

APPENDIX C: CONSTRUCTION AND MOBILE SOURCE DIESEL HEALTH RISK ASSESSMENT

This page intentionally left blank.



Palomino Business Park

CONSTRUCTION AND MOBILE SOURCE DIESEL HEALTH RISK ASSESSMENT

CITY OF NORCO

PREPARED BY:

Haseeb Qureshi
hqureshi@urbanxroads.com
(949) 336-5987

AUGUST 1, 2019

TABLE OF CONTENTS

TABLE OF CONTENTS	I
APPENDICES	II
LIST OF EXHIBITS	III
LIST OF TABLES	III
LIST OF ABBREVIATED TERMS.....	IV
EXECUTIVE SUMMARY	1
Construction Impacts.....	1
Operational Impacts	2
1 INTRODUCTION.....	5
1.1 Site Location.....	6
1.2 Project Study Area	6
1.3 Project Description.....	7
2 BACKGROUND.....	10
2.1 Existing Conditions Toxic Air Contaminants.....	10
2.2 Construction Health Risk Assessment.....	14
2.3 Operational Health Risk Assessment	16
2.3 Exposure Quantification	21
2.4 Carcinogenic Chemical Risk.....	24
2.5 Non-carcinogenic Exposures.....	26
2.6 Potential Project-Related DPM Source Cancer and Non-Cancer Risks	26
Construction Impacts.....	26
Operational Impacts	27
3 REFERENCES.....	29
4 CERTIFICATION.....	31

APPENDICES

APPENDIX 2.1: AERMOD MODEL INPUT/OUTPUT

APPENDIX 2.2: DPM EMISSIONS FROM PROJECT

APPENDIX 2.3: RISK ESTIMATES

LIST OF EXHIBITS

EXHIBIT 1-A: LOCATION MAP	8
EXHIBIT 1-B: SITE PLAN	9
EXHIBIT 2-A: CALIFORNIA TOXIC AIR CONTAMINANT MONITORING SITES	11
EXHIBIT 2-B: DIESEL PARTICULATE MATTER AND DIESEL VEHICLE MILES TREND	12
EXHIBIT 2-C: MODELED EMISSION SOURCES	20
EXHIBIT 2-D: WIND ROSE (SRA 33)	22
EXHIBIT 2-E: NEAREST MODELED RESIDENTIAL RECEPTORS	28

LIST OF TABLES

TABLE ES-1: SUMMARY OF CONSTRUCTION CANCER AND NON-CANCER RISKS	1
TABLE ES-2: SUMMARY OF OPERATIONAL CANCER AND NON-CANCER RISKS.....	3
TABLE 1-1: LIFETIME RISK COMPARISON	6
TABLE 2-1: CONSTRUCTION DURATION.....	15
TABLE 2-2: CONSTRUCTION EQUIPMENT ASSUMPTIONS	15
TABLE 2-3: 2022 WEIGHTED AVERAGE DPM EMISSIONS FACTORS	17
TABLE 2-4: DPM EMISSIONS FROM PROJECT TRUCKS (2022 ANALYSIS YEAR)	19
TABLE 2-5: AERMOD MODEL PARAMETERS.....	23
TABLE 2-6: EXPOSURE ASSUMPTIONS FOR INDIVIDUAL CANCER RISK (30 YEAR RESIDENTIAL).....	24
TABLE 2-7: EXPOSURE ASSUMPTIONS FOR INDIVIDUAL CANCER RISK (25 YEAR WORKER).....	24
TABLE 2-8: EXPOSURE ASSUMPTIONS FOR INDIVIDUAL CANCER RISK (9 YEAR SCHOOL CHILD).....	24

LIST OF ABBREVIATED TERMS

(1)	Reference
µg	Microgram
AERMOD	Atmospheric Dispersion Modeling System
APS	Auxiliary Power System
AQMD	Air Quality Management District
ARB	California Air Resources Board
CEQA	California Environmental Quality Act
CPF	Cancer Potency Factor
DPM	Diesel Particulate Matter
EMFAC	Emission Factor Model
EPA	Environmental Protection Agency
HHD	Heavy Heavy-Duty
HI	Hazard Index
HRA	Health Risk Assessment
LHD	Light Heavy-Duty
MATES	Multiple Air Toxics Exposure Study
MEIR	Maximally Exposed Individual Receptor
MEIW	Maximally Exposed Individual Worker
MHD	Medium Heavy-Duty
NAD	North American Datum
OEHHA	Office of Environmental Health Hazard
PCE	Passenger Car Equivalent
PM10	Particulate Matter 10 microns in diameter or less
Project	Palomino Business Park
REL	Reference Exposure Level
RM	Recommended Measures
SCAQMD	South Coast Air Quality Management District
SRA	Source Receptor Area
TAC	Toxic Air Contaminant
URF	Unit Risk Factor
UTM	Universal Transverse Mercator
VMT	Vehicle Miles Traveled

EXECUTIVE SUMMARY

This report evaluated the potential mobile source health risk impacts to sensitive receptors (residents and schools) and adjacent workers associated with the development of the proposed Project, more specifically, health risk impacts as a result of exposure to diesel particulate matter (DPM) as a result of on-site construction equipment and heavy-duty diesel trucks accessing the site. This section summarizes the significance criteria and Project health risks from exposure to DPM.

CONSTRUCTION IMPACTS

The results of the health risk assessment of Project-generated DPM emissions during construction activity are summarized at Table ES-1.

The land use with the greatest potential exposure to Project construction DPM source emissions is located approximately 61 feet east of the Project site at existing residential homes on the east side of Mountain Avenue. At the maximally exposed individual receptor (MEIR), the maximum incremental cancer risk attributable to Project construction DPM source emissions is estimated at 1.62 in one million, which is less than the threshold of 10 in one million. At this same location, non-cancer risks were estimated to be 0.0002, which would not exceed the applicable threshold of 1.0. As such, the Project will not cause a significant human health or cancer risk to adjacent land uses as a result of Project construction activity. All other modeled residential locations in the vicinity of the Project would be exposed to less emissions and therefore less risk than the MEIR identified herein¹.

TABLE ES-1: SUMMARY OF CONSTRUCTION CANCER AND NON-CANCER RISKS

Location	Maximum Lifetime Cancer Risk (Risk per Million)	Significance Threshold (Risk per Million)	Exceeds Significance Threshold
Maximum Exposed Sensitive Receptor	1.62	10	NO
Location	Maximum Hazard Index	Significance Threshold	Exceeds Significance Threshold
Maximum Exposed Sensitive Receptor	0.002	1.0	NO

1 Proximity to sources of toxics is critical to determining the impact. In traffic-related studies, the additional health risk attributable to proximity was seen within 1,000 feet and was strongest within 300 feet. California freeway studies show about a 70-percent drop-off in particulate pollution levels at 500 feet. Based on CARB and SCAQMD emissions and modeling analyses, an 80-percent drop-off in pollutant concentrations is expected at approximately 1,000 feet from a distribution center (1).

OPERATIONAL IMPACTS

The results of the health risk assessment of Project-generated DPM emissions during operational activity are summarized at Table ES-2.

Residential Exposure Scenario:

The residential land use with the greatest potential exposure to Project DPM source emissions is an existing residential home located approximately 60 feet east of the Project site, on the east side of Mountain Avenue. to the Project. At the maximally exposed individual receptor (MEIR²), the maximum incremental cancer risk attributable to Project DPM source emissions is calculated at 6.33 in one million, which is less than the SCAQMD threshold of 10 in one million. At this same location, non-cancer risks were calculated to be 0.002, which would not exceed the applicable threshold of 1.0. As such, the Project will not cause a significant human health or cancer risk to adjacent residences.

Worker Exposure Scenario:

The worker receptor land use with the greatest potential exposure to Project DPM source emissions is located immediately adjacent to the east of the Project site on the east side of Mountain Avenue. At the maximally exposed worker (MEIW), the maximum incremental cancer risk impact at this location is 0.47 in one million which is less than the threshold of 10 in one million. At this same location, non-cancer risks were calculated to be 0.001, which would not exceed the applicable threshold of 1.0. As such, the Project will not cause a significant human health or cancer risk to adjacent workers.

School Child Exposure Scenario:

The school site land use with the greatest potential exposure to Project DPM source emissions is located at the George Washington Elementary School at 1220 West Parkridge Avenue in the City of Norco which is located approximately 700 feet west of the Project site. It should be noted that the George Washington Elementary School is estimated to have the greatest potential exposure to DPM emissions due to truck travel patterns and meteorological conditions. It should also be noted that there are no other schools are located closer than George Washington Elementary School to the Project site. As such, there may be other schools located more than a greater distance from the Project; however, any impacts at other schools would be less than what has been disclosed for the George Washington Elementary School. At the maximally exposed individual school child (MEISC), the maximum incremental cancer risk impact at this location is 0.28 in one million which is less than the threshold of 10 in one million. Maximum non-cancer risks at this same location were estimated to be 0.0003 which would not exceed the applicable threshold of 1.0. As such, the Project will not cause a significant human health or cancer risk to any school children.

2 The MEIR is representative of the maximum impact at any individual residence, impacts at homes other than the MEIR would be less than or equal to the impact at the MEIR.

TABLE ES-2: SUMMARY OF OPERATIONAL CANCER AND NON-CANCER RISKS

Time Period	Location	Maximum Lifetime Cancer Risk (Risk per Million)	Significance Threshold (Risk per Million)	Exceeds Significance Threshold
30 Year Exposure	Maximum Exposed Sensitive Receptor	6.33	10	NO
25 Year Exposure	Maximum Exposed Worker Receptor	0.47	10	NO
9 Year Exposure	Maximum Exposed School Child	0.28	10	NO
Time Period	Location	Maximum Hazard Index	Significance Threshold	Exceeds Significance Threshold
30 Year Exposure	Maximum Exposed Sensitive Receptor	0.002	1.0	NO
25 Year Exposure	Maximum Exposed Worker Receptor	0.001	1.0	NO
9 Year Exposure	Maximum Exposed School Child	0.0003	1.0	NO

This page intentionally left blank

1 INTRODUCTION

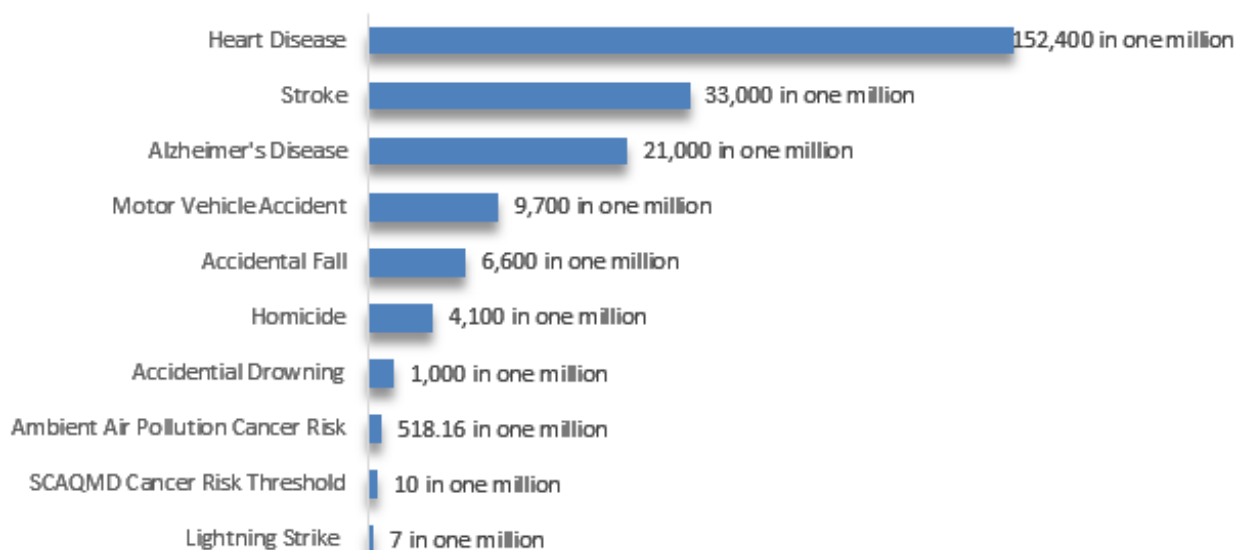
The purpose of this Health Risk Assessment (HRA) is to evaluate Project-related impacts to sensitive receptors (residential, schools) and adjacent workers as a result of heavy-duty diesel trucks accessing the site.

This document also serves to meet the SCAQMD's request for preparation of an HRA for projects that generate/attract diesel-fueled trucks which emit diesel particulate matter (DPM). The SCAQMD typically provides a comment letter on the Notice of Preparation for CEQA projects requesting the preparation of a HRA. The mobile source HRA has been prepared in accordance with the document Health Risk Assessment Guidance for Analyzing Cancer Risk from Mobile Source Diesel Idling Emissions for CEQA Air Quality Analysis (1). Cancer risk is expressed in terms of expected incremental incidence per million population. The SCAQMD has established an incidence rate of 10 persons per million as the maximum acceptable incremental cancer risk due to DPM exposure. This threshold serves to determine whether or not a given project has a potentially significant development-specific and cumulative impact. The 10 in one million standard is a very health-protective significance threshold. A risk level of 10 in one million implies a likelihood that up to 10 persons, out of one million equally exposed people would contract cancer if exposed continuously (24 hours per day) to the levels of toxic air contaminants over a specified duration of time. This risk would be an excess cancer that is in addition to any cancer risk borne by a person not exposed to these air toxics. To put this risk in perspective, sample causes of death in the United States as well as the estimated risk of developing cancer from the Project or in the South Coast Air Basin are shown on Table 1-1. As an example, the risk of dying from accidental drowning is 1,000 in a million which is 100 times more than the SCAQMD's threshold of 10 in one million, the nearest comparison to 10 in one million is the 7 in one million lifetime chance that an individual would be struck by lightning.

The SAQMD 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* (2). In this report the SAQMD 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

TABLE 1-1: LIFETIME RISK COMPARISON

thresholds are the same. Conversely, projects that do not exceed the project-specific thresholds are generally not considered to be cumulatively significant."

The SCAQMD has also established non-carcinogenic risk parameters for use in HRAs. Non-carcinogenic risks are quantified by calculating a "hazard index," expressed as the ratio between the ambient pollutant concentration and its toxicity or Reference Exposure Level (REL). An REL is a concentration at or below which health effects are not likely to occur. A hazard index less than one (1.0) means that adverse health effects are not expected. Within this analysis, non-carcinogenic exposures of less than 1.0 are considered less-than-significant.

1.1 SITE LOCATION

The proposed Palomino Business Park site is located on either side of Mountain Avenue between Second Street and First Street in the City of Norco, as shown on Exhibit 1-A.

1.2 PROJECT STUDY AREA

The Project site is currently developed with 36 single-family residential structures and a chicken egg warehouse and distribution facility for Hidden Villa Ranch. Residential structures are located along First Street, Second Street, and Pacific Avenue, some of which are occupied, and some are vacant. Several of the on-site residential parcels contain chickens, horses, goats, ponies, and dog raising activities; however, none are commercial operations. The site also includes several dilapidated former farm buildings, stables, chicken sheds, and concrete pads from previous uses. Additionally, a large portion of the site consists of undeveloped vacant land, a portion of which includes remnants of building foundations.

The surrounding land uses are described below.

- North: Second Street followed by single-family residential uses. General Plan Land Use designation of Residential Agricultural (RA) and Zoned Agricultural – Low Density 10 acres (A-1-10).
- West: Pacific Avenue and single-family residential uses. General Plan Land Use designation of Residential Agricultural (RA) and Zoned Agricultural – Low Density 10 acres (A-1-10).
- South: First Street and single-family residential. General Plan Land Use designation of Residential Agricultural (RA) and Zoned Agricultural – Low Density 10 acres (A-1-10); and Gateway Specific Plan designation of Residential (R).
- East: A portion of Mountain Avenue, single-family residential, and industrial development. Gateway Specific Plan designation of Industrial (I) with a Housing Development Overlay (HDO).

1.3 PROJECT DESCRIPTION

The Project is proposed to consist of the development of 602,130 square feet (sf) of high-cube cold storage warehousing, 1,426,460 sf of industrial park, 6,520 sf of retail, 6,520 sf of fast-food restaurant without drive-through window, 4,275 sf of fast-food restaurant with drive-through window, and a 12-vehicle fueling position (VFP) gas station with a 4,095 sf convenience market, for a total development of 2,050,000 sf, as shown on Exhibit 1-B. The Project is anticipated to be constructed in a single phase by the year 2022.

