, L0003174	,
L0003183	L0003178 , L0003184	, L0003179 , L0003185	, L0003180 ,	, L0003181	, L0003182	,
L0003191	L0003186 , L0003192	, L0003187 , L0003193	, L0003188 ,	, L0003189	, L0003190	,
L0003199	L0003194 , L0003200	, L0003195 , L0003201	, L0003196 ,	, L0003197	, L0003198	,
L0003207	L0003202 , L0003208	, L0003203 , L0003209	, L0003204 ,	, L0003205	, L0003206	,
L0003215	L0003210 , L0003216	, L0003211 , L0003217	, L0003212 ,	, L0003213	, L0003214	,
L0003223	L0003218 , L0003224	, L0003219 , L0003225	, L0003220 ,	, L0003221	, L0003222	,
L0003231	L0003226 , L0003232	, L0003227 , L0003233	, L0003228 ,	, L0003229	, L0003230	,
L0003239	L0003234 , L0003240	, L0003235 , L0003241	, L0003236 ,	, L0003237	, L0003238	,

AERMOD LSTs Operational Output

L0003247	L0003242 , L0003248	, L0003243 , L0003249	, L0003244 ,	, L0003245	, L0003246	,
L0003255	L0003250 , L0003256	, L0003251 , L0003257	, L0003252 ,	, L0003253	, L0003254	,
L0003263	L0003258 , L0003264	, L0003259 , L0003265	, L0003260 ,	, L0003261	, L0003262	,
L0003271	L0003266 , L0003272	, L0003267 , L0003273	, L0003268 ,	, L0003269	, L0003270	,
♀ *** AERMOD - VERSION 15181 *** C:\Lakes\AERMOD View\MVL\OperationalLSTs\PM25\PM25.isc *** 11/03/15 *** AERMET - VERSION 14134 *** *** 14:38:23						

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**MODELOPTs:  RegDFAULT  CONC          PAGE  22
               ELEV          FLGPOL      URBAN

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*** SOURCE IDS DEFINING SOURCE GROUPS

SRCGROUP ID

SOURCE IDs

L0003279	L0003274 , L0003280	, L0003275 , L0003281	, L0003276 ,	, L0003277	, L0003278	,
L0003287	L0003282 , L0003288	, L0003283 , L0003289	, L0003284 ,	, L0003285	, L0003286	,
L0003295	L0003290 , L0003296	, L0003291 , L0003297	, L0003292 ,	, L0003293	, L0003294	,
L0003303	L0003298 , L0003304	, L0003299 , L0003305	, L0003300 ,	, L0003301	, L0003302	,
L0003311	L0003306 , L0003312	, L0003307 , L0003313	, L0003308 ,	, L0003309	, L0003310	,
L0003319	L0003314 , L0003320	, L0003315 , L0003321	, L0003316 ,	, L0003317	, L0003318	,
L0003327	L0003322 , L0003328	, L0003323 , L0003329	, L0003324 ,	, L0003325	, L0003326	,

AERMOD LSTs Operational Output

L0003335	L0003330 , L0003336	, L0003331 , L0003337	, L0003332 ,	, L0003333	, L0003334	,
L0003343	L0003338 , L0003344	, L0003339 , L0003345	, L0003340 ,	, L0003341	, L0003342	,
L0003351	L0003346 , L0003352	, L0003347 , L0003353	, L0003348 ,	, L0003349	, L0003350	,
L0003359	L0003354 , L0003360	, L0003355 , L0003361	, L0003356 ,	, L0003357	, L0003358	,
AREA1	L0003362 , AREA2	, L0003363 , AREA3	, L0003364 ,	, L0003365	, L0003366	,
STCK3	AREA4 , STCK4	, AREA5 , STCK5	, AREA6 ,	, STCK1	, STCK2	,
STCK11	STCK6 , STCK12	, STCK7 , STCK13	, STCK8 ,	, STCK9	, STCK10	,
L0003372	L0003367 , L0003373	, L0003368 , L0003374	, L0003369 ,	, L0003370	, L0003371	,
L0003380	L0003375 , L0003381	, L0003376 , L0003382	, L0003377 ,	, L0003378	, L0003379	,
L0003388	L0003383 , L0003389	, L0003384 , L0003390	, L0003385 ,	, L0003386	, L0003387	,
L0003396	L0003391 , L0003397	, L0003392 , L0003398	, L0003393 ,	, L0003394	, L0003395	,
L0003404	L0003399 , L0003405	, L0003400 , L0003406	, L0003401 ,	, L0003402	, L0003403	,
L0003412	L0003407 , L0003413	, L0003408 , L0003414	, L0003409 ,	, L0003410	, L0003411	,

♀ *** AERMOD - VERSION 15181 *** C:\Lakes\AERMOD
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**MODELOPTs: RegDFAULT CONC ELEV FLGPOL URBAN

AERMOD LSTs Operational Output

*** SOURCE IDs DEFINING SOURCE GROUPS

SRCGROUP ID	SOURCE IDs					
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L0003420	L0003415	, L0003416	, L0003417	, L0003418	, L0003419	,
	, L0003421	, L0003422	,			
L0003428	L0003423	, L0003424	, L0003425	, L0003426	, L0003427	,
	, L0003429	, L0003430	,			
L0003436	L0003431	, L0003432	, L0003433	, L0003434	, L0003435	,
	, L0003437	, L0003438	,			
L0003444	L0003439	, L0003440	, L0003441	, L0003442	, L0003443	,
	, L0003445	, L0003446	,			
L0003452	L0003447	, L0003448	, L0003449	, L0003450	, L0003451	,
	, L0003453	, L0003454	,			
L0003460	L0003455	, L0003456	, L0003457	, L0003458	, L0003459	,
	, L0003461	, L0003462	,			
L0003468	L0003463	, L0003464	, L0003465	, L0003466	, L0003467	,
	, L0003469	, L0003470	,			
L0003476	L0003471	, L0003472	, L0003473	, L0003474	, L0003475	,
	, L0003477	, L0003478	,			
L0003484	L0003479	, L0003480	, L0003481	, L0003482	, L0003483	,
	, L0003485	, L0003486	,			
L0003492	L0003487	, L0003488	, L0003489	, L0003490	, L0003491	,
	, L0003493	, L0003494	,			
L0003500	L0003495	, L0003496	, L0003497	, L0003498	, L0003499	,
	, L0003501	, L0003502	,			
L0003508	L0003503	, L0003504	, L0003505	, L0003506	, L0003507	,
	, L0003509	, L0003510	,			
L0003516	L0003511	, L0003512	, L0003513	, L0003514	, L0003515	,
	, L0003517	, L0003518	,			
L0003524	L0003519	, L0003520	, L0003521	, L0003522	, L0003523	,
	, L0003525	, L0003526	,			

AERMOD LSTs Operational Output

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L0003532      L0003527      , L0003528      , L0003529      , L0003530      , L0003531      ,
              , L0003533      , L0003534      ,
L0003540      L0003535      , L0003536      , L0003537      , L0003538      , L0003539      ,
              , L0003541      , L0003542      ,
L0003548      L0003543      , L0003544      , L0003545      , L0003546      , L0003547      ,
              , L0003549      , L0003550      ,
L0003556      L0003551      , L0003552      , L0003553      , L0003554      , L0003555      ,
              , L0003557      , L0003558      ,
L0003564      L0003559      , L0003560      , L0003561      , L0003562      , L0003563      ,
              , L0003565      , L0003566      ,

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L0003572      L0003567      , L0003568      , L0003569      , L0003570      , L0003571      ,
              , L0003573      , L0003574      ,
♀ *** AERMOD - VERSION 15181 *** *** C:\Lakes\AERMOD
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**MODELOPTs: RegDFAULT CONC ELEV FLGPOL URBAN

*** SOURCE IDs DEFINING SOURCE GROUPS

SRCGROUP ID	SOURCE IDs
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L0003580      L0003575      , L0003576      , L0003577      , L0003578      , L0003579      ,
              , L0003581      , L0003582      ,
L0003588      L0003583      , L0003584      , L0003585      , L0003586      , L0003587      ,
              , L0003589      , L0003590      ,
♀ *** AERMOD - VERSION 15181 *** *** C:\Lakes\AERMOD
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**MODELOPTs: RegDFAULT CONC ELEV FLGPOL URBAN