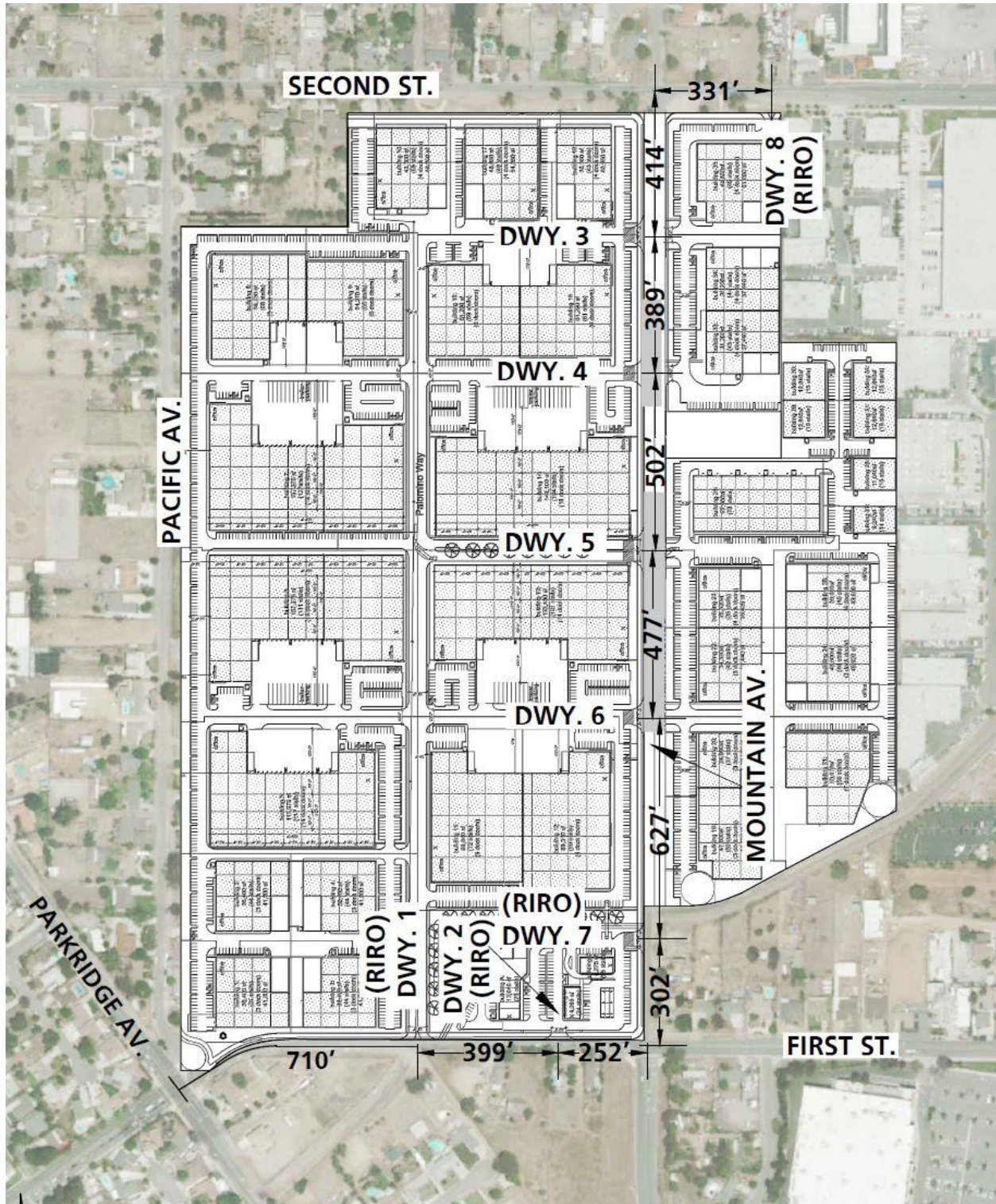
At the time this HRA was prepared, the future tenants of the proposed Project were unknown. This air study is intended to describe impacts associated with the expected typical, 24-hour seven days per week operational activities at the Project site.

Per the *Palomino Business Park Traffic Impact Analysis* prepared by Urban Crossroads, Inc. the Project is expected to generate a total of approximately 7,922 trip-ends per day (actual vehicles) and includes 1,040 truck trip-ends per day (3). This health risk assessment study relies on the actual Project trips (as opposed to the passenger car equivalents) to accurately account for the effect of individual truck trips on the emissions calculations herein.

EXHIBIT 1-A: LOCATION MAP



EXHIBIT 1-B: SITE PLAN



2 BACKGROUND

2.1 EXISTING CONDITIONS TOXIC AIR CONTAMINANTS

TOXIC AIR CONTAMINANTS (TACs) IMPROVEMENT

In 1984, as a result of public concern for exposure to airborne carcinogens, the ARB 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 ARB, 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 substantially (4). 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 ARB has implemented to address cancer risk.

Mobile Source TACs

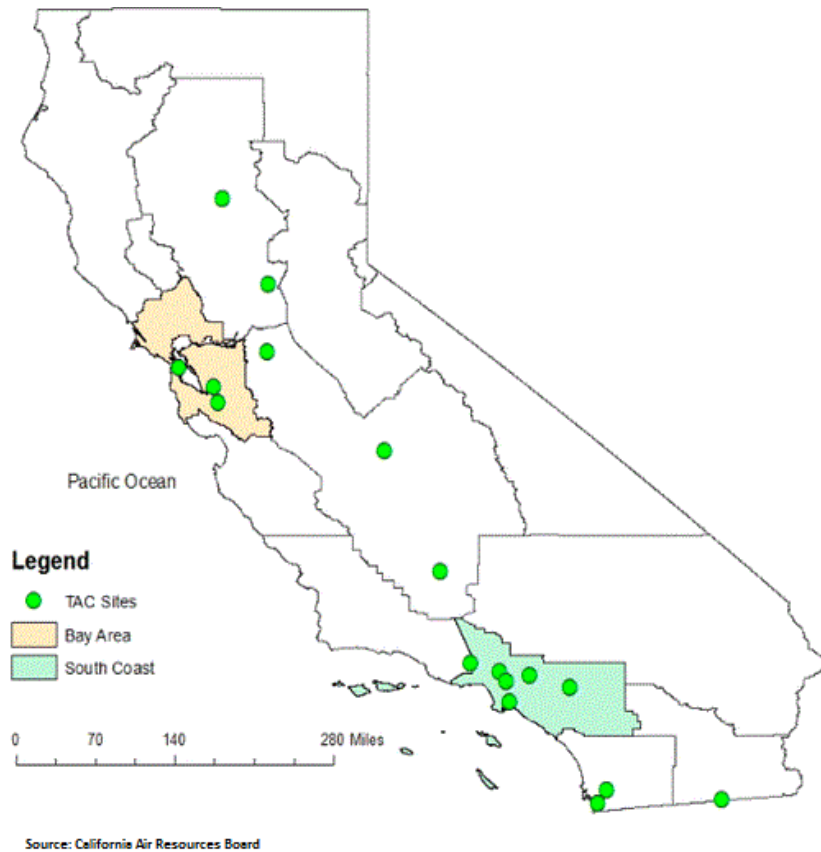
The ARB introduced two programs that aimed at reducing mobile emissions for light and medium duty vehicles through vehicle emissions controls and cleaner fuel. Since 1996, light-duty vehicles sold in California are equipped with California's second-generation On-Board Diagnostic (OBD-II) system as a result of about half of total car emissions stemming from emissions control device malfunctions. ARB'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 (4)^{4,5}.

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.

⁴ Appendix 2.1 includes an article from The Press Enterprise that summarizes the data published by ARB in the Environmental Science and Technology Journal.

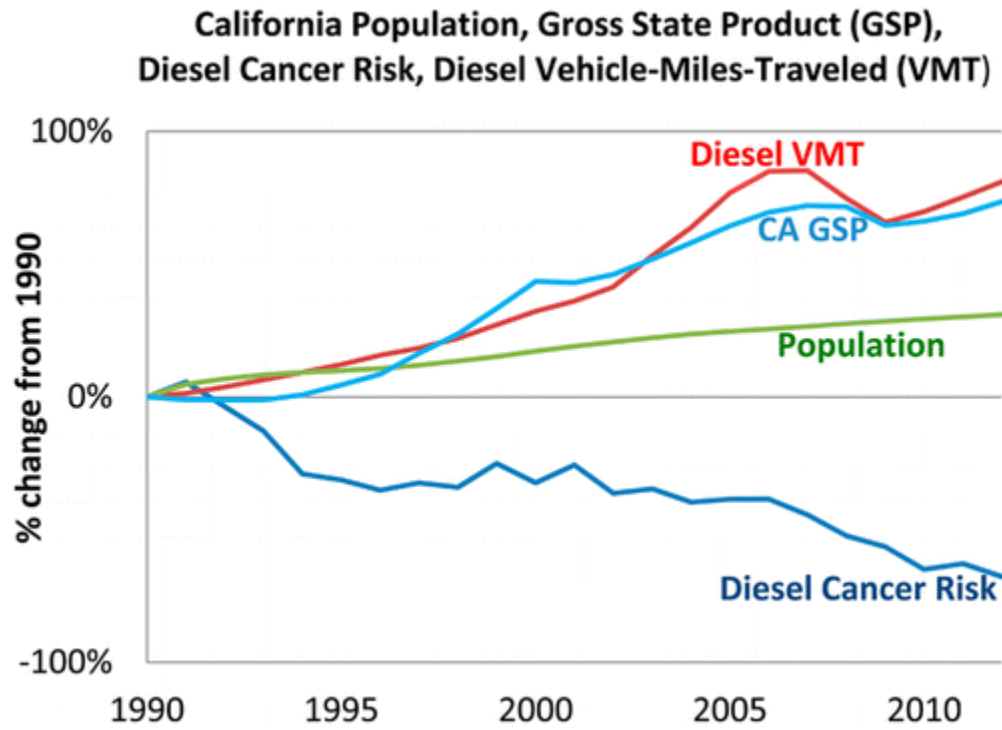
⁵ <http://www.arb.ca.gov/newsrel/newsrelease.php?id=758>

EXHIBIT 2-A: CALIFORNIA TOXIC AIR CONTAMINANT MONITORING SITES

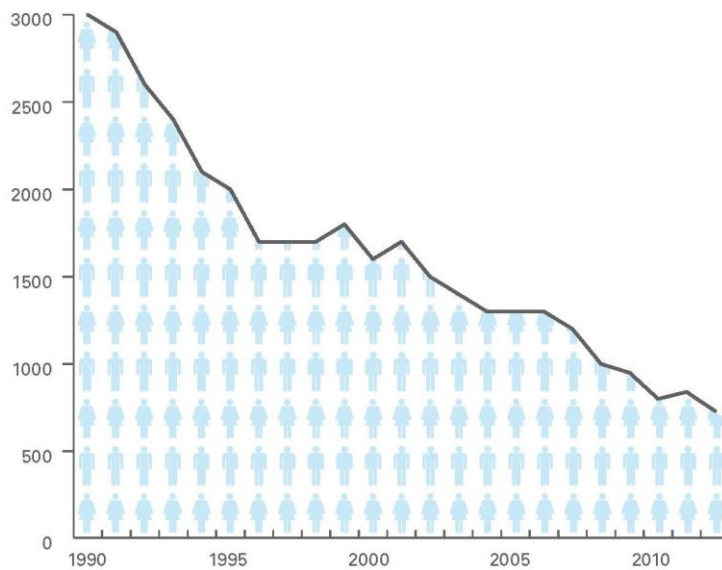


In 2000, ARB's Diesel Risk Reduction Plan (DRRP) recommended the replacement and retrofit of diesel-fueled engines and the use of ultra-low-sulfur (<15ppm) diesel fuel. As a result of these measures, DPM concentrations have declined 68%, even though the state's population increased 31% and the amount 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



Decreasing Cancer Risk per Million Residents



Source: California Air Resources Board

DIESEL REGULATIONS

The ARB 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 ARB Drayage Truck Regulation (5), the ARB statewide On-road Truck and Bus Regulation (6), and the Ports of Los Angeles and Long Beach “Clean Truck Program” (CTP) require accelerated implementation of “clean trucks” into the statewide truck fleet (7). 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 ARB, 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*,⁶ which shows that cancer risk has decreased more than 50% between MATES III (2005) and MATES IV (2012) (8).

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 over 900 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 site⁶. 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 900.35 in one

⁶ The MATES IV study does include monitoring stations in the Mira Loma Village, however these monitoring sites are temporary and only monitored for black carbon (BC) and ultrafine particulates (UFP). No risk estimates were derived from this monitored location.

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.

2.2 CONSTRUCTION HEALTH RISK ASSESSMENT

2.2.1 EMISSIONS CALCULATIONS

The emissions calculations for the construction HRA component are based on an assumed mix of construction equipment as presented in the *Palomino Business Park Air Quality Impact Analysis* (“AQIA”) prepared by Urban Crossroads, Inc. (9) The construction equipment and haul truck emissions are based on the California Emissions Estimator Model™ (CalEEMod™) v2016.3.2.

Construction related DPM emissions are expected from the following construction activities:

- Demolition
- Site Preparation
- Grading
- Building Construction
- Paving
- Architectural Coating

Construction is expected to commence in July 2020 and will last through October 2022. The construction schedule utilized in the analysis, shown in Table 2-1, 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.⁷ The duration of construction activity was based upon the 2022 opening year. A detailed summary of construction equipment is shown in Table 2-2. The site-specific construction fleet may vary due to specific project needs at the time of construction. The duration of construction activity and associated equipment both represent a reasonable approximation of the expected construction fleet as required per CEQA guidelines. Please refer to specific detailed modeling inputs/outputs contained in Appendix 2.1 of this analysis.

⁷ As shown in the California Emissions Estimator Model (CalEEMod) User’s Guide Version 2016.3.2, Section 4.3 “OFFROAD Equipment” 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 2-1: CONSTRUCTION DURATION

Phase Name	Start Date	End Date	Days
Demolition	07/05/2020	08/28/2020	40
Site Preparation	08/29/2020	12/18/2020	80
Grading	12/19/2020	04/09/2021	80
Building Construction	04/10/2021	06/03/2022	300
Paving	08/13/2022	10/07/2022	40
Architectural Coating	01/01/2022	10/07/2022	200

Source: Construction activity based the 2022 opening year.

TABLE 2-2: CONSTRUCTION EQUIPMENT ASSUMPTIONS

Activity	Equipment	Number	Hours Per Day
Demolition	Concrete/Industrial Saws	1	8
	Crushing/Proc. Equipment	1	8
	Excavators	2	8
	Rubber Tired Dozers	2	8
Site Preparation	Crawler Tractors	4	8
	Rubber Tired Dozers	3	8
Grading	Excavators	2	8
	Graders	4	8
	Rubber Tired Dozers	4	8
	Scrapers	4	8
	Tractors/Loaders/Backhoes	2	8
	Water Trucks ⁸	2	8
Building Construction	Cranes	2	8
	Forklifts	3	8
	Generator Sets	2	8
	Tractors/Loaders/Backhoes	3	8
	Welders	2	8
Paving	Cement and Mortar Mixers	2	8
	Pavers	1	8
	Paving Equipment	2	8

⁸ CalEEMod does not provide the option to model Water Trucks. As such, this equipment was modeled as "Off-Highway Trucks".

	Rollers	2	8
	Tractors/Loaders/Backhoes	1	8
Architectural Coating	Air Compressors	1	8

Source: Construction equipment based on past project experience and was generally based on CalEEMod defaults.

2.3 OPERATIONAL HEALTH RISK ASSESSMENT

2.3.1 ON-SITE AND OFF-SITE TRUCK ACTIVITY

Vehicle DPM emissions were estimated using emission factors for particulate matter less than 10µm in diameter (PM₁₀) generated with the 2017 version of the Emission FACTor model (EMFAC) developed by the ARB. EMFAC 2017 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 (10). The most recent version of this model, EMFAC 2017, incorporates regional motor vehicle data, information and estimates regarding the distribution of vehicle miles traveled (VMT) by speed, and number of starts per day.

Several distinct emission processes are included in EMFAC 2017. Emission factors calculated using EMFAC 2017 are expressed in units of grams per vehicle miles traveled (g/VMT) or grams per idle-hour (g/idle-hr), depending on the emission process. The emission processes and corresponding emission factor units associated with diesel particulate exhaust for this Project are presented below.

For this Project, annual average PM₁₀ emission factors were generated by running EMFAC 2017 in EMFAC Mode for vehicles in the San Bernardino County jurisdiction. 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 – on-site loading/unloading and truck gate
- 5 miles per hour – on-site vehicle movement including driving and maneuvering
- 25 miles per hour – off-site vehicle movement including driving and maneuvering.

Calculated emission factors are shown at Table 2-3. As a conservative measure, a 2022 EMFAC 2017 run was conducted and a static 2022 emissions factor data set was used for the entire duration of analysis herein (e.g., 30 years). Use of 2022 emission factors would overstate potential impacts since this approach assumes that emission factors remain “static” and do not change over time due to fleet turnover or cleaner technology with lower emissions that would be incorporated after 2022. Additionally, based on EMFAC 2017, Light-Heavy-Duty Trucks comprise of 49.43% diesel, Medium-Heavy-Duty Trucks comprise of 88.5% diesel, and Heavy-Heavy-Duty Trucks comprise of 98.8% diesel trucks and have been accounted for accordingly in the emissions factor generation.

The vehicle DPM exhaust emissions were calculated for running exhaust emissions. The running exhaust emissions were calculated by applying the running exhaust PM₁₀ emission factor

(g/VMT) from EMFAC over the total distance traveled. The following equation was used to estimate off-site emissions for each of the different vehicle classes comprising the mobile sources (10):

$$\text{Emissions}_{\text{speedA}} \text{ (g/s)} = \text{EF}_{\text{RunExhaust}} \text{ (g/VMT)} * \text{Distance (VMT/trip)} * \text{Number of Trips (trips/day)} / \text{seconds per day}$$

Where:

$\text{Emissions}_{\text{speedA}}$ (g/s): Vehicle emissions at a given speed A;

$\text{EF}_{\text{RunExhaust}}$ (g/VMT): EMFAC running exhaust PM₁₀ emission factor at speed A;

Distance (VMT/trip): Total distance traveled per trip.

Similar to off-site traffic, on-site vehicle running emissions were calculated by applying the running exhaust PM₁₀ emission factor (g/VMT) from EMFAC 2017 and the total vehicle trip number over the length of the driving path using the same formula presented above for on-site emissions. In addition, on-site vehicle idling exhaust emissions were calculated by applying the idle exhaust PM₁₀ emission factor (g/idle-hr) from EMFAC 2017 and the total truck trip over the total idle time (15 minutes). The following equation was used to estimate the on-site vehicle idling emissions for each of the different vehicle classes (10):

$$\text{Emissions}_{\text{idle}} \text{ (g/s)} = \text{EF}_{\text{idle}} \text{ (g/hr)} * \text{Number of Trips (trips/day)} * \text{Idling Time (min/trip)} * \frac{60 \text{ minutes}}{\text{per hour}} / \text{seconds per day}$$

Where:

$\text{Emissions}_{\text{idle}}$ (g/s): Vehicle emissions during idling;

EF_{idle} (g/s): EMFAC idle exhaust PM₁₀ emission factor.

TABLE 2-3: 2022 WEIGHTED AVERAGE DPM EMISSIONS FACTORS

Speed	Weighted Average
0 (idling)	0.12360 (g/idle-hr)
5	0.04501 (g/s)
25	0.01932 (g/s)

Each roadway was modeled as a line source (made up of multiple adjacent volume sources). Due to the large number of volume sources modeled for this analysis, the corresponding coordinates of each volume source have not been included in this report but are included in Appendix 2.2. The DPM emission rate for each volume source was calculated by multiplying the emission factor (based on the average travel speed along the roadway) by the number of trips and the distance traveled along each roadway segment and dividing the result by the number of volume sources along that roadway, as summarized on Table 2-4. The modeled emission sources are illustrated on Exhibit 2-C. The modeled truck travel routes included in the HRA are based on the truck trip

distributions (inbound and outbound) available from the Project's Traffic Impact Analysis (TIA) (3). The modeled truck route is consistent with the trip distribution patterns identified in the Project's traffic study is supported by substantial evidence and was modeled to determine the potential impacts to sensitive receptors along the primary truck routes. The modeling domain is limited to the Project's primary truck route and includes off-site sources in the study area for approximately ¼ mile to over 2 miles. This modeling domain is consistent with and more conservative than using only a ¼ mile modeling domain which is supported by substantial evidence since several studies have shown that the greatest potential risks occur within a ¼ mile of the primary source of emissions (in the case of the Project this is the on-site idling, and travel)⁹.

On-site truck idling was estimated to occur as trucks enter and travel through the facility. Although the Project is required to comply with ARB'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 (11). This accounts for on-site idling which occurs while the trucks are waiting to pull up to the truck bays, idling at the bays, and idling at check-in and check-out. As such, this analysis estimated truck idling at 15 minutes, consistent with SCAQMD's recommendation.

Per the *Palomino Business Park Traffic Impact Analysis* prepared by Urban Crossroads, Inc. the Project is expected to generate a total of approximately 7,922 trip-ends per day (actual vehicles) and includes 1,040 truck trip-ends per day (3). This health risk assessment study relies on the actual Project trips (as opposed to the passenger car equivalents) to accurately account for the effect of individual truck trips on the emissions calculations herein.

2.3.2 TRANSPORT REFRIGERATION UNITS (TRUs)

In order to account for the possibility of refrigerated uses being accommodated all trucks accessing the High-Cube Cold Storage Warehouse portion of the Project are conservatively assumed to also have transport refrigeration units (TRUs). Therefore, for modeling purposes 21 total daily trucks (one-way) are assumed to be trucks with TRUs. In addition to on-site truck idling, the analysis assumes that each TRU accessing the site will also idle for a worst-case 15 minutes, even though the CARB's anti-idling rules mandate a 5-minute idling time. Based on CARB's *Staff Report: Initial Statement of Reasons for Proposed Rulemaking 2011 Amendments for TRUs* (August 2011), an average TRU with 34 horsepower and 0.53 load factor was utilized¹⁰. TRUs are also accounted for during on-site and off-site travel.

⁹ Proximity to sources of toxics is critical to determining the impact. In traffic-related studies, the additional non-cancer health risk attributable to proximity was seen within 1,000 feet and was strongest within 300 feet. California freeway studies show about a 70-percent drop-off in particulate pollution levels at 500 feet. Based on ARB and SCAQMD emissions and modeling analyses, an 80-percent drop-off in pollutant concentrations is expected at approximately 1,000 feet from a distribution center (16).

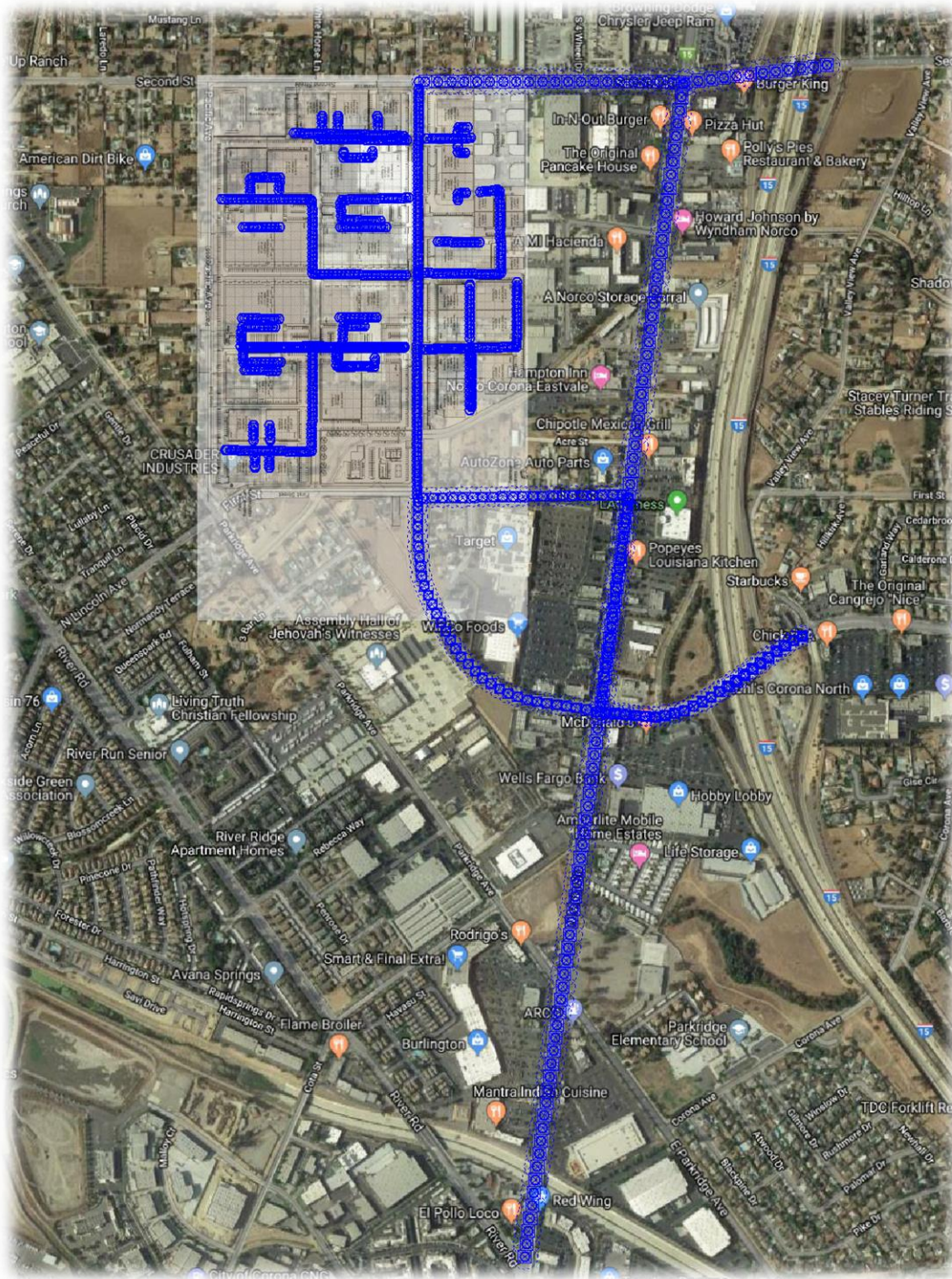
A 1,000-foot evaluation distance is supported by research-based findings concerning TAC emission dispersion rates from roadways and large sources showing that emissions diminish substantially between 500 and 1,000 feet from emission sources (16).

¹⁰ <http://www.arb.ca.gov/regact/2011/tru2011/truitor.pdf>

TABLE 2-4: DPM EMISSIONS FROM PROJECT TRUCKS (2022 ANALYSIS YEAR)

Truck Emission Rates						
Source	Trucks Per Day	VMT ^a (miles/day)	Truck Emission Rate ^b (grams/mile)	Truck Emission Rate ^b (grams/idle-hour)	Daily Truck Emissions ^c (grams/day)	Modeled Emission Rates (g/second)
On-Site Idling Building 1	9			0.1236	0.27	3.119E-06
On-Site Idling Building 3	9			0.1236	0.27	3.119E-06
On-Site Idling Building 2	9			0.1236	0.27	3.119E-06
On-Site Idling Building 4	9			0.1236	0.27	3.119E-06
On-Site Idling Building 5	27			0.1236	0.84	9.752E-06
On-Site Idling Building 8	16			0.1236	0.51	5.867E-06
On-Site Idling Building 7	55			0.1236	1.70	1.971E-05
On-Site Idling Building 6	55			0.1236	1.70	1.971E-05
On-Site Idling Building 9	15			0.1236	0.47	5.423E-06
On-Site Idling Building 10	10			0.1236	0.31	3.598E-06
On-Site Idling Building 11	20			0.1236	0.63	7.256E-06
On-Site Idling Building 12	21			0.1236	0.64	7.457E-06
On-Site Idling Building 13	47			0.1236	1.45	1.678E-05
On-Site Idling Building 14	50			0.1236	1.54	1.784E-05
On-Site Idling Building 15	14			0.1236	0.45	5.181E-06
On-Site Idling Building 16	14			0.1236	0.45	5.181E-06
On-Site Idling Building 17	12			0.1236	0.36	4.132E-06
On-Site Idling Building 18	8			0.1236	0.26	3.034E-06
On-Site Idling Buildings 19-21	29			0.1236	0.88	1.020E-05
On-Site Idling Buildings 22-25	35			0.1236	1.08	1.252E-05
On-Site Idling Building 26	14			0.1236	0.42	4.841E-06
On-Site Idling Building 33	8			0.1236	0.23	2.696E-06
On-Site Idling Building 34	8			0.1236	0.23	2.696E-06
On-Site Idling Building 35	11			0.1236	0.33	3.805E-06
On-Site Idling Buildings 27-32	16			0.1236	0.50	5.819E-06
On-Site Travel Buildings 1-4	70	24.26	0.0450		1.10	1.275E-05
On-Site Travel Building 5	55	14.21	0.0450		0.95	1.105E-05
On-Site Travel Building 6	110	30.13	0.0450		1.72	1.989E-05
On-Site Travel Building 7	110	35.81	0.0450		1.61	1.866E-05
On-Site Travel Buildings 8-9	63	20.52	0.0450		1.20	1.394E-05
On-Site Travel Buildings 10, 17, 18	60	8.43	0.0450		0.38	4.392E-06
On-Site Travel Buildings 11-12	82	12.08	0.0450		0.54	6.291E-06
On-Site Travel Building 13	94	12.75	0.0450		0.57	6.640E-06
On-Site Travel Building 14	100	15.94	0.0450		0.72	8.306E-06
On-Site Travel Buildings 15-16	58	6.43	0.0450		0.29	3.350E-06
On-Site Travel Buildings 19-21	57	7.52	0.0450		0.34	3.918E-06
On-Site Travel Buildings 33-35	51	2.94	0.0450		0.13	1.532E-06
On-Site Travel Buildings 22-25	70	13.71	0.0450		0.62	7.143E-06
On-Site Travel Buildings 26-32	60	13.81	0.0450		0.62	7.193E-06
Off-Site Travel 65% (site adjacent)	676	188.01	0.0193		3.72	4.303E-05
Off-Site Travel 35% (site adjacent)	364	83.84	0.0193		1.64	1.902E-05
Off-Site Travel 30% to I-15/2nd	312	163.02	0.0193		3.27	3.790E-05
Off-Site Travel 5% to Hamner Ave.	52	94.16	0.0193		2.81	3.247E-05
Off-Site Travel 15% First St. to Hidden Valley	156	130.10	0.0193		2.54	2.942E-05
Off-Site Adjacent Travel 50% south on Mountain	520	353.49	0.0193		6.90	7.985E-05
^a Vehicle miles traveled are for modeled truck route only.						
^b Emission rates determined using EMFAC 2017. Idle emission rates are expressed in grams per idle hour rather than grams per mile.						
^c This column includes the total truck travel and truck idle emissions. For idle emissions this column includes emissions based on the assumption that each truck idles for 15 minutes.						

EXHIBIT 2-C: MODELED EMISSION SOURCES



TRU emission rates were calculated based on the CARB Off-Road Airborne Toxic Control Measure rule compliance schedule requirements as set forth in Section 2477 *Airborne Toxic Control Measure for In-Use Diesel-Fueled Transport Refrigeration Units (TRU) and Facilities where TRUs Operate*¹¹. Pursuant to the rule, all TRU engines ≥ 25 horsepower are required to meet a minimum standard of 0.01 g/bhp-hr for PM by 2020¹².

The model offers additional flexibility by allowing the user to assign an initial release height and vertical dispersion parameters for mobile sources representative of a roadway. For this HRA, the roadways were modeled as adjacent volume sources. Roadways were modeled using the U.S. EPA's haul route methodology for modeling of on-site and off-site truck movement. More specifically, the Haul Road Volume Source Calculator in AERMOD View has been utilized to determine the release height parameters. The discrete modeling parameters are included in Appendix 2.2 of this report.

2.3 EXPOSURE QUANTIFICATION

The analysis herein has been conducted in accordance with the guidelines in the Health Risk Assessment Guidance for Analyzing Cancer Risks from Mobile Source Diesel Idling Emissions for CEQA Air Quality Analysis (1). SCAQMD recommends using the Environmental Protection Agency's (U.S. EPA's) AERMOD model. For purposes of this analysis, the model was used to calculate annual average particulate concentrations associated with site operations.

To determine contaminant impacts during construction hours, the model's "hour-of-day" (HROD) scalar option was invoked to predict ground-level concentrations for emissions generated during construction activities. Equipment emissions were modeled at the Project site utilizing AERMOD's polygon area source algorithm.

The model offers additional flexibility by allowing the user to assign an initial release height and vertical dispersion parameters for mobile sources representative of a roadway. For this HRA, the roadways were modeled as adjacent volume sources. Roadways were modeled using the U.S. EPA's haul route methodology for modeling of on-site and off-site truck movement. More specifically, the Haul Road Volume Source Calculator in Lakes AERMOD View has been utilized to determine the release height parameters. Based on the US EPA methodology, the Project's modeled sources would result in a release height of 3.49 meters, and an initial lateral dimension of 4.0 meters, and an initial vertical dimension of 3.25 meters.

SCAQMD required model parameters are presented in Table 2-5 (12). The model requires additional input parameters including emission data and local meteorology. Meteorological data from the SCAQMD's Riverside Airport monitoring station (SRA 23) was used to represent local weather conditions and prevailing winds (13). A wind rose exhibit of the Peris monitoring station is provided at Exhibit 2-D.