AERMOD LSTs Operational Output

*** SOURCE IDs DEFINED AS URBAN SOURCES

URBAN ID -----	URBAN POP -----	SOURCE IDs -----			
L0002958 L0002961	2100516. , L0002959 ,	L0002954 , L0002960	, L0002955 ,	, L0002956 ,	, L0002957 ,
L0002967	L0002962 , L0002968	, L0002963 , L0002969	, L0002964 ,	, L0002965 ,	, L0002966 ,
L0002975	L0002970 , L0002976	, L0002971 , L0002977	, L0002972 ,	, L0002973 ,	, L0002974 ,
L0002983	L0002978 , L0002984	, L0002979 , L0002985	, L0002980 ,	, L0002981 ,	, L0002982 ,
L0002991	L0002986 , L0002992	, L0002987 , L0002993	, L0002988 ,	, L0002989 ,	, L0002990 ,
L0002999	L0002994 , L0003000	, L0002995 , L0003001	, L0002996 ,	, L0002997 ,	, L0002998 ,
L0003007	L0003002 , L0003008	, L0003003 , L0003009	, L0003004 ,	, L0003005 ,	, L0003006 ,
L0003015	L0003010 , L0003016	, L0003011 , L0003017	, L0003012 ,	, L0003013 ,	, L0003014 ,
L0003023	L0003018 , L0003024	, L0003019 , L0003025	, L0003020 ,	, L0003021 ,	, L0003022 ,
L0003031	L0003026 , L0003032	, L0003027 , L0003033	, L0003028 ,	, L0003029 ,	, L0003030 ,
L0003039	L0003034 , L0003040	, L0003035 , L0003041	, L0003036 ,	, L0003037 ,	, L0003038 ,
L0003047	L0003042 , L0003048	, L0003043 , L0003049	, L0003044 ,	, L0003045 ,	, L0003046 ,
L0003055	L0003050 , L0003056	, L0003051 , L0003057	, L0003052 ,	, L0003053 ,	, L0003054 ,
	L0003058	, L0003059	, L0003060	, L0003061	, L0003062

AERMOD LSTs Operational Output

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L0003063      , L0003064      , L0003065      ,
                L0003066      , L0003067      , L0003068      , L0003069      , L0003070      ,
L0003071      , L0003072      , L0003073      ,
                L0003074      , L0003075      , L0003076      , L0003077      , L0003078      ,
L0003079      , L0003080      , L0003081      ,
                L0003082      , L0003083      , L0003084      , L0003085      , L0003086      ,
L0003087      , L0003088      , L0003089      ,
                L0003090      , L0003091      , L0003092      , L0003093      , L0003094      ,
L0003095      , L0003096      , L0003097      ,
                L0003098      , L0003099      , L0003100      , L0003101      , L0003102      ,
L0003103      , L0003104      , L0003105      ,
                L0003106      , L0003107      , L0003108      , L0003109      , L0003110      ,
L0003111      , L0003112      , L0003113      ,
♀ *** AERMOD - VERSION 15181 *** *** C:\Lakes\AERMOD
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**MODELOPTs: RegDFAULT CONC ELEV FLGPOL URBAN

*** SOURCE IDs DEFINED AS URBAN SOURCES

URBAN ID	URBAN POP	SOURCE IDs
-----	-----	-----
L0003119	L0003114 , L0003120	L0003115 , L0003121 , L0003116 , L0003117 , L0003118 ,
L0003127	L0003122 , L0003128	L0003123 , L0003129 , L0003124 , L0003125 , L0003126 ,
L0003135	L0003130 , L0003136	L0003131 , L0003137 , L0003132 , L0003133 , L0003134 ,
L0003143	L0003138 , L0003144	L0003139 , L0003145 , L0003140 , L0003141 , L0003142 ,
	L0003146	L0003147 , L0003148 , L0003149 , L0003150 ,