11 http://www.arb.ca.gov/diesel/tru/documents/fro_10-16-12.pdf

12 https://www3.arb.ca.gov/msprog/moyer/guidelines/draft_emission_factor_wrkshp.pdf

EXHIBIT 2-D: WIND ROSE (SRA 23)

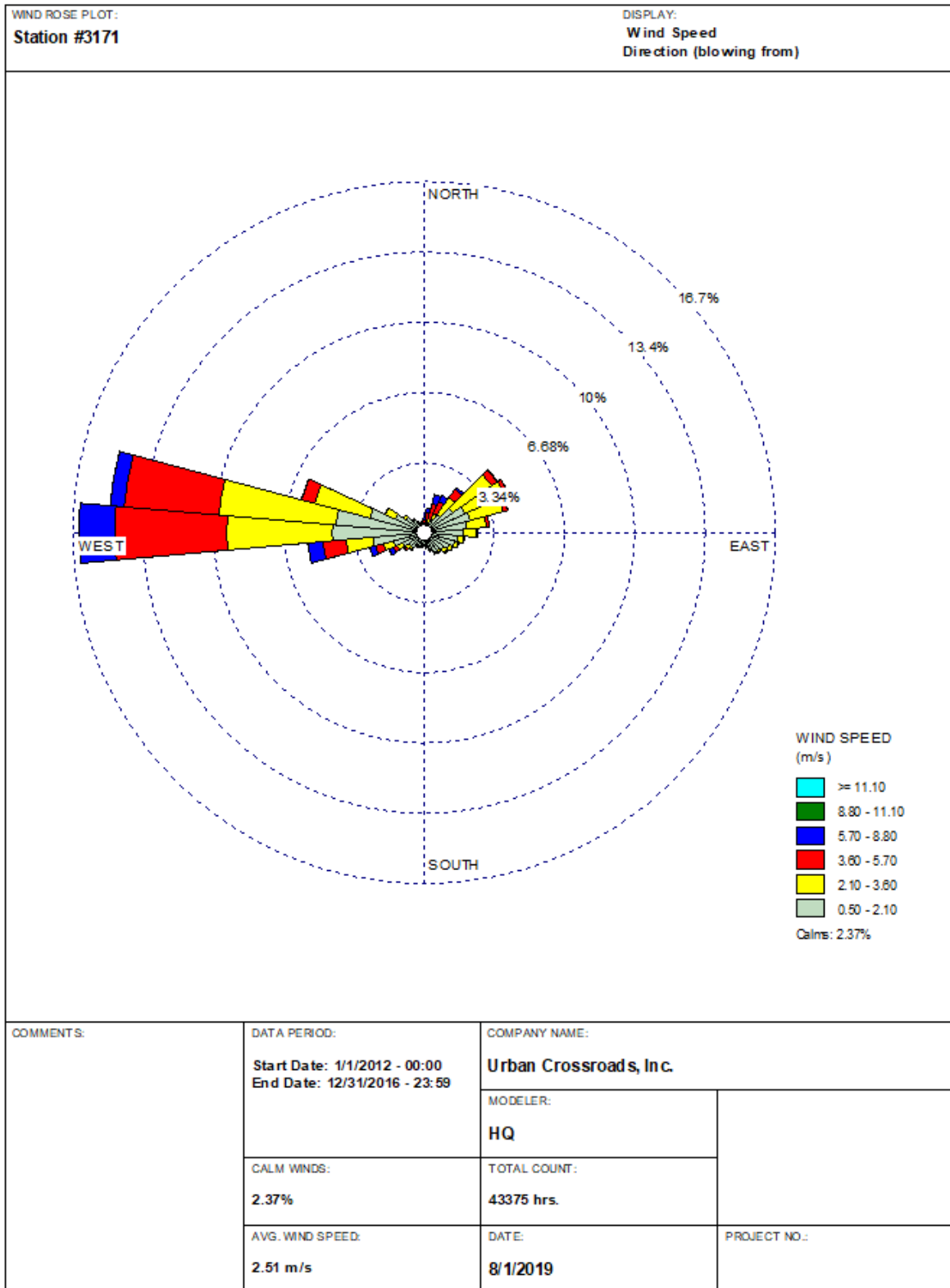


TABLE 2-5: AERMOD MODEL PARAMETERS

Dispersion Coefficient (Urban/Rural)	Urban
Terrain (Flat/Elevated)	Elevated (Regulatory Default)
Averaging Time	1 year (5-year Meteorological Data Set)
Receptor Height	0 meters (Regulatory Default)

Universal Transverse Mercator (UTM) coordinates for North American Datum (NAD) 83 were used to locate the project boundaries, each volume source location, and receptor locations in the project vicinity. The AERMOD dispersion model summary output files for the proposed facility are presented in Appendix 2.2.

Receptor locations were modeled and placed at discrete residential and non-residential locations for the applicable residential and non-residential scenarios. Additionally, based on recommendations from SCAQMD staff, a receptor grid with 100-meter spacing was placed at residential and worker locations in order to ensure that the maximum impacts are properly analyzed.

Receptors may be placed at applicable structure locations for residential and worker property and not necessarily the boundaries of these uses. It should be noted that the primary purpose of receptor placement is focused on long-term exposure. For example, the HRA evaluates the potential health risks to residential and worker over a period of 30 or 25 years of exposure respectively. As such, even though it is unlikely to occur in practical terms (because the amount of time spent indoors), this study assumes that a resident or worker would be exposed over a long-period of time for 12 or 24-hours per day at the structure they reside or work.

Furthermore, worker receptors immediately adjacent to the Project site have been evaluated in the HRA. Any impacts to workers located at schools, or non-school workers located further away from the Project site than the modeled worker receptors would have a lesser impact than what has already been disclosed in the HRA at the MEIW.

Discrete variants for daily breathing rates, exposure frequency, and exposure duration were obtained from relevant distribution profiles presented in the 2015 OEHHA Guidelines. Tables 2-6 through 2-8 summarize the Exposure Parameters for Construction Activity, Residents, Offsite Worker, and School scenarios based on 2015 OEHHA Guidelines. Appendix 2.4 includes the detailed risk calculations.

TABLE 2-6: EXPOSURE ASSUMPTIONS FOR INDIVIDUAL CANCER RISK (30 YEAR RESIDENTIAL)

Age	Daily Breathing Rate (L/kg-day)	Age Specific Factor	Exposure Duration (years)	Fraction of Time at Home	Exposure Frequency (days/year)	Exposure Time (hours/day)
-0.25 to 0	361	10	0.25	0.85	350	24
0 to 2	1090	10	2	0.85	350	24
2 to 16	745	3	14	0.72	350	24
16 to 30	335	1	14	0.73	350	24

TABLE 2-7: EXPOSURE ASSUMPTIONS FOR INDIVIDUAL CANCER RISK (25 YEAR WORKER)

Age	Daily Breathing Rate (L/kg-day)	Age Specific Factor	Exposure Duration (years)	Exposure Frequency (days/year)	Exposure Time (hours/day)
16 to 41	271	1	25	250	12

TABLE 2-8: EXPOSURE ASSUMPTIONS FOR INDIVIDUAL CANCER RISK (9 YEAR SCHOOL CHILD)

Age	Daily Breathing Rate (L/kg-day)	Age Specific Factor	Exposure Duration (years)	Exposure Frequency (days/year) ^a	Exposure Time (hours/day)
4 to 13	572	3	9	180	12
^a To represent the unique characteristics of the school-based population, the assessment employed the U.S. Environmental Protection Agency's guidance to develop viable dose estimates based on reasonable maximum exposures (RME). RME's are defined as the "highest exposure that is reasonably expected to occur" for a given receptor population. As a result, lifetime risk values for the student population were adjusted to account for an exposure duration of 180 days per year for nine (9) years. The 9 year exposure duration is also consistent with OEHHA Recommendations and consistent with the exposure duration utilized in school-based risk assessments for various schools within the Los Angeles County Unified School District (LAUSD) that have been accepted by the SCAQMD.					

2.4 CARCINOGENIC CHEMICAL RISK

The SCAQMD CEQA Air Quality Handbook (1993) states that emissions of toxic air contaminants (TACs) are considered significant if a HRA shows an increased risk of greater than 10 in one million. Based on guidance from the SCAQMD in the document Health Risk Assessment Guidance for Analyzing Cancer Risks from Mobile Source Diesel Idling Emissions for CEQA Air Quality Analysis (1), for purposes of this analysis, 10 in one million is used as the cancer risk threshold for the proposed Project.

Excess cancer risks are estimated as the upper-bound incremental probability that an individual will develop cancer over a lifetime as a direct result of exposure to potential carcinogens over a specified exposure duration. The estimated risk is expressed as a unitless probability. The cancer

risk attributed to a chemical is calculated by multiplying the chemical intake or dose at the human exchange boundaries (e.g., lungs) by the chemical-specific cancer potency factor (CPF). A risk level of 10 in one million implies a likelihood that up to 10 people, out of one million equally exposed people would contract cancer if exposed continuously (24 hours per day) to the levels of toxic air contaminants over a specified duration of time. To put this risk in perspective, sample causes of death in the United States as well as the estimated risk of developing cancer from the Project or in the South Coast Air Basin (as previously shown) on Exhibit 1-A. As an example, the risk of dying from accidental drowning is 1,000 in a million which is 100 times more than the SCAQMD's threshold of 10 in one million, the nearest comparison to 10 in one million is the 7 in one million lifetime chance that an individual would be struck by lightning.

Guidance from ARB and the California Environmental Protection Agency, Office of Environmental Health Hazard Assessment (OEHHA) recommends a refinement to the standard point estimate approach when alternate human body weights and breathing rates are utilized to assess risk for susceptible subpopulations such as children. For the inhalation pathway, the procedure requires the incorporation of several discrete variates to effectively quantify dose. Once determined, contaminant dose is multiplied by the cancer potency factor (CPF) in units of inverse dose expressed in milligrams per kilogram per day (mg/kg/day)-1 to derive the cancer risk estimate. Therefore, to assess exposures, the following dose algorithm was utilized.

$$DOSE_{air} = (C_{air} \times [BR/BW] \times A \times EF) \times (1 \times 10^{-6})$$

Where:

DOSE _{air}	=	chronic daily intake (mg/kg/day)
C _{air}	=	concentration of contaminant in air (ug/m ³)
[BR/BW] BW-day)	=	daily breathing rate normalized to body weight (L/kg
A	=	inhalation absorption factor
EF	=	exposure frequency (days/365 days)
BW	=	body weight (kg)
1 x 10 ⁻⁶	=	conversion factors (ug to mg, L to m ³)

$$RISK_{air} = DOSE_{air} \times CPF \times ED/AT$$

Where:

DOSE _{air}	=	chronic daily intake (mg/kg/day)
CPF	=	cancer potency factor
ED	=	number of years within particular age group
AT	=	averaging time

2.5 NON-CARCINOGENIC EXPOSURES

An evaluation of the potential noncarcinogenic effects of chronic exposures was also conducted. Adverse health effects are evaluated by comparing a compound's annual concentration with its toxicity factor or Reference Exposure Level (REL). The REL for diesel particulates was obtained from OEHHHA for this analysis. The chronic reference exposure level (REL) for DPM was established by OEHHHA as $5 \mu\text{g}/\text{m}^3$ (OEHHHA Toxicity Criteria Database, <http://www.oehha.org/risk/chemicaldb/index.asp>).

The non-cancer hazard index was calculated (consistent with SCAQMD methodology) as follows:

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

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

Where:

- HI_{DPM} = Hazard Index; an expression of the potential for non-cancer health effects.
- C_{DPM} = Annual average DPM concentration ($\mu\text{g}/\text{m}^3$).
- REL_{DPM} = Reference exposure level (REL) for DPM; the DPM concentration at which no adverse health effects are anticipated.

2.6 POTENTIAL PROJECT-RELATED DPM SOURCE CANCER AND NON-CANCER RISKS¹³

CONSTRUCTION IMPACTS

The land use with the greatest potential exposure to Project construction DPM source emissions is located approximately 61 feet east of the Project site at existing residential homes on the east side of Mountain Avenue. At the maximally exposed individual receptor (MEIR), the maximum incremental cancer risk attributable to Project construction DPM source emissions is estimated at 1.62 in one million, which is less than the threshold of 10 in one million. At this same location, non-cancer risks were estimated to be 0.0002, which would not exceed the applicable threshold of 1.0. As such, the Project will not cause a significant human health or cancer risk to adjacent land uses as a result of Project construction activity. All other modeled residential locations in the vicinity of the Project would be exposed to less emissions and therefore less risk than the MEIR identified herein¹⁴.

¹³ SCAQMD guidance does not require assessment of the potential health risk to on-site workers. Excerpts from the document OEHHHA Air Toxics Hot Spots Program Risk Assessment Guidelines—The Air Toxics Hot Spots Program Guidance Manual for Preparation of Health Risk Assessments (OEHHHA 2003), also indicate that it is not necessary to examine the health effects to on-site workers unless required by RCRA (Resource Conservation and Recovery Act) / CERCLA (Comprehensive Environmental Response, Compensation, and Liability Act) or the worker resides on-site.

¹⁴ Proximity to sources of toxics is critical to determining the impact. In traffic-related studies, the additional health risk attributable to proximity was seen within 1,000 feet and was strongest within 300 feet. California freeway studies show about a 70-percent drop-off in particulate pollution levels at 500 feet. Based on CARB and SCAQMD emissions and modeling analyses, an 80-percent drop-off in pollutant concentrations is expected at approximately 1,000 feet from a distribution center (1).

OPERATIONAL IMPACTS

Residential Exposure Scenario:

The residential land use with the greatest potential exposure to Project DPM source emissions is an existing residential home located approximately 60 feet east of the Project site, on the east side of Mountain Avenue. to the Project. At the maximally exposed individual receptor (MEIR¹⁵), the maximum incremental cancer risk attributable to Project DPM source emissions is calculated at 6.33 in one million, which is less than the SCAQMD threshold of 10 in one million. At this same location, non-cancer risks were calculated to be 0.002, which would not exceed the applicable threshold of 1.0. As such, the Project will not cause a significant human health or cancer risk to adjacent residences. Exhibit 2-E illustrates the nearest modeled residential receptors and the MEIR.

Worker Exposure Scenario:

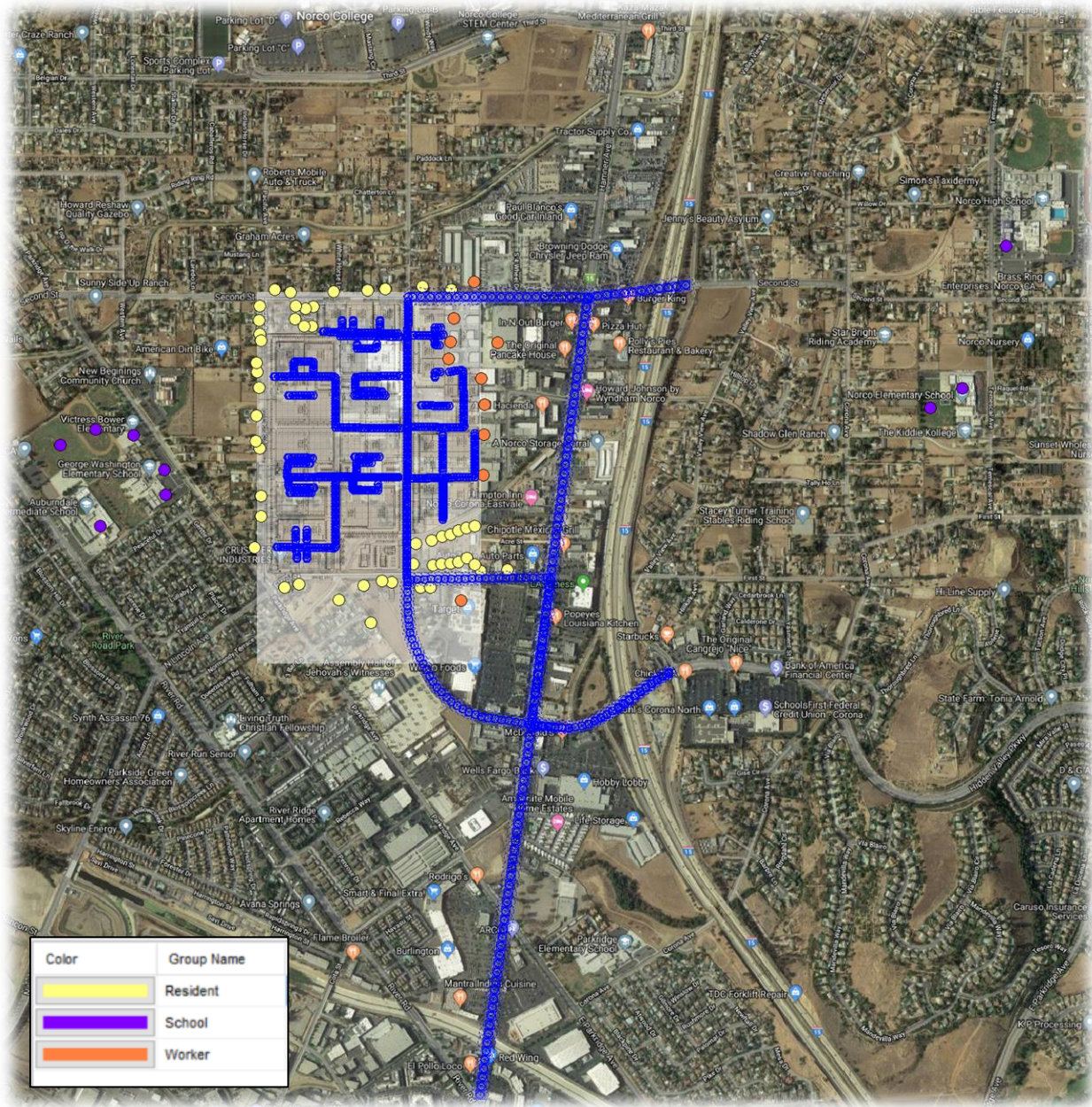
The worker receptor land use with the greatest potential exposure to Project DPM source emissions is located immediately adjacent to the east of the Project site on the east side of Mountain Avenue. At the maximally exposed worker (MEIW), the maximum incremental cancer risk impact at this location is 0.47 in one million which is less than the threshold of 10 in one million. At this same location, non-cancer risks were calculated to be 0.001, which would not exceed the applicable threshold of 1.0. As such, the Project will not cause a significant human health or cancer risk to adjacent workers. Exhibit 2-E illustrates the nearest modeled worker receptors and the MEIW.

School Child Exposure Scenario:

The school site land use with the greatest potential exposure to Project DPM source emissions is located at the George Washington Elementary School at 1220 West Parkridge Avenue in the City of Norco which is located approximately 700 feet west of the Project site. It should be noted that the George Washington Elementary School is estimated to have the greatest potential exposure to DPM emissions due to truck travel patterns and meteorological conditions. It should also be noted that there are no other schools are located closer than George Washington Elementary School to the Project site. As such, there may be other schools located more than a greater distance from the Project; however, any impacts at other schools would be less than what has been disclosed for the George Washington Elementary School. At the maximally exposed individual school child (MEISC), the maximum incremental cancer risk impact at this location is 0.28 in one million which is less than the threshold of 10 in one million. Maximum non-cancer risks at this same location were estimated to be 0.0003 which would not exceed the applicable threshold of 1.0. As such, the Project will not cause a significant human health or cancer risk to any school children. Exhibit 2-E illustrates the nearest modeled school receptors and the MEISC.

¹⁵ The MEIR is representative of the maximum impact at any individual residence, impacts at homes other than the MEIR would be less than or equal to the impact at the MEIR.

EXHIBIT 2-E: NEAREST MODELED RESIDENTIAL RECEPTORS



3 REFERENCES

1. **South Coast Air Quality Management District.** Mobile Source Toxics Analysis. [Online] 2003.
http://www.aqmd.gov/ceqa/handbook/mobile_toxic/mobile_toxic.html.
2. **Goss, Tracy A and Kroeger, Amy.** White Paper on Potential Control Strategies to Address Cumulative Impacts from Air Pollution. [Online] South Coast Air Quality Management District, 2003.
http://www.aqmd.gov/rules/ciwg/final_white_paper.pdf.
3. **Urban Crossroads, Inc.** *Palomino Business Park Traffic Impact Analysis*. 2019.
4. **Ralph Propper, Patrick Wong, Son Bui, Jeff Austin, William Vance, Alvaro Alvarado, Bart Croes, and Dongmin Luo.** Ambient and Emission Trends of Toxic Air Contaminants in California. *American Chemical Society: Environmental Science & Technology*. 2015.
5. **Air Resources Board.** ARB's Drayage Truck Regulatory Activities. [Online]
<http://www.arb.ca.gov/msprog/onroad/porttruck/porttruck.htm>.
6. —. Truck and Bus Regulation. *On-Road Heavy-Duty Diesel Vehicles (In-Use) Regulation*. [Online]
<http://www.arb.ca.gov/msprog/onrdiesel/onrdiesel.htm>.
7. **The Port of Los Angeles.** Clean Truck Program. [Online]
http://www.portoflosangeles.org/ctp/idx_ctp.asp.
8. **South Coast Air Quality Management District.** Multiple Air Toxics Exposure Study III Model Estimated Carcinogenic Risk. [Online] 2012.
<http://www3.aqmd.gov/webappl/OI.Web/OI.aspx?jurisdictionID=AQMD.gov&shareID=73f55d6b-82cc-4c41-b779-4c48c9a8b15b>.
9. **Urban Crossroads, Inc.** *Goodman Industrial Park Fontana III Air Quality Impact Analysis*. 2019.
10. **California Department of Transportation.** EMFAC Software. [Online]
<http://www.dot.ca.gov/hq/env/air/pages/emfac.htm>.
11. **Wong, Jillian.** *Planning, Rule Development & Area Sources*. January 2017.
12. **Environmental Protection Agency.** User's Guide for the AMS/EPA Regulatory Model - AERMOD. [Online] September 2004. <http://www.epa.gov/scram001/7thconf/aermod/aermodugb.pdf>.
13. **South Coast Air Quality Management District.** *Air Quality Reporting*. [pdf] Diamond Bar : Sierra Wade Associates, 1999.
14. **Air Resources Board.** *Air Quality and Land Use Handbook: A Community Health Perspective*. 2005.

This page intentionally left blank

4 CERTIFICATION

The contents of this health risk assessment represent an accurate depiction of the impacts to sensitive receptors associated with the proposed Palomino Business Park Project. The information contained in this health risk assessment report is based on the best available data at the time of preparation. If you have any questions, please contact me directly at (949) 336-5987.

Haseeb Qureshi
Associate Principal
URBAN CROSSROADS, INC.
260 E. Baker St., Suite 200
Costa Mesa, CA 92626
(949) 336-5987
hqureshi@urbanxroads.com

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

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

This page intentionally left blank

APPENDIX 2.1:

CALEEMOD OUTPUTS

Palomino Business Park (Construction - Mitigated) - Riverside-South Coast County, Summer

Palomino Business Park (Construction - Mitigated)**Riverside-South Coast County, Summer****1.0 Project Characteristics****1.1 Land Usage**

Land Uses	Size	Metric	Lot Acreage	Floor Surface Area	Population
Industrial Park	1,426.46	1000sqft	32.75	1,426,460.00	0
Refrigerated Warehouse-No Rail	602.13	1000sqft	13.82	602,130.00	0
Other Asphalt Surfaces	46.25	Acre	46.25	2,014,686.40	0
Parking Lot	2,083.00	Space	19.13	833,200.00	0
Fast Food Restaurant w/o Drive Thru	6.52	1000sqft	0.15	6,520.00	0
Fast Food Restaurant with Drive Thru	4.28	1000sqft	0.10	4,275.00	0
Convenience Market With Gas Pumps	12.00	Pump	0.09	4,095.00	0
Regional Shopping Center	6.52	1000sqft	0.15	6,520.00	0

1.2 Other Project Characteristics

Urbanization	Urban	Wind Speed (m/s)	2.4	Precipitation Freq (Days)	28
Climate Zone	10			Operational Year	2022
Utility Company	Southern California Edison				
CO2 Intensity (lb/MW hr)	702.44	CH4 Intensity (lb/MW hr)	0.029	N2O Intensity (lb/MW hr)	0.006

1.3 User Entered Comments & Non-Default Data

Palomino Business Park (Construction - Mitigated) - Riverside-South Coast County, Summer

Project Characteristics -

Land Use - Total Project Area is 112.44 acres.

Construction Phase - Construction Schedule adjusted to meet the 2022 opening year.

Off-road Equipment - Construction Equipment based on similar projects.

Off-road Equipment - Construction Equipment based on similar projects.

Off-road Equipment - Construction Equipment based on similar projects.

Off-road Equipment - Construction Equipment based on similar projects.

Off-road Equipment -

Off-road Equipment - Construction Equipment based on similar projects.

Demolition -

Grading - For analytical purposes, it will be assumed that a Total of 3.5 acres per day will be disturbed during site preparation and 8 acres per day will be disturbed during grading.

Architectural Coating - Rule 1113

Vehicle Trips - Construction Run Only.

Energy Use - Construction Run Only.

Water And Wastewater - Construction Run Only.

Solid Waste - Construction Run Only.

Construction Off-road Equipment Mitigation - All equipment operating at >150 HP are required to be equipped with Tier 4 Final or better engines. Increase watering to 4 times per day.

Vehicle Emission Factors - EMFAC2017

Vehicle Emission Factors - EMFAC2017

Vehicle Emission Factors - EMFAC2017

Table Name	Column Name	Default Value	New Value
tblArchitecturalCoating	EF_Nonresidential_Exterior	100.00	50.00
tblArchitecturalCoating	EF_Nonresidential_Interior	100.00	50.00
tblArchitecturalCoating	EF_Parking	100.00	50.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	2.00

Palomino Business Park (Construction - Mitigated) - Riverside-South Coast County, Summer

tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	4.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	4.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	4.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	9.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	4.00
tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstructionPhase	NumDays	200.00	40.00
tblConstructionPhase	NumDays	120.00	80.00
tblConstructionPhase	NumDays	310.00	80.00
tblConstructionPhase	NumDays	3,100.00	300.00
tblConstructionPhase	NumDays	220.00	200.00
tblConstructionPhase	NumDays	220.00	40.00
tblEnergyUse	LightingElect	5.61	0.00
tblEnergyUse	LightingElect	6.62	0.00
tblEnergyUse	LightingElect	6.62	0.00
tblEnergyUse	LightingElect	3.66	0.00
tblEnergyUse	LightingElect	0.35	0.00
tblEnergyUse	LightingElect	2.37	0.00
tblEnergyUse	LightingElect	5.61	0.00
tblEnergyUse	NT24E	2.44	0.00
tblEnergyUse	NT24E	28.48	0.00
tblEnergyUse	NT24E	28.48	0.00

Palomino Business Park (Construction - Mitigated) - Riverside-South Coast County, Summer

tblEnergyUse	NT24E	2.79	0.00
tblEnergyUse	NT24E	36.52	0.00
tblEnergyUse	NT24E	2.44	0.00
tblEnergyUse	NT24NG	0.30	0.00
tblEnergyUse	NT24NG	195.77	0.00
tblEnergyUse	NT24NG	195.77	0.00
tblEnergyUse	NT24NG	48.51	0.00
tblEnergyUse	NT24NG	0.30	0.00
tblEnergyUse	T24E	4.58	0.00
tblEnergyUse	T24E	12.38	0.00
tblEnergyUse	T24E	12.38	0.00
tblEnergyUse	T24E	3.07	0.00
tblEnergyUse	T24E	1.06	0.00
tblEnergyUse	T24E	4.58	0.00
tblEnergyUse	T24NG	1.92	0.00
tblEnergyUse	T24NG	77.67	0.00
tblEnergyUse	T24NG	77.67	0.00
tblEnergyUse	T24NG	3.47	0.00
tblEnergyUse	T24NG	3.25	0.00
tblEnergyUse	T24NG	1.92	0.00
tblGrading	AcresOfGrading	480.00	640.00
tblGrading	AcresOfGrading	160.00	280.00
tblGrading	MaterialImported	0.00	55,160.00
tblLandUse	LandUseSquareFeet	2,014,650.00	2,014,686.40
tblLandUse	LandUseSquareFeet	1,694.10	4,095.00
tblLandUse	LotAcreage	18.75	19.13
tblLandUse	LotAcreage	0.04	0.09

Palomino Business Park (Construction - Mitigated) - Riverside-South Coast County, Summer

tblOffRoadEquipment	OffRoadEquipmentUnitAmount	3.00	2.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	4.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	4.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	4.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	2.00	4.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	2.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	2.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	2.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	3.00
tblOffRoadEquipment	UsageHours	6.00	8.00
tblOffRoadEquipment	UsageHours	7.00	8.00
tblOffRoadEquipment	UsageHours	7.00	8.00
tblSolidWaste	SolidWasteGenerationRate	75.10	0.00
tblSolidWaste	SolidWasteGenerationRate	49.30	0.00
tblSolidWaste	SolidWasteGenerationRate	1,768.81	0.00
tblSolidWaste	SolidWasteGenerationRate	566.00	0.00
tblSolidWaste	SolidWasteGenerationRate	6.85	0.00
tblVehicleEF	HHD	1.36	0.30
tblVehicleEF	HHD	0.03	1.9120e-003
tblVehicleEF	HHD	0.09	0.00
tblVehicleEF	HHD	3.11	90.32
tblVehicleEF	HHD	0.45	0.21
tblVehicleEF	HHD	1.41	2.7310e-003
tblVehicleEF	HHD	6,423.61	16,229.58
tblVehicleEF	HHD	1,444.51	1,307.27
tblVehicleEF	HHD	4.59	0.02
tblVehicleEF	HHD	24.87	83.39

Palomino Business Park (Construction - Mitigated) - Riverside-South Coast County, Summer

tblVehicleEF	HHD	2.31	2.57
tblVehicleEF	HHD	0.01	0.04
tblVehicleEF	HHD	0.06	0.06
tblVehicleEF	HHD	0.04	0.04
tblVehicleEF	HHD	0.01	0.03
tblVehicleEF	HHD	3.7000e-005	0.00
tblVehicleEF	HHD	0.01	0.04
tblVehicleEF	HHD	0.03	0.03
tblVehicleEF	HHD	8.8650e-003	8.8670e-003
tblVehicleEF	HHD	0.01	0.03
tblVehicleEF	HHD	3.4000e-005	0.00
tblVehicleEF	HHD	7.3000e-005	1.9000e-005
tblVehicleEF	HHD	2.3460e-003	6.0000e-005
tblVehicleEF	HHD	0.80	6.49
tblVehicleEF	HHD	4.3000e-005	1.1000e-005
tblVehicleEF	HHD	0.06	0.04
tblVehicleEF	HHD	1.5800e-004	2.7500e-004
tblVehicleEF	HHD	0.04	1.0000e-006
tblVehicleEF	HHD	0.06	0.15
tblVehicleEF	HHD	0.01	0.01
tblVehicleEF	HHD	6.9000e-005	0.00
tblVehicleEF	HHD	7.3000e-005	1.9000e-005
tblVehicleEF	HHD	2.3460e-003	6.0000e-005
tblVehicleEF	HHD	0.92	7.39
tblVehicleEF	HHD	4.3000e-005	1.1000e-005
tblVehicleEF	HHD	0.10	0.05
tblVehicleEF	HHD	1.5800e-004	2.7500e-004

Palomino Business Park (Construction - Mitigated) - Riverside-South Coast County, Summer

tblVehicleEF	HHD	0.04	1.0000e-006
tblVehicleEF	HHD	1.28	0.32
tblVehicleEF	HHD	0.03	1.9130e-003
tblVehicleEF	HHD	0.09	0.00
tblVehicleEF	HHD	2.26	88.63
tblVehicleEF	HHD	0.45	0.21
tblVehicleEF	HHD	1.34	2.5850e-003
tblVehicleEF	HHD	6,805.04	16,128.04
tblVehicleEF	HHD	1,444.51	1,307.27
tblVehicleEF	HHD	4.59	0.02
tblVehicleEF	HHD	25.67	80.33
tblVehicleEF	HHD	2.18	2.42
tblVehicleEF	HHD	9.3550e-003	0.03
tblVehicleEF	HHD	0.06	0.06
tblVehicleEF	HHD	0.04	0.04
tblVehicleEF	HHD	0.01	0.03
tblVehicleEF	HHD	3.7000e-005	0.00
tblVehicleEF	HHD	8.9510e-003	0.03
tblVehicleEF	HHD	0.03	0.03
tblVehicleEF	HHD	8.8650e-003	8.8670e-003
tblVehicleEF	HHD	0.01	0.03
tblVehicleEF	HHD	3.4000e-005	0.00
tblVehicleEF	HHD	1.3900e-004	3.6000e-005
tblVehicleEF	HHD	2.6650e-003	6.7000e-005
tblVehicleEF	HHD	0.75	6.82
tblVehicleEF	HHD	8.2000e-005	2.4000e-005
tblVehicleEF	HHD	0.06	0.04

Palomino Business Park (Construction - Mitigated) - Riverside-South Coast County, Summer

tblVehicleEF	HHD	1.6100e-004	2.7900e-004
tblVehicleEF	HHD	0.04	1.0000e-006
tblVehicleEF	HHD	0.06	0.15
tblVehicleEF	HHD	0.01	0.01
tblVehicleEF	HHD	6.8000e-005	0.00
tblVehicleEF	HHD	1.3900e-004	3.6000e-005
tblVehicleEF	HHD	2.6650e-003	6.7000e-005
tblVehicleEF	HHD	0.87	7.76
tblVehicleEF	HHD	8.2000e-005	2.4000e-005
tblVehicleEF	HHD	0.10	0.05
tblVehicleEF	HHD	1.6100e-004	2.7900e-004
tblVehicleEF	HHD	0.04	1.0000e-006
tblVehicleEF	HHD	1.46	0.28
tblVehicleEF	HHD	0.03	1.9120e-003
tblVehicleEF	HHD	0.09	0.00
tblVehicleEF	HHD	4.28	92.66
tblVehicleEF	HHD	0.44	0.21
tblVehicleEF	HHD	1.42	2.7200e-003
tblVehicleEF	HHD	5,896.87	16,369.80
tblVehicleEF	HHD	1,444.51	1,307.27
tblVehicleEF	HHD	4.59	0.02
tblVehicleEF	HHD	23.77	87.62
tblVehicleEF	HHD	2.30	2.55
tblVehicleEF	HHD	0.01	0.04
tblVehicleEF	HHD	0.06	0.06
tblVehicleEF	HHD	0.04	0.04
tblVehicleEF	HHD	0.01	0.03