AERMOD LSTs Operational Output

L0003151	, L0003152	, L0003153	,			
	L0003154	, L0003155	, L0003156	, L0003157	, L0003158	,
L0003159	, L0003160	, L0003161	,			
	L0003162	, L0003163	, L0003164	, L0003165	, L0003166	,
L0003167	, L0003168	, L0003169	,			
	L0003170	, L0003171	, L0003172	, L0003173	, L0003174	,
L0003175	, L0003176	, L0003177	,			
	L0003178	, L0003179	, L0003180	, L0003181	, L0003182	,
L0003183	, L0003184	, L0003185	,			
	L0003186	, L0003187	, L0003188	, L0003189	, L0003190	,
L0003191	, L0003192	, L0003193	,			
	L0003194	, L0003195	, L0003196	, L0003197	, L0003198	,
L0003199	, L0003200	, L0003201	,			
	L0003202	, L0003203	, L0003204	, L0003205	, L0003206	,
L0003207	, L0003208	, L0003209	,			
	L0003210	, L0003211	, L0003212	, L0003213	, L0003214	,
L0003215	, L0003216	, L0003217	,			
	L0003218	, L0003219	, L0003220	, L0003221	, L0003222	,
L0003223	, L0003224	, L0003225	,			
	L0003226	, L0003227	, L0003228	, L0003229	, L0003230	,
L0003231	, L0003232	, L0003233	,			
	L0003234	, L0003235	, L0003236	, L0003237	, L0003238	,
L0003239	, L0003240	, L0003241	,			
	L0003242	, L0003243	, L0003244	, L0003245	, L0003246	,
L0003247	, L0003248	, L0003249	,			
	L0003250	, L0003251	, L0003252	, L0003253	, L0003254	,
L0003255	, L0003256	, L0003257	,			
	L0003258	, L0003259	, L0003260	, L0003261	, L0003262	,
L0003263	, L0003264	, L0003265	,			
	L0003266	, L0003267	, L0003268	, L0003269	, L0003270	,
L0003271	, L0003272	, L0003273	,			

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AERMOD LSTs Operational Output

*** AERMET - VERSION 14134 ***
 *** 14:38:23

***MODELOPTs: RegDFAULT CONC PAGE 27
 ELEV FLGPOL URBAN

*** SOURCE IDs DEFINED AS URBAN SOURCES

URBAN ID	URBAN POP	SOURCE IDs
-----	-----	-----
L0003279	L0003274 , L0003280	L0003275 , L0003281 , L0003276 , L0003277 , L0003278 ,
L0003287	L0003282 , L0003288	L0003283 , L0003289 , L0003284 , L0003285 , L0003286 ,
L0003295	L0003290 , L0003296	L0003291 , L0003297 , L0003292 , L0003293 , L0003294 ,
L0003303	L0003298 , L0003304	L0003299 , L0003305 , L0003300 , L0003301 , L0003302 ,
L0003311	L0003306 , L0003312	L0003307 , L0003313 , L0003308 , L0003309 , L0003310 ,
L0003319	L0003314 , L0003320	L0003315 , L0003321 , L0003316 , L0003317 , L0003318 ,
L0003327	L0003322 , L0003328	L0003323 , L0003329 , L0003324 , L0003325 , L0003326 ,
L0003335	L0003330 , L0003336	L0003331 , L0003337 , L0003332 , L0003333 , L0003334 ,
L0003343	L0003338 , L0003344	L0003339 , L0003345 , L0003340 , L0003341 , L0003342 ,
L0003351	L0003346 , L0003352	L0003347 , L0003353 , L0003348 , L0003349 , L0003350 ,
L0003359	L0003354 , L0003360	L0003355 , L0003361 , L0003356 , L0003357 , L0003358 ,
	L0003362	L0003363 , L0003364 , L0003365 , L0003366 ,

AERMOD LSTs Operational Output

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AREA1      , AREA2      , AREA3      ,
STCK3      , AREA4      , AREA5      , AREA6      , STCK1      , STCK2      ,
, STCK4      , STCK5      ,
STCK11     , STCK6      , STCK7      , STCK8      , STCK9      , STCK10     ,
, STCK12     , STCK13     ,
L0003372   , L0003367   , L0003368   , L0003369   , L0003370   , L0003371   ,
, L0003373   , L0003374   ,
L0003380   , L0003375   , L0003376   , L0003377   , L0003378   , L0003379   ,
, L0003381   , L0003382   ,
L0003388   , L0003383   , L0003384   , L0003385   , L0003386   , L0003387   ,
, L0003389   , L0003390   ,
L0003396   , L0003391   , L0003392   , L0003393   , L0003394   , L0003395   ,
, L0003397   , L0003398   ,
L0003404   , L0003399   , L0003400   , L0003401   , L0003402   , L0003403   ,
, L0003405   , L0003406   ,
L0003412   , L0003407   , L0003408   , L0003409   , L0003410   , L0003411   ,
, L0003413   , L0003414   ,
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**MODELOPTs: RegDFAULT CONC ELEV FLGPOL URBAN