Palomino Business Park (Construction - Mitigated) - Riverside-South Coast County, Summer

tblVehicleEF	HHD	3.7000e-005	0.00
tblVehicleEF	HHD	0.01	0.04
tblVehicleEF	HHD	0.03	0.03
tblVehicleEF	HHD	8.8650e-003	8.8670e-003
tblVehicleEF	HHD	0.01	0.03
tblVehicleEF	HHD	3.4000e-005	0.00
tblVehicleEF	HHD	5.5000e-005	1.8000e-005
tblVehicleEF	HHD	2.4470e-003	6.7000e-005
tblVehicleEF	HHD	0.86	6.04
tblVehicleEF	HHD	3.6000e-005	1.2000e-005
tblVehicleEF	HHD	0.06	0.04
tblVehicleEF	HHD	1.6900e-004	2.9200e-004
tblVehicleEF	HHD	0.04	1.0000e-006
tblVehicleEF	HHD	0.06	0.15
tblVehicleEF	HHD	0.01	0.01
tblVehicleEF	HHD	6.9000e-005	0.00
tblVehicleEF	HHD	5.5000e-005	1.8000e-005
tblVehicleEF	HHD	2.4470e-003	6.7000e-005
tblVehicleEF	HHD	0.99	6.88
tblVehicleEF	HHD	3.6000e-005	1.2000e-005
tblVehicleEF	HHD	0.10	0.05
tblVehicleEF	HHD	1.6900e-004	2.9200e-004
tblVehicleEF	HHD	0.04	1.0000e-006
tblVehicleEF	LDA	3.6620e-003	2.2030e-003
tblVehicleEF	LDA	4.7760e-003	0.05
tblVehicleEF	LDA	0.54	0.62
tblVehicleEF	LDA	1.05	2.06

Palomino Business Park (Construction - Mitigated) - Riverside-South Coast County, Summer

tblVehicleEF	LDA	245.52	262.33
tblVehicleEF	LDA	56.65	53.14
tblVehicleEF	LDA	0.05	0.04
tblVehicleEF	LDA	1.5830e-003	1.3940e-003
tblVehicleEF	LDA	2.2500e-003	1.8330e-003
tblVehicleEF	LDA	1.4580e-003	1.2840e-003
tblVehicleEF	LDA	2.0690e-003	1.6850e-003
tblVehicleEF	LDA	0.05	0.29
tblVehicleEF	LDA	0.10	0.10
tblVehicleEF	LDA	0.04	0.22
tblVehicleEF	LDA	9.2080e-003	8.3250e-003
tblVehicleEF	LDA	0.04	0.20
tblVehicleEF	LDA	0.06	0.21
tblVehicleEF	LDA	2.4580e-003	2.5950e-003
tblVehicleEF	LDA	5.8400e-004	5.2600e-004
tblVehicleEF	LDA	0.05	0.29
tblVehicleEF	LDA	0.10	0.10
tblVehicleEF	LDA	0.04	0.22
tblVehicleEF	LDA	0.01	0.01
tblVehicleEF	LDA	0.04	0.20
tblVehicleEF	LDA	0.07	0.23
tblVehicleEF	LDA	4.1530e-003	2.5100e-003
tblVehicleEF	LDA	4.1450e-003	0.04
tblVehicleEF	LDA	0.66	0.76
tblVehicleEF	LDA	0.93	1.82
tblVehicleEF	LDA	267.36	285.24
tblVehicleEF	LDA	56.65	52.67

Palomino Business Park (Construction - Mitigated) - Riverside-South Coast County, Summer

tblVehicleEF	LDA	0.04	0.03
tblVehicleEF	LDA	1.5830e-003	1.3940e-003
tblVehicleEF	LDA	2.2500e-003	1.8330e-003
tblVehicleEF	LDA	1.4580e-003	1.2840e-003
tblVehicleEF	LDA	2.0690e-003	1.6850e-003
tblVehicleEF	LDA	0.09	0.56
tblVehicleEF	LDA	0.11	0.11
tblVehicleEF	LDA	0.07	0.42
tblVehicleEF	LDA	0.01	9.4080e-003
tblVehicleEF	LDA	0.04	0.20
tblVehicleEF	LDA	0.06	0.18
tblVehicleEF	LDA	2.6780e-003	2.8220e-003
tblVehicleEF	LDA	5.8200e-004	5.2100e-004
tblVehicleEF	LDA	0.09	0.56
tblVehicleEF	LDA	0.11	0.11
tblVehicleEF	LDA	0.07	0.42
tblVehicleEF	LDA	0.02	0.01
tblVehicleEF	LDA	0.04	0.20
tblVehicleEF	LDA	0.06	0.20
tblVehicleEF	LDA	3.5320e-003	2.1260e-003
tblVehicleEF	LDA	4.9050e-003	0.05
tblVehicleEF	LDA	0.51	0.58
tblVehicleEF	LDA	1.08	2.10
tblVehicleEF	LDA	239.46	256.04
tblVehicleEF	LDA	56.65	53.22
tblVehicleEF	LDA	0.04	0.03
tblVehicleEF	LDA	1.5830e-003	1.3940e-003

Palomino Business Park (Construction - Mitigated) - Riverside-South Coast County, Summer

tblVehicleEF	LDA	2.2500e-003	1.8330e-003
tblVehicleEF	LDA	1.4580e-003	1.2840e-003
tblVehicleEF	LDA	2.0690e-003	1.6850e-003
tblVehicleEF	LDA	0.04	0.24
tblVehicleEF	LDA	0.10	0.10
tblVehicleEF	LDA	0.03	0.19
tblVehicleEF	LDA	8.8850e-003	8.0390e-003
tblVehicleEF	LDA	0.04	0.23
tblVehicleEF	LDA	0.07	0.21
tblVehicleEF	LDA	2.3970e-003	2.5330e-003
tblVehicleEF	LDA	5.8500e-004	5.2700e-004
tblVehicleEF	LDA	0.04	0.24
tblVehicleEF	LDA	0.10	0.10
tblVehicleEF	LDA	0.03	0.19
tblVehicleEF	LDA	0.01	0.01
tblVehicleEF	LDA	0.04	0.23
tblVehicleEF	LDA	0.07	0.23
tblVehicleEF	LDT1	0.01	6.9830e-003
tblVehicleEF	LDT1	0.02	0.08
tblVehicleEF	LDT1	1.32	1.44
tblVehicleEF	LDT1	3.05	2.33
tblVehicleEF	LDT1	305.87	310.07
tblVehicleEF	LDT1	70.39	64.70
tblVehicleEF	LDT1	0.13	0.13
tblVehicleEF	LDT1	2.3960e-003	2.1060e-003
tblVehicleEF	LDT1	3.5150e-003	2.7270e-003
tblVehicleEF	LDT1	2.2060e-003	1.9390e-003

Palomino Business Park (Construction - Mitigated) - Riverside-South Coast County, Summer

tblVehicleEF	LDT1	3.2320e-003	2.5080e-003
tblVehicleEF	LDT1	0.20	0.93
tblVehicleEF	LDT1	0.32	0.25
tblVehicleEF	LDT1	0.13	0.63
tblVehicleEF	LDT1	0.03	0.03
tblVehicleEF	LDT1	0.19	0.80
tblVehicleEF	LDT1	0.21	0.39
tblVehicleEF	LDT1	3.0750e-003	3.0680e-003
tblVehicleEF	LDT1	7.5800e-004	6.4000e-004
tblVehicleEF	LDT1	0.20	0.93
tblVehicleEF	LDT1	0.32	0.25
tblVehicleEF	LDT1	0.13	0.63
tblVehicleEF	LDT1	0.04	0.04
tblVehicleEF	LDT1	0.19	0.80
tblVehicleEF	LDT1	0.23	0.43
tblVehicleEF	LDT1	0.01	7.8910e-003
tblVehicleEF	LDT1	0.01	0.07
tblVehicleEF	LDT1	1.59	1.75
tblVehicleEF	LDT1	2.68	2.07
tblVehicleEF	LDT1	332.27	334.21
tblVehicleEF	LDT1	70.39	64.11
tblVehicleEF	LDT1	0.12	0.12
tblVehicleEF	LDT1	2.3960e-003	2.1060e-003
tblVehicleEF	LDT1	3.5150e-003	2.7270e-003
tblVehicleEF	LDT1	2.2060e-003	1.9390e-003
tblVehicleEF	LDT1	3.2320e-003	2.5080e-003
tblVehicleEF	LDT1	0.38	1.80

Palomino Business Park (Construction - Mitigated) - Riverside-South Coast County, Summer

tblVehicleEF	LDT1	0.40	0.31
tblVehicleEF	LDT1	0.25	1.20
tblVehicleEF	LDT1	0.03	0.03
tblVehicleEF	LDT1	0.19	0.80
tblVehicleEF	LDT1	0.18	0.34
tblVehicleEF	LDT1	3.3430e-003	3.3070e-003
tblVehicleEF	LDT1	7.5100e-004	6.3400e-004
tblVehicleEF	LDT1	0.38	1.80
tblVehicleEF	LDT1	0.40	0.31
tblVehicleEF	LDT1	0.25	1.20
tblVehicleEF	LDT1	0.04	0.05
tblVehicleEF	LDT1	0.19	0.80
tblVehicleEF	LDT1	0.20	0.38
tblVehicleEF	LDT1	0.01	6.7160e-003
tblVehicleEF	LDT1	0.02	0.08
tblVehicleEF	LDT1	1.24	1.35
tblVehicleEF	LDT1	3.11	2.39
tblVehicleEF	LDT1	298.00	302.74
tblVehicleEF	LDT1	70.39	64.83
tblVehicleEF	LDT1	0.12	0.12
tblVehicleEF	LDT1	2.3960e-003	2.1060e-003
tblVehicleEF	LDT1	3.5150e-003	2.7270e-003
tblVehicleEF	LDT1	2.2060e-003	1.9390e-003
tblVehicleEF	LDT1	3.2320e-003	2.5080e-003
tblVehicleEF	LDT1	0.17	0.78
tblVehicleEF	LDT1	0.36	0.28
tblVehicleEF	LDT1	0.11	0.53

Palomino Business Park (Construction - Mitigated) - Riverside-South Coast County, Summer

tblVehicleEF	LDT1	0.03	0.03
tblVehicleEF	LDT1	0.22	0.93
tblVehicleEF	LDT1	0.22	0.41
tblVehicleEF	LDT1	2.9950e-003	2.9960e-003
tblVehicleEF	LDT1	7.5900e-004	6.4200e-004
tblVehicleEF	LDT1	0.17	0.78
tblVehicleEF	LDT1	0.36	0.28
tblVehicleEF	LDT1	0.11	0.53
tblVehicleEF	LDT1	0.04	0.04
tblVehicleEF	LDT1	0.22	0.93
tblVehicleEF	LDT1	0.24	0.44
tblVehicleEF	LDT2	5.1640e-003	3.8130e-003
tblVehicleEF	LDT2	6.4600e-003	0.07
tblVehicleEF	LDT2	0.71	0.91
tblVehicleEF	LDT2	1.39	2.64
tblVehicleEF	LDT2	342.68	328.99
tblVehicleEF	LDT2	78.65	68.91
tblVehicleEF	LDT2	0.07	0.08
tblVehicleEF	LDT2	1.6000e-003	1.4350e-003
tblVehicleEF	LDT2	2.3460e-003	1.8720e-003
tblVehicleEF	LDT2	1.4710e-003	1.3210e-003
tblVehicleEF	LDT2	2.1570e-003	1.7210e-003
tblVehicleEF	LDT2	0.07	0.48
tblVehicleEF	LDT2	0.11	0.13
tblVehicleEF	LDT2	0.05	0.39
tblVehicleEF	LDT2	0.01	0.02
tblVehicleEF	LDT2	0.06	0.43

Palomino Business Park (Construction - Mitigated) - Riverside-South Coast County, Summer

tblVehicleEF	LDT2	0.09	0.31
tblVehicleEF	LDT2	3.4320e-003	3.2550e-003
tblVehicleEF	LDT2	8.1000e-004	6.8200e-004
tblVehicleEF	LDT2	0.07	0.48
tblVehicleEF	LDT2	0.11	0.13
tblVehicleEF	LDT2	0.05	0.39
tblVehicleEF	LDT2	0.02	0.02
tblVehicleEF	LDT2	0.06	0.43
tblVehicleEF	LDT2	0.10	0.33
tblVehicleEF	LDT2	5.8560e-003	4.3350e-003
tblVehicleEF	LDT2	5.6090e-003	0.06
tblVehicleEF	LDT2	0.87	1.11
tblVehicleEF	LDT2	1.23	2.33
tblVehicleEF	LDT2	372.88	352.23
tblVehicleEF	LDT2	78.65	68.30
tblVehicleEF	LDT2	0.07	0.07
tblVehicleEF	LDT2	1.6000e-003	1.4350e-003
tblVehicleEF	LDT2	2.3460e-003	1.8720e-003
tblVehicleEF	LDT2	1.4710e-003	1.3210e-003
tblVehicleEF	LDT2	2.1570e-003	1.7210e-003
tblVehicleEF	LDT2	0.13	0.93
tblVehicleEF	LDT2	0.13	0.16
tblVehicleEF	LDT2	0.10	0.72
tblVehicleEF	LDT2	0.01	0.02
tblVehicleEF	LDT2	0.06	0.43
tblVehicleEF	LDT2	0.08	0.27
tblVehicleEF	LDT2	3.7360e-003	3.4850e-003

Palomino Business Park (Construction - Mitigated) - Riverside-South Coast County, Summer

tblVehicleEF	LDT2	8.0700e-004	6.7600e-004
tblVehicleEF	LDT2	0.13	0.93
tblVehicleEF	LDT2	0.13	0.16
tblVehicleEF	LDT2	0.10	0.72
tblVehicleEF	LDT2	0.02	0.03
tblVehicleEF	LDT2	0.06	0.43
tblVehicleEF	LDT2	0.08	0.29
tblVehicleEF	LDT2	4.9650e-003	3.6590e-003
tblVehicleEF	LDT2	6.6500e-003	0.07
tblVehicleEF	LDT2	0.67	0.84
tblVehicleEF	LDT2	1.42	2.70
tblVehicleEF	LDT2	333.62	321.94
tblVehicleEF	LDT2	78.65	69.04
tblVehicleEF	LDT2	0.07	0.08
tblVehicleEF	LDT2	1.6000e-003	1.4350e-003
tblVehicleEF	LDT2	2.3460e-003	1.8720e-003
tblVehicleEF	LDT2	1.4710e-003	1.3210e-003
tblVehicleEF	LDT2	2.1570e-003	1.7210e-003
tblVehicleEF	LDT2	0.05	0.38
tblVehicleEF	LDT2	0.12	0.14
tblVehicleEF	LDT2	0.04	0.33
tblVehicleEF	LDT2	0.01	0.01
tblVehicleEF	LDT2	0.07	0.49
tblVehicleEF	LDT2	0.09	0.31
tblVehicleEF	LDT2	3.3410e-003	3.1850e-003
tblVehicleEF	LDT2	8.1000e-004	6.8300e-004
tblVehicleEF	LDT2	0.05	0.38

Palomino Business Park (Construction - Mitigated) - Riverside-South Coast County, Summer

tblVehicleEF	LDT2	0.12	0.14
tblVehicleEF	LDT2	0.04	0.33
tblVehicleEF	LDT2	0.02	0.02
tblVehicleEF	LDT2	0.07	0.49
tblVehicleEF	LDT2	0.10	0.34
tblVehicleEF	LHD1	5.1810e-003	0.07
tblVehicleEF	LHD1	9.5070e-003	4.8390e-003
tblVehicleEF	LHD1	0.02	0.01
tblVehicleEF	LHD1	0.14	2.35
tblVehicleEF	LHD1	0.88	0.66
tblVehicleEF	LHD1	2.26	0.93
tblVehicleEF	LHD1	9.26	128.96
tblVehicleEF	LHD1	602.20	632.13
tblVehicleEF	LHD1	29.86	10.36
tblVehicleEF	LHD1	0.09	1.13
tblVehicleEF	LHD1	2.06	1.46
tblVehicleEF	LHD1	9.7000e-004	0.01
tblVehicleEF	LHD1	0.01	0.01
tblVehicleEF	LHD1	0.01	0.01
tblVehicleEF	LHD1	8.2900e-004	2.2300e-004
tblVehicleEF	LHD1	9.2800e-004	0.01
tblVehicleEF	LHD1	2.5490e-003	2.5040e-003
tblVehicleEF	LHD1	0.01	9.9950e-003
tblVehicleEF	LHD1	7.6200e-004	2.0500e-004
tblVehicleEF	LHD1	3.7780e-003	0.04
tblVehicleEF	LHD1	0.10	0.08
tblVehicleEF	LHD1	0.02	0.28