*** SOURCE IDs DEFINED AS URBAN SOURCES

URBAN ID	URBAN POP	SOURCE IDs
-----	-----	-----
L0003420	L0003415 , L0003421	L0003416 , L0003417 , L0003418 , L0003419 ,
L0003428	L0003423 , L0003429	L0003424 , L0003425 , L0003426 , L0003427 ,
	L0003431	L0003432 , L0003433 , L0003434 , L0003435 ,

AERMOD LSTs Operational Output

L0003436	, L0003437	, L0003438	,			
	L0003439	, L0003440	, L0003441	, L0003442	, L0003443	,
L0003444	, L0003445	, L0003446	,			
	L0003447	, L0003448	, L0003449	, L0003450	, L0003451	,
L0003452	, L0003453	, L0003454	,			
	L0003455	, L0003456	, L0003457	, L0003458	, L0003459	,
L0003460	, L0003461	, L0003462	,			
	L0003463	, L0003464	, L0003465	, L0003466	, L0003467	,
L0003468	, L0003469	, L0003470	,			
	L0003471	, L0003472	, L0003473	, L0003474	, L0003475	,
L0003476	, L0003477	, L0003478	,			
	L0003479	, L0003480	, L0003481	, L0003482	, L0003483	,
L0003484	, L0003485	, L0003486	,			
	L0003487	, L0003488	, L0003489	, L0003490	, L0003491	,
L0003492	, L0003493	, L0003494	,			
	L0003495	, L0003496	, L0003497	, L0003498	, L0003499	,
L0003500	, L0003501	, L0003502	,			
	L0003503	, L0003504	, L0003505	, L0003506	, L0003507	,
L0003508	, L0003509	, L0003510	,			
	L0003511	, L0003512	, L0003513	, L0003514	, L0003515	,
L0003516	, L0003517	, L0003518	,			
	L0003519	, L0003520	, L0003521	, L0003522	, L0003523	,
L0003524	, L0003525	, L0003526	,			
	L0003527	, L0003528	, L0003529	, L0003530	, L0003531	,
L0003532	, L0003533	, L0003534	,			
	L0003535	, L0003536	, L0003537	, L0003538	, L0003539	,
L0003540	, L0003541	, L0003542	,			
	L0003543	, L0003544	, L0003545	, L0003546	, L0003547	,
L0003548	, L0003549	, L0003550	,			
	L0003551	, L0003552	, L0003553	, L0003554	, L0003555	,
L0003556	, L0003557	, L0003558	,			
	L0003559	, L0003560	, L0003561	, L0003562	, L0003563	,

AERMOD LSTs Operational Output

L0003564 , L0003565 , L0003566 ,

L0003567 , L0003568 , L0003569 , L0003570 , L0003571 ,
L0003572 , L0003573 , L0003574 ,

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**MODELOPTs: RegDFAULT CONC ELEV FLGPOL URBAN

*** SOURCE IDs DEFINED AS URBAN SOURCES

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

L0003575 , L0003576 , L0003577 , L0003578 , L0003579 ,
L0003580 , L0003581 , L0003582 ,

L0003583 , L0003584 , L0003585 , L0003586 , L0003587 ,
L0003588 , L0003589 , L0003590 ,

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**MODELOPTs: RegDFAULT CONC ELEV FLGPOL URBAN

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

(477994.2, 3749818.5, 458.0, 458.0, 2.0); (478348.6,
3749820.7, 458.3, 458.3, 2.0);
(478324.0, 3749446.9, 456.0, 456.0, 2.0); (478321.9,
3749107.7, 454.0, 454.0, 2.0);
(478311.5, 3748947.3, 453.0, 453.0, 2.0); (478314.5,
3748704.1, 452.0, 452.0, 2.0);
(478309.7, 3748401.3, 451.0, 451.0, 2.0); (478302.7,
3748248.4, 450.0, 450.0, 2.0);

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****MODELOPTs:**

PROCESSING ***

[illegible]

WHAT IS INCLUDED IN THE DATA FILE.

CATEGORIES ***

10.80,

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11/03/15

*** AERMET - VERSION 14134 ***

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****MODELOPTs:**

DATA ***

Surface file: ..\..\peri8.sfc

AERMOD LSTs Operational Output

Met Version: 14134

Profile file: ..\..\peri8.PFL

Surface format: FREE

Profile format: FREE

Surface station no.: 3190
Name: UNKNOWN

Upper air station no.: 3190
Name: UNKNOWN

Year: 2007

Year: 2007

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							
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
07	01	01	1	01	-0.5	0.026	-9.000	-9.000	-999.	10.	3.0	0.19	1.00	
1.00	0.50	133.			9.1	279.9	5.5							
07	01	01	1	02	-0.5	0.026	-9.000	-9.000	-999.	10.	3.0	0.19	1.00	
1.00	0.50	192.			9.1	279.2	5.5							
07	01	01	1	03	-0.5	0.026	-9.000	-9.000	-999.	10.	3.0	0.19	1.00	
1.00	0.50	160.			9.1	277.5	5.5							
07	01	01	1	04	-0.5	0.026	-9.000	-9.000	-999.	10.	3.0	0.19	1.00	
1.00	0.50	75.			9.1	277.5	5.5							
07	01	01	1	05	-0.6	0.026	-9.000	-9.000	-999.	10.	2.6	0.19	1.00	
1.00	0.50	282.			9.1	278.8	5.5							
07	01	01	1	06	-0.6	0.026	-9.000	-9.000	-999.	10.	2.6	0.19	1.00	
1.00	0.50	96.			9.1	277.5	5.5							
07	01	01	1	07	-0.5	0.026	-9.000	-9.000	-999.	10.	3.0	0.19	1.00	
1.00	0.50	129.			9.1	278.1	5.5							
07	01	01	1	08	-0.4	0.026	-9.000	-9.000	-999.	10.	3.7	0.19	1.00	
0.54	0.50	99.			9.1	277.5	5.5							
07	01	01	1	09	27.8	0.091	0.542	0.005	196.	66.	-2.3	0.19	1.00	
0.33	0.50	133.			9.1	278.1	5.5							
07	01	01	1	10	76.9	0.104	1.050	0.005	516.	81.	-1.3	0.19	1.00	
0.26	0.50	174.			9.1	281.4	5.5							
07	01	01	1	11	110.0	0.109	1.374	0.009	810.	87.	-1.0	0.19	1.00	
0.23	0.50	95.			9.1	284.9	5.5							
07	01	01	1	12	125.7	0.201	1.589	0.018	1095.	216.	-5.5	0.19	1.00	
0.22	1.30	94.			9.1	288.1	5.5							
07	01	01	1	13	121.7	0.287	1.641	0.022	1248.	369.	-16.6	0.19	1.00	
0.22	2.20	24.			9.1	291.4	5.5							
07	01	01	1	14	102.8	0.414	1.559	0.021	1265.	639.	-59.1	0.19	1.00	
0.23	3.60	13.			9.1	292.5	5.5							
07	01	01	1	15	69.9	0.619	1.374	0.021	1276.	1169.	-291.2	0.19	1.00	
0.27	5.80	318.			9.1	292.0	5.5							
07	01	01	1	16	16.8	0.607	0.856	0.021	1277.	1135.	-1137.8	0.19	1.00	

AERMOD LSTs Operational Output

0.36	5.80	329.	9.1	291.4	5.5								
07	01	01	1	17	-42.2	0.437	-9.000	-9.000	-999.	720.	169.3	0.19	1.00
0.64	4.50	333.	9.1	289.9	5.5								
07	01	01	1	18	-18.5	0.353	-9.000	-9.000	-999.	510.	204.1	0.19	1.00
1.00	3.60	305.	9.1	288.8	5.5								
07	01	01	1	19	-42.3	0.437	-9.000	-9.000	-999.	692.	168.7	0.19	1.00
1.00	4.50	276.	9.1	287.5	5.5								
07	01	01	1	20	-32.3	0.334	-9.000	-9.000	-999.	470.	98.6	0.19	1.00
1.00	3.60	323.	9.1	287.5	5.5								
07	01	01	1	21	-36.7	0.380	-9.000	-9.000	-999.	562.	128.3	0.19	1.00
1.00	4.00	322.	9.1	288.1	5.5								
07	01	01	1	22	-45.6	0.434	-9.000	-9.000	-999.	685.	153.6	0.19	1.00
1.00	4.50	30.	9.1	288.1	5.5								
07	01	01	1	23	-39.7	0.377	-9.000	-9.000	-999.	557.	115.4	0.19	1.00
1.00	4.00	343.	9.1	287.0	5.5								
07	01	01	1	24	-7.7	0.093	-9.000	-9.000	-999.	215.	9.1	0.19	1.00
1.00	1.80	155.	9.1	283.8	5.5								