Palomino Business Park (Construction - Mitigated) - Riverside-South Coast County, Summer

tblVehicleEF	LHD1	1.8760e-003	0.02
tblVehicleEF	LHD1	0.07	0.06
tblVehicleEF	LHD1	0.31	0.47
tblVehicleEF	LHD1	0.24	0.07
tblVehicleEF	LHD1	9.2000e-005	1.2460e-003
tblVehicleEF	LHD1	5.9030e-003	6.1480e-003
tblVehicleEF	LHD1	3.4200e-004	1.0300e-004
tblVehicleEF	LHD1	3.7780e-003	0.04
tblVehicleEF	LHD1	0.10	0.08
tblVehicleEF	LHD1	0.02	0.39
tblVehicleEF	LHD1	1.8760e-003	0.02
tblVehicleEF	LHD1	0.09	0.07
tblVehicleEF	LHD1	0.31	0.47
tblVehicleEF	LHD1	0.27	0.08
tblVehicleEF	LHD1	5.1810e-003	0.07
tblVehicleEF	LHD1	9.6980e-003	4.9170e-003
tblVehicleEF	LHD1	0.02	0.01
tblVehicleEF	LHD1	0.14	2.35
tblVehicleEF	LHD1	0.89	0.67
tblVehicleEF	LHD1	2.15	0.88
tblVehicleEF	LHD1	9.26	128.96
tblVehicleEF	LHD1	602.20	632.14
tblVehicleEF	LHD1	29.86	10.28
tblVehicleEF	LHD1	0.09	1.13
tblVehicleEF	LHD1	1.94	1.37
tblVehicleEF	LHD1	9.7000e-004	0.01
tblVehicleEF	LHD1	0.01	0.01

Palomino Business Park (Construction - Mitigated) - Riverside-South Coast County, Summer

tblVehicleEF	LHD1	0.01	0.01
tblVehicleEF	LHD1	8.2900e-004	2.2300e-004
tblVehicleEF	LHD1	9.2800e-004	0.01
tblVehicleEF	LHD1	2.5490e-003	2.5040e-003
tblVehicleEF	LHD1	0.01	9.9950e-003
tblVehicleEF	LHD1	7.6200e-004	2.0500e-004
tblVehicleEF	LHD1	7.0590e-003	0.08
tblVehicleEF	LHD1	0.12	0.09
tblVehicleEF	LHD1	0.02	0.28
tblVehicleEF	LHD1	3.5660e-003	0.04
tblVehicleEF	LHD1	0.07	0.06
tblVehicleEF	LHD1	0.32	0.48
tblVehicleEF	LHD1	0.23	0.07
tblVehicleEF	LHD1	9.2000e-005	1.2460e-003
tblVehicleEF	LHD1	5.9030e-003	6.1480e-003
tblVehicleEF	LHD1	3.4000e-004	1.0200e-004
tblVehicleEF	LHD1	7.0590e-003	0.08
tblVehicleEF	LHD1	0.12	0.09
tblVehicleEF	LHD1	0.02	0.39
tblVehicleEF	LHD1	3.5660e-003	0.04
tblVehicleEF	LHD1	0.09	0.07
tblVehicleEF	LHD1	0.32	0.48
tblVehicleEF	LHD1	0.25	0.08
tblVehicleEF	LHD1	5.1810e-003	0.07
tblVehicleEF	LHD1	9.4900e-003	4.8280e-003
tblVehicleEF	LHD1	0.02	0.01
tblVehicleEF	LHD1	0.14	2.35

Palomino Business Park (Construction - Mitigated) - Riverside-South Coast County, Summer

tblVehicleEF	LHD1	0.88	0.66
tblVehicleEF	LHD1	2.26	0.93
tblVehicleEF	LHD1	9.26	128.96
tblVehicleEF	LHD1	602.20	632.12
tblVehicleEF	LHD1	29.86	10.37
tblVehicleEF	LHD1	0.09	1.13
tblVehicleEF	LHD1	2.04	1.44
tblVehicleEF	LHD1	9.7000e-004	0.01
tblVehicleEF	LHD1	0.01	0.01
tblVehicleEF	LHD1	0.01	0.01
tblVehicleEF	LHD1	8.2900e-004	2.2300e-004
tblVehicleEF	LHD1	9.2800e-004	0.01
tblVehicleEF	LHD1	2.5490e-003	2.5040e-003
tblVehicleEF	LHD1	0.01	9.9950e-003
tblVehicleEF	LHD1	7.6200e-004	2.0500e-004
tblVehicleEF	LHD1	3.3490e-003	0.04
tblVehicleEF	LHD1	0.11	0.09
tblVehicleEF	LHD1	0.02	0.28
tblVehicleEF	LHD1	1.7110e-003	0.02
tblVehicleEF	LHD1	0.07	0.06
tblVehicleEF	LHD1	0.34	0.51
tblVehicleEF	LHD1	0.24	0.07
tblVehicleEF	LHD1	9.2000e-005	1.2460e-003
tblVehicleEF	LHD1	5.9020e-003	6.1480e-003
tblVehicleEF	LHD1	3.4200e-004	1.0300e-004
tblVehicleEF	LHD1	3.3490e-003	0.04
tblVehicleEF	LHD1	0.11	0.09

Palomino Business Park (Construction - Mitigated) - Riverside-South Coast County, Summer

tblVehicleEF	LHD1	0.02	0.39
tblVehicleEF	LHD1	1.7110e-003	0.02
tblVehicleEF	LHD1	0.09	0.07
tblVehicleEF	LHD1	0.34	0.51
tblVehicleEF	LHD1	0.27	0.08
tblVehicleEF	LHD2	3.4600e-003	0.04
tblVehicleEF	LHD2	4.0020e-003	3.5550e-003
tblVehicleEF	LHD2	7.4040e-003	8.4670e-003
tblVehicleEF	LHD2	0.12	1.76
tblVehicleEF	LHD2	0.45	0.48
tblVehicleEF	LHD2	1.08	0.54
tblVehicleEF	LHD2	14.41	195.90
tblVehicleEF	LHD2	598.41	631.11
tblVehicleEF	LHD2	23.24	7.16
tblVehicleEF	LHD2	0.11	1.58
tblVehicleEF	LHD2	1.50	1.61
tblVehicleEF	LHD2	1.3120e-003	0.02
tblVehicleEF	LHD2	0.01	0.01
tblVehicleEF	LHD2	0.01	0.01
tblVehicleEF	LHD2	3.7000e-004	1.1000e-004
tblVehicleEF	LHD2	1.2550e-003	0.02
tblVehicleEF	LHD2	2.7000e-003	2.7130e-003
tblVehicleEF	LHD2	0.01	0.01
tblVehicleEF	LHD2	3.4000e-004	1.0100e-004
tblVehicleEF	LHD2	1.4050e-003	0.02
tblVehicleEF	LHD2	0.04	0.04
tblVehicleEF	LHD2	0.01	0.21

Palomino Business Park (Construction - Mitigated) - Riverside-South Coast County, Summer

tblVehicleEF	LHD2	7.4200e-004	0.01
tblVehicleEF	LHD2	0.05	0.06
tblVehicleEF	LHD2	0.08	0.23
tblVehicleEF	LHD2	0.10	0.04
tblVehicleEF	LHD2	1.4000e-004	1.8700e-003
tblVehicleEF	LHD2	5.8170e-003	6.0810e-003
tblVehicleEF	LHD2	2.5200e-004	7.1000e-005
tblVehicleEF	LHD2	1.4050e-003	0.02
tblVehicleEF	LHD2	0.04	0.04
tblVehicleEF	LHD2	0.02	0.28
tblVehicleEF	LHD2	7.4200e-004	0.01
tblVehicleEF	LHD2	0.06	0.07
tblVehicleEF	LHD2	0.08	0.23
tblVehicleEF	LHD2	0.11	0.05
tblVehicleEF	LHD2	3.4600e-003	0.04
tblVehicleEF	LHD2	4.0450e-003	3.5800e-003
tblVehicleEF	LHD2	7.1500e-003	8.1830e-003
tblVehicleEF	LHD2	0.12	1.76
tblVehicleEF	LHD2	0.45	0.49
tblVehicleEF	LHD2	1.04	0.51
tblVehicleEF	LHD2	14.41	195.90
tblVehicleEF	LHD2	598.41	631.12
tblVehicleEF	LHD2	23.24	7.12
tblVehicleEF	LHD2	0.11	1.58
tblVehicleEF	LHD2	1.41	1.52
tblVehicleEF	LHD2	1.3120e-003	0.02
tblVehicleEF	LHD2	0.01	0.01

Palomino Business Park (Construction - Mitigated) - Riverside-South Coast County, Summer

tblVehicleEF	LHD2	0.01	0.01
tblVehicleEF	LHD2	3.7000e-004	1.1000e-004
tblVehicleEF	LHD2	1.2550e-003	0.02
tblVehicleEF	LHD2	2.7000e-003	2.7130e-003
tblVehicleEF	LHD2	0.01	0.01
tblVehicleEF	LHD2	3.4000e-004	1.0100e-004
tblVehicleEF	LHD2	2.6530e-003	0.04
tblVehicleEF	LHD2	0.04	0.05
tblVehicleEF	LHD2	0.01	0.21
tblVehicleEF	LHD2	1.3950e-003	0.02
tblVehicleEF	LHD2	0.05	0.06
tblVehicleEF	LHD2	0.08	0.24
tblVehicleEF	LHD2	0.10	0.04
tblVehicleEF	LHD2	1.4000e-004	1.8700e-003
tblVehicleEF	LHD2	5.8170e-003	6.0810e-003
tblVehicleEF	LHD2	2.5100e-004	7.0000e-005
tblVehicleEF	LHD2	2.6530e-003	0.04
tblVehicleEF	LHD2	0.04	0.05
tblVehicleEF	LHD2	0.02	0.28
tblVehicleEF	LHD2	1.3950e-003	0.02
tblVehicleEF	LHD2	0.06	0.07
tblVehicleEF	LHD2	0.08	0.24
tblVehicleEF	LHD2	0.11	0.04
tblVehicleEF	LHD2	3.4600e-003	0.04
tblVehicleEF	LHD2	3.9920e-003	3.5470e-003
tblVehicleEF	LHD2	7.4470e-003	8.5290e-003
tblVehicleEF	LHD2	0.12	1.76

Palomino Business Park (Construction - Mitigated) - Riverside-South Coast County, Summer

tblVehicleEF	LHD2	0.45	0.48
tblVehicleEF	LHD2	1.09	0.54
tblVehicleEF	LHD2	14.41	195.90
tblVehicleEF	LHD2	598.41	631.11
tblVehicleEF	LHD2	23.24	7.17
tblVehicleEF	LHD2	0.11	1.58
tblVehicleEF	LHD2	1.48	1.59
tblVehicleEF	LHD2	1.3120e-003	0.02
tblVehicleEF	LHD2	0.01	0.01
tblVehicleEF	LHD2	0.01	0.01
tblVehicleEF	LHD2	3.7000e-004	1.1000e-004
tblVehicleEF	LHD2	1.2550e-003	0.02
tblVehicleEF	LHD2	2.7000e-003	2.7130e-003
tblVehicleEF	LHD2	0.01	0.01
tblVehicleEF	LHD2	3.4000e-004	1.0100e-004
tblVehicleEF	LHD2	1.1040e-003	0.02
tblVehicleEF	LHD2	0.04	0.04
tblVehicleEF	LHD2	0.01	0.21
tblVehicleEF	LHD2	6.2900e-004	9.0220e-003
tblVehicleEF	LHD2	0.05	0.06
tblVehicleEF	LHD2	0.08	0.25
tblVehicleEF	LHD2	0.10	0.04
tblVehicleEF	LHD2	1.4000e-004	1.8700e-003
tblVehicleEF	LHD2	5.8170e-003	6.0810e-003
tblVehicleEF	LHD2	2.5200e-004	7.1000e-005
tblVehicleEF	LHD2	1.1040e-003	0.02
tblVehicleEF	LHD2	0.04	0.04

Palomino Business Park (Construction - Mitigated) - Riverside-South Coast County, Summer

tblVehicleEF	LHD2	0.02	0.28
tblVehicleEF	LHD2	6.2900e-004	9.0220e-003
tblVehicleEF	LHD2	0.06	0.07
tblVehicleEF	LHD2	0.08	0.25
tblVehicleEF	LHD2	0.11	0.05
tblVehicleEF	MCY	0.42	0.32
tblVehicleEF	MCY	0.15	0.24
tblVehicleEF	MCY	19.14	19.26
tblVehicleEF	MCY	9.69	8.57
tblVehicleEF	MCY	166.26	208.19
tblVehicleEF	MCY	45.80	60.41
tblVehicleEF	MCY	1.12	1.12
tblVehicleEF	MCY	1.8240e-003	1.8040e-003
tblVehicleEF	MCY	3.3680e-003	2.8470e-003
tblVehicleEF	MCY	1.7050e-003	1.6870e-003
tblVehicleEF	MCY	3.1720e-003	2.6790e-003
tblVehicleEF	MCY	1.69	3.33
tblVehicleEF	MCY	0.85	0.84
tblVehicleEF	MCY	0.92	1.81
tblVehicleEF	MCY	2.13	2.14
tblVehicleEF	MCY	0.56	1.82
tblVehicleEF	MCY	2.06	1.82
tblVehicleEF	MCY	2.0370e-003	2.0600e-003
tblVehicleEF	MCY	6.7700e-004	5.9800e-004
tblVehicleEF	MCY	1.69	3.33
tblVehicleEF	MCY	0.85	0.84
tblVehicleEF	MCY	0.92	1.81

Palomino Business Park (Construction - Mitigated) - Riverside-South Coast County, Summer

tblVehicleEF	MCY	2.63	2.64
tblVehicleEF	MCY	0.56	1.82
tblVehicleEF	MCY	2.24	1.98
tblVehicleEF	MCY	0.42	0.32
tblVehicleEF	MCY	0.14	0.22
tblVehicleEF	MCY	19.85	19.92
tblVehicleEF	MCY	9.10	8.00
tblVehicleEF	MCY	166.26	209.15
tblVehicleEF	MCY	45.80	58.86
tblVehicleEF	MCY	0.98	0.98
tblVehicleEF	MCY	1.8240e-003	1.8040e-003
tblVehicleEF	MCY	3.3680e-003	2.8470e-003
tblVehicleEF	MCY	1.7050e-003	1.6870e-003
tblVehicleEF	MCY	3.1720e-003	2.6790e-003
tblVehicleEF	MCY	3.36	6.59
tblVehicleEF	MCY	1.24	1.24
tblVehicleEF	MCY	2.10	4.10
tblVehicleEF	MCY	2.11	2.12
tblVehicleEF	MCY	0.56	1.82
tblVehicleEF	MCY	1.85	1.62
tblVehicleEF	MCY	2.0480e-003	2.0700e-003
tblVehicleEF	MCY	6.6100e-004	5.8200e-004
tblVehicleEF	MCY	3.36	6.59
tblVehicleEF	MCY	1.24	1.24
tblVehicleEF	MCY	2.10	4.10
tblVehicleEF	MCY	2.61	2.61
tblVehicleEF	MCY	0.56	1.82

Palomino Business Park (Construction - Mitigated) - Riverside-South Coast County, Summer

tblVehicleEF	MCY	2.01	1.77
tblVehicleEF	MCY	0.42	0.32
tblVehicleEF	MCY	0.15	0.24
tblVehicleEF	MCY	18.68	18.80
tblVehicleEF	MCY	9.65	8.51
tblVehicleEF	MCY	166.26	207.43
tblVehicleEF	MCY	45.80	60.33
tblVehicleEF	MCY	1.12	1.12
tblVehicleEF	MCY	1.8240e-003	1.8040e-003
tblVehicleEF	MCY	3.3680e-003	2.8470e-003
tblVehicleEF	MCY	1.7050e-003	1.6870e-003
tblVehicleEF	MCY	3.1720e-003	2.6790e-003
tblVehicleEF	MCY	1.60	3.18
tblVehicleEF	MCY	1.04	1.03
tblVehicleEF	MCY	0.74	1.47
tblVehicleEF	MCY	2.12	2.13
tblVehicleEF	MCY	0.64	2.07
tblVehicleEF	MCY	2.07	1.82
tblVehicleEF	MCY	2.0300e-003	2.0530e-003
tblVehicleEF	MCY	6.7700e-004	5.9700e-004
tblVehicleEF	MCY	1.60	3.18
tblVehicleEF	MCY	1.04	1.03
tblVehicleEF	MCY	0.74	1.47
tblVehicleEF	MCY	2.62	2.63
tblVehicleEF	MCY	0.64	2.07
tblVehicleEF	MCY	2.26	1.98
tblVehicleEF	MDV	0.01	4.9300e-003