First hour of profile data

YR	MO	DY	HR	HEIGHT	F	WDIR	WSPD	AMB_TMP	sigmaA	sigmaW	sigmaV
07	01	01	01	5.5	0	-999.	-99.00	279.9	99.0	-99.00	-99.00
07	01	01	01	9.1	1	133.	0.50	-999.0	99.0	-99.00	-99.00

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

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**MODELOPTs: RegDFAULT CONC ELEV FLGPOL URBAN

*** THE 1ST HIGHEST 24-HR AVERAGE CONCENTRATION

 VALUES FOR SOURCE GROUP: ALL
 INCLUDING SOURCE(S): L0002954 , L0002955
 , L0002956 , L0002957 , L0002958 ,
 , L0002959 , L0002960 , L0002961 , L0002962 , L0002963
 , L0002964 , L0002965 , L0002966 ,
 , L0002967 , L0002968 , L0002969 , L0002970 , L0002971
 , L0002972 , L0002973 , L0002974 ,
 , L0002975 , L0002976 , L0002977 , L0002978 , L0002979
 , L0002980 , L0002981 , . . . ,

*** DISCRETE CARTESIAN RECEPTOR POINTS

** CONC OF PM_2.5 IN MICROGRAMS/M**3

AERMOD LSTs Operational Output

**

X-COORD (M)	Y-COORD (M)	CONC	(YYMMDDHH)	X-COORD (M)
Y-COORD (M)	CONC	(YYMMDDHH)		
477994.17	3749818.50	0.05562	(09020624)	478348.59
3749820.73	0.05329m	(10021924)		
478323.98	3749446.94	0.07486m	(10021924)	478321.90
3749107.70	0.12277m	(10021924)		
478311.50	3748947.34	0.18240m	(10021924)	478314.46
3748704.06	0.23336	(08011124)		
478309.66	3748401.33	0.25189	(07110824)	478302.71
3748248.43	0.19588	(07110824)		

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***MODELOPTs: RegDFAULT CONC PAGE 34
 ELEV FLGPOL URBAN

*** THE SUMMARY OF HIGHEST 24-HR

RESULTS ***

** CONC OF PM_2.5 IN MICROGRAMS/M**3

**

GROUP ID	DATE	NETWORK	RECEPTOR
(XR, YR, ZELEV, ZHILL, ZFLAG)		AVERAGE CONC (YYMMDDHH)	
		OF TYPE GRID-ID	
ALL	HIGH	1ST HIGH VALUE IS	0.25189 ON 07110824: AT (478309.66,
3748401.33,	451.00,	451.00,	2.00) DC

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

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AERMOD LSTs Operational Output

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**MODELOPTs: RegDFAULT CONC ELEV FLGPOL URBAN

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

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

A Total of 0 Fatal Error Message(s)
A Total of 1 Warning Message(s)
A Total of 1895 Informational Message(s)

A Total of 43824 Hours Were Processed

A Total of 90 Calm Hours Identified

A Total of 1805 Missing Hours Identified (4.12 Percent)

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

***** WARNING MESSAGES *****
ME W531 1776 MEOPEN: CAUTION! Met Station ID Missing from SURFFILE for
SURFDATA

*** AERMOD Finishes Successfully ***

APPENDIX 3.4

CONSTRUCTION EQUIPMENT MITIGATION

TABLE A: CONSTRUCTION EQUIPMENT ENGINE TIER MITIGATION (1 OF 2)

Phase Name	Vehicle Type	Number	CalEEMod Name	Tier
Building 1				
Grading	657 Scraper	8	Scraper	4
	Cat D9L	1	Crawler Tractor	3
	934 Dozer/Compactor	1	Rubber Tired Dozer	0
	631 Water Pull	2	Off-Highway Tractors	1
	4000 gal Water Truck	2	Other Construction Equip.	4
	Cat 14 Blade	1	Grader	4
	210 Skip Loader	1	Rubber Tired Loader	3
	623 Elevating Scraper	3	Other General Industrial Equipment	3
Trenching	Skip Loader	2	Rubber Tired Loader	3
	Cat 460 Backhoe	2	Tractors/Loaders/Backhoes	3
	966 Front End	2	Other Material Handling Equipment	4
	330 Excavator	2	Excavator	3
	Water Truck	2	Other Construction Equip.	4
Concrete Shell	Backhoe	4	Tractors/Loaders/Backhoes	3
	Readymix Truck	Accounted for in CalEEMod Inputs-Trips and VMTs section		
	Lazerscreed	1	Other Construction Equip.	4
	Finishing Machine	1	Other Construction Equip.	4
	Boom Pump	1	Other Construction Equip.	4
	Gradall	2	Other Construction Equip.	4
Steel & Roof	30 Ton Crane	2	Crane	0
	Weld Machine	2	Other Construction Equip.	4
	Gradall	1	Other Construction Equip.	4
Roofing & Overhead Work	Gradall	1	Other Construction Equip.	4
	Forklift	2	Forklifts	2
	Tanker (Tar)	2	Other Construction Equip.	4
	Scissor Lift	3	Aerial Lifts	0
Architectural Coating	Boom Lift	4	Other Construction Equip.	4
Misc. Finishes	Scissor Lift	2	Aerial Lifts	0
	Boom Lift	2	Other Construction Equip.	4
Paving	Lazerscreed	1	Other Construction Equip.	4
	Skip Loader	2	Rubber Tired Loader	3
	Readymix Truck	Accounted for in CalEEMod Inputs-Trips and VMTs section		
	Trenching Machine	1	Trencher	3

TABLE A: CONSTRUCTION EQUIPMENT ENGINE TIER MITIGATION (2 OF 2)

Phase Name	Vehicle Type	Number	CalEEMod Name	Tier
Buildings 2,3,4 (each)				
Grading	657 Scraper	3	Scraper	4
	Cat D9L	1	Crawler Tractor	3
	934 Dozer/Compactor	0	Rubber Tired Dozer	0
	631 Water Pull	0	Off-Highway Tractors	1
	4000 gal Water Truck	1	Other Construction Equip.	4
	Cat 14 Blade	1	Grader	4
	210 Skip Loader	1	Rubber Tired Loader	3
	623 Elevating Scraper	1	Other General Industrial Equipment	3
Trenching	Skip Loader	1	Rubber Tired Loader	3
	Cat 460 Backhoe	1	Tractors/Loaders/Backhoes	3
	966 Front End	1	Other Material Handling Equipment	4
	330 Excavator	1	Excavator	3
	Water Truck	1	Other Construction Equip.	4
Concrete Shell	Backhoe	2	Tractors/Loaders/Backhoes	3
	Readymix Truck	Accounted for in CalEEMod Inputs-Trips and VMTs section		
	Lazerscreed	1	Other Construction Equip.	4
	Finishing Machine	1	Other Construction Equip.	4
	Boom Pump	1	Other Construction Equip.	4
	Gradall	1	Other Construction Equip.	4
Steel & Roof	30 Ton Crane	1	Crane	0
	Weld Machine	1	Other Construction Equip.	4
	Gradall	1	Other Construction Equip.	4
Roofing & Overhead Work	Gradall	1	Other Construction Equip.	4
	Forklift	1	Forklifts	2
	Tanker (Tar)	1	Other Construction Equip.	4
	Scissor Lift	1	Aerial Lifts	0
Architectural Coating	Boom Lift	1	Other Construction Equip.	4
Misc. Finishes	Scissor Lift	1	Aerial Lifts	0
	Boom Lift	1	Other Construction Equip.	4
Paving	Lazerscreed	1	Other Construction Equip.	4
	Skip Loader	1	Rubber Tired Loader	3
	Readymix Truck	Accounted for in CalEEMod Inputs-Trips and VMTs section		
	Trenching Machine	1	Trencher	3