Palomino Business Park (Construction - Mitigated) - Riverside-South Coast County, Summer

tblVehicleEF	MDV	0.02	0.08
tblVehicleEF	MDV	1.26	1.05
tblVehicleEF	MDV	2.88	3.10
tblVehicleEF	MDV	474.24	410.10
tblVehicleEF	MDV	107.24	85.75
tblVehicleEF	MDV	0.15	0.10
tblVehicleEF	MDV	1.6800e-003	1.4990e-003
tblVehicleEF	MDV	2.4130e-003	1.9490e-003
tblVehicleEF	MDV	1.5490e-003	1.3820e-003
tblVehicleEF	MDV	2.2190e-003	1.7920e-003
tblVehicleEF	MDV	0.11	0.58
tblVehicleEF	MDV	0.20	0.16
tblVehicleEF	MDV	0.09	0.49
tblVehicleEF	MDV	0.03	0.02
tblVehicleEF	MDV	0.11	0.49
tblVehicleEF	MDV	0.22	0.41
tblVehicleEF	MDV	4.7510e-003	4.0550e-003
tblVehicleEF	MDV	1.1230e-003	8.4900e-004
tblVehicleEF	MDV	0.11	0.58
tblVehicleEF	MDV	0.20	0.16
tblVehicleEF	MDV	0.09	0.49
tblVehicleEF	MDV	0.04	0.03
tblVehicleEF	MDV	0.11	0.49
tblVehicleEF	MDV	0.24	0.44
tblVehicleEF	MDV	0.01	5.6180e-003
tblVehicleEF	MDV	0.01	0.07
tblVehicleEF	MDV	1.53	1.28

Palomino Business Park (Construction - Mitigated) - Riverside-South Coast County, Summer

tblVehicleEF	MDV	2.54	2.73
tblVehicleEF	MDV	514.80	434.72
tblVehicleEF	MDV	107.24	84.99
tblVehicleEF	MDV	0.14	0.10
tblVehicleEF	MDV	1.6800e-003	1.4990e-003
tblVehicleEF	MDV	2.4130e-003	1.9490e-003
tblVehicleEF	MDV	1.5490e-003	1.3820e-003
tblVehicleEF	MDV	2.2190e-003	1.7920e-003
tblVehicleEF	MDV	0.21	1.11
tblVehicleEF	MDV	0.23	0.19
tblVehicleEF	MDV	0.17	0.90
tblVehicleEF	MDV	0.03	0.02
tblVehicleEF	MDV	0.11	0.49
tblVehicleEF	MDV	0.19	0.35
tblVehicleEF	MDV	5.1610e-003	4.2980e-003
tblVehicleEF	MDV	1.1170e-003	8.4100e-004
tblVehicleEF	MDV	0.21	1.11
tblVehicleEF	MDV	0.23	0.19
tblVehicleEF	MDV	0.17	0.90
tblVehicleEF	MDV	0.05	0.03
tblVehicleEF	MDV	0.11	0.49
tblVehicleEF	MDV	0.21	0.39
tblVehicleEF	MDV	0.01	4.7320e-003
tblVehicleEF	MDV	0.02	0.09
tblVehicleEF	MDV	1.18	0.98
tblVehicleEF	MDV	2.94	3.17
tblVehicleEF	MDV	462.11	402.72

Palomino Business Park (Construction - Mitigated) - Riverside-South Coast County, Summer

tblVehicleEF	MDV	107.24	85.90
tblVehicleEF	MDV	0.14	0.10
tblVehicleEF	MDV	1.6800e-003	1.4990e-003
tblVehicleEF	MDV	2.4130e-003	1.9490e-003
tblVehicleEF	MDV	1.5490e-003	1.3820e-003
tblVehicleEF	MDV	2.2190e-003	1.7920e-003
tblVehicleEF	MDV	0.09	0.45
tblVehicleEF	MDV	0.21	0.17
tblVehicleEF	MDV	0.08	0.42
tblVehicleEF	MDV	0.03	0.02
tblVehicleEF	MDV	0.13	0.55
tblVehicleEF	MDV	0.23	0.42
tblVehicleEF	MDV	4.6290e-003	3.9820e-003
tblVehicleEF	MDV	1.1240e-003	8.5000e-004
tblVehicleEF	MDV	0.09	0.45
tblVehicleEF	MDV	0.21	0.17
tblVehicleEF	MDV	0.08	0.42
tblVehicleEF	MDV	0.04	0.03
tblVehicleEF	MDV	0.13	0.55
tblVehicleEF	MDV	0.25	0.46
tblVehicleEF	MH	0.03	3.2770e-003
tblVehicleEF	MH	0.02	0.00
tblVehicleEF	MH	2.33	0.33
tblVehicleEF	MH	5.58	0.00
tblVehicleEF	MH	998.83	934.95
tblVehicleEF	MH	57.38	0.00
tblVehicleEF	MH	1.57	4.29

Palomino Business Park (Construction - Mitigated) - Riverside-South Coast County, Summer

tblVehicleEF	MH	0.01	0.02
tblVehicleEF	MH	0.04	0.14
tblVehicleEF	MH	1.0280e-003	0.00
tblVehicleEF	MH	3.2460e-003	4.0000e-003
tblVehicleEF	MH	0.04	0.13
tblVehicleEF	MH	9.4600e-004	0.00
tblVehicleEF	MH	1.47	0.00
tblVehicleEF	MH	0.08	0.00
tblVehicleEF	MH	0.51	0.00
tblVehicleEF	MH	0.08	0.07
tblVehicleEF	MH	0.03	0.00
tblVehicleEF	MH	0.33	0.00
tblVehicleEF	MH	9.9070e-003	8.8390e-003
tblVehicleEF	MH	6.7100e-004	0.00
tblVehicleEF	MH	1.47	0.00
tblVehicleEF	MH	0.08	0.00
tblVehicleEF	MH	0.51	0.00
tblVehicleEF	MH	0.11	0.08
tblVehicleEF	MH	0.03	0.00
tblVehicleEF	MH	0.36	0.00
tblVehicleEF	MH	0.03	3.2770e-003
tblVehicleEF	MH	0.02	0.00
tblVehicleEF	MH	2.40	0.33
tblVehicleEF	MH	5.19	0.00
tblVehicleEF	MH	998.83	934.95
tblVehicleEF	MH	57.38	0.00
tblVehicleEF	MH	1.46	4.05

Palomino Business Park (Construction - Mitigated) - Riverside-South Coast County, Summer

tblVehicleEF	MH	0.01	0.02
tblVehicleEF	MH	0.04	0.14
tblVehicleEF	MH	1.0280e-003	0.00
tblVehicleEF	MH	3.2460e-003	4.0000e-003
tblVehicleEF	MH	0.04	0.13
tblVehicleEF	MH	9.4600e-004	0.00
tblVehicleEF	MH	2.69	0.00
tblVehicleEF	MH	0.09	0.00
tblVehicleEF	MH	1.00	0.00
tblVehicleEF	MH	0.09	0.07
tblVehicleEF	MH	0.03	0.00
tblVehicleEF	MH	0.31	0.00
tblVehicleEF	MH	9.9080e-003	8.8390e-003
tblVehicleEF	MH	6.6400e-004	0.00
tblVehicleEF	MH	2.69	0.00
tblVehicleEF	MH	0.09	0.00
tblVehicleEF	MH	1.00	0.00
tblVehicleEF	MH	0.12	0.08
tblVehicleEF	MH	0.03	0.00
tblVehicleEF	MH	0.34	0.00
tblVehicleEF	MH	0.03	3.2770e-003
tblVehicleEF	MH	0.02	0.00
tblVehicleEF	MH	2.32	0.33
tblVehicleEF	MH	5.61	0.00
tblVehicleEF	MH	998.83	934.95
tblVehicleEF	MH	57.38	0.00
tblVehicleEF	MH	1.55	4.25

Palomino Business Park (Construction - Mitigated) - Riverside-South Coast County, Summer

tblVehicleEF	MH	0.01	0.02
tblVehicleEF	MH	0.04	0.14
tblVehicleEF	MH	1.0280e-003	0.00
tblVehicleEF	MH	3.2460e-003	4.0000e-003
tblVehicleEF	MH	0.04	0.13
tblVehicleEF	MH	9.4600e-004	0.00
tblVehicleEF	MH	1.48	0.00
tblVehicleEF	MH	0.10	0.00
tblVehicleEF	MH	0.50	0.00
tblVehicleEF	MH	0.08	0.07
tblVehicleEF	MH	0.03	0.00
tblVehicleEF	MH	0.33	0.00
tblVehicleEF	MH	9.9070e-003	8.8390e-003
tblVehicleEF	MH	6.7200e-004	0.00
tblVehicleEF	MH	1.48	0.00
tblVehicleEF	MH	0.10	0.00
tblVehicleEF	MH	0.50	0.00
tblVehicleEF	MH	0.11	0.08
tblVehicleEF	MH	0.03	0.00
tblVehicleEF	MH	0.36	0.00
tblVehicleEF	MHD	0.02	0.03
tblVehicleEF	MHD	3.1970e-003	3.4150e-003
tblVehicleEF	MHD	0.05	8.4360e-003
tblVehicleEF	MHD	0.35	3.72
tblVehicleEF	MHD	0.24	0.36
tblVehicleEF	MHD	5.47	0.98
tblVehicleEF	MHD	152.51	784.50

Palomino Business Park (Construction - Mitigated) - Riverside-South Coast County, Summer

tblVehicleEF	MHD	1,062.94	972.64
tblVehicleEF	MHD	54.61	8.27
tblVehicleEF	MHD	0.61	6.12
tblVehicleEF	MHD	0.89	1.55
tblVehicleEF	MHD	9.8000e-004	0.02
tblVehicleEF	MHD	5.7040e-003	0.05
tblVehicleEF	MHD	7.4900e-004	9.5000e-005
tblVehicleEF	MHD	9.3700e-004	0.01
tblVehicleEF	MHD	5.4540e-003	0.04
tblVehicleEF	MHD	6.8900e-004	8.7000e-005
tblVehicleEF	MHD	1.6000e-003	7.3280e-003
tblVehicleEF	MHD	0.05	0.02
tblVehicleEF	MHD	0.03	0.20
tblVehicleEF	MHD	8.0100e-004	3.6850e-003
tblVehicleEF	MHD	0.03	0.05
tblVehicleEF	MHD	0.02	0.10
tblVehicleEF	MHD	0.33	0.04
tblVehicleEF	MHD	1.4660e-003	7.4400e-003
tblVehicleEF	MHD	0.01	9.2620e-003
tblVehicleEF	MHD	6.4200e-004	8.2000e-005
tblVehicleEF	MHD	1.6000e-003	7.3280e-003
tblVehicleEF	MHD	0.05	0.02
tblVehicleEF	MHD	0.04	0.27
tblVehicleEF	MHD	8.0100e-004	3.6850e-003
tblVehicleEF	MHD	0.03	0.06
tblVehicleEF	MHD	0.02	0.10
tblVehicleEF	MHD	0.36	0.05

Palomino Business Park (Construction - Mitigated) - Riverside-South Coast County, Summer

tblVehicleEF	MHD	0.02	0.03
tblVehicleEF	MHD	3.2380e-003	3.4390e-003
tblVehicleEF	MHD	0.05	8.1570e-003
tblVehicleEF	MHD	0.25	3.12
tblVehicleEF	MHD	0.25	0.36
tblVehicleEF	MHD	5.23	0.94
tblVehicleEF	MHD	161.54	794.42
tblVehicleEF	MHD	1,062.94	972.65
tblVehicleEF	MHD	54.61	8.20
tblVehicleEF	MHD	0.63	6.14
tblVehicleEF	MHD	0.83	1.46
tblVehicleEF	MHD	8.2600e-004	0.01
tblVehicleEF	MHD	5.7040e-003	0.05
tblVehicleEF	MHD	7.4900e-004	9.5000e-005
tblVehicleEF	MHD	7.9000e-004	0.01
tblVehicleEF	MHD	5.4540e-003	0.04
tblVehicleEF	MHD	6.8900e-004	8.7000e-005
tblVehicleEF	MHD	3.0890e-003	0.01
tblVehicleEF	MHD	0.05	0.02
tblVehicleEF	MHD	0.02	0.19
tblVehicleEF	MHD	1.5560e-003	7.1920e-003
tblVehicleEF	MHD	0.03	0.05
tblVehicleEF	MHD	0.02	0.10
tblVehicleEF	MHD	0.32	0.04
tblVehicleEF	MHD	1.5510e-003	7.5340e-003
tblVehicleEF	MHD	0.01	9.2620e-003
tblVehicleEF	MHD	6.3800e-004	8.1000e-005

Palomino Business Park (Construction - Mitigated) - Riverside-South Coast County, Summer

tblVehicleEF	MHD	3.0890e-003	0.01
tblVehicleEF	MHD	0.05	0.02
tblVehicleEF	MHD	0.03	0.25
tblVehicleEF	MHD	1.5560e-003	7.1920e-003
tblVehicleEF	MHD	0.03	0.06
tblVehicleEF	MHD	0.02	0.10
tblVehicleEF	MHD	0.35	0.05
tblVehicleEF	MHD	0.02	0.04
tblVehicleEF	MHD	3.1690e-003	3.3980e-003
tblVehicleEF	MHD	0.05	8.5100e-003
tblVehicleEF	MHD	0.48	4.55
tblVehicleEF	MHD	0.24	0.36
tblVehicleEF	MHD	5.56	0.99
tblVehicleEF	MHD	140.03	770.77
tblVehicleEF	MHD	1,062.94	972.64
tblVehicleEF	MHD	54.61	8.30
tblVehicleEF	MHD	0.58	6.08
tblVehicleEF	MHD	0.88	1.54
tblVehicleEF	MHD	1.1920e-003	0.02
tblVehicleEF	MHD	5.7040e-003	0.05
tblVehicleEF	MHD	7.4900e-004	9.5000e-005
tblVehicleEF	MHD	1.1400e-003	0.02
tblVehicleEF	MHD	5.4540e-003	0.04
tblVehicleEF	MHD	6.8900e-004	8.7000e-005
tblVehicleEF	MHD	1.1940e-003	5.6180e-003
tblVehicleEF	MHD	0.05	0.02
tblVehicleEF	MHD	0.03	0.21

Palomino Business Park (Construction - Mitigated) - Riverside-South Coast County, Summer

tblVehicleEF	MHD	6.2900e-004	2.9620e-003
tblVehicleEF	MHD	0.03	0.05
tblVehicleEF	MHD	0.02	0.11
tblVehicleEF	MHD	0.34	0.05
tblVehicleEF	MHD	1.3480e-003	7.3080e-003
tblVehicleEF	MHD	0.01	9.2610e-003
tblVehicleEF	MHD	6.4300e-004	8.2000e-005
tblVehicleEF	MHD	1.1940e-003	5.6180e-003
tblVehicleEF	MHD	0.05	0.02
tblVehicleEF	MHD	0.04	0.28
tblVehicleEF	MHD	6.2900e-004	2.9620e-003
tblVehicleEF	MHD	0.03	0.06
tblVehicleEF	MHD	0.02	0.11
tblVehicleEF	MHD	0.37	0.05
tblVehicleEF	OBUS	0.01	0.14
tblVehicleEF	OBUS	6.8270e-003	6.2940e-003
tblVehicleEF	OBUS	0.03	0.02
tblVehicleEF	OBUS	0.27	7.89
tblVehicleEF	OBUS	0.46	0.72
tblVehicleEF	OBUS	5.79	2.51
tblVehicleEF	OBUS	74.97	1,142.53
tblVehicleEF	OBUS	1,092.94	1,371.04
tblVehicleEF	OBUS	69.71	20.56
tblVehicleEF	OBUS	0.31	5.23
tblVehicleEF	OBUS	0.97	1.20
tblVehicleEF	OBUS	6.8000e-005	9.5630e-003
tblVehicleEF	OBUS	5.0070e-003	0.02

Palomino Business Park (Construction - Mitigated) - Riverside-South Coast County, Summer

tblVehicleEF	OBUS	8.4500e-004	1.9400e-004
tblVehicleEF	OBUS	6.5000e-005	9.1490e-003
tblVehicleEF	OBUS	4.7740e-003	0.02
tblVehicleEF	OBUS	7.7700e-004	1.7800e-004
tblVehicleEF	OBUS	2.1110e-003	0.04
tblVehicleEF	OBUS	0.02	0.02
tblVehicleEF	OBUS	0.04	0.78
tblVehicleEF	OBUS	9.1000e-004	0.02
tblVehicleEF	OBUS	0.03	0.05
tblVehicleEF	OBUS	0.05	0.26
tblVehicleEF	OBUS	0.36	0.12
tblVehicleEF	OBUS	7.2800e-004	0.01
tblVehicleEF	OBUS	0.01	0.01
tblVehicleEF	OBUS	7.9900e-004	2.0300e-004
tblVehicleEF	OBUS	2.1110e-003	0.04
tblVehicleEF	OBUS	0.02	0.02
tblVehicleEF	OBUS	0.05	1.04
tblVehicleEF	OBUS	9.1000e-004	0.02
tblVehicleEF	OBUS	0.04	0.06
tblVehicleEF	OBUS	0.05	0.26
tblVehicleEF	OBUS	0.39	0.13
tblVehicleEF	OBUS	0.01	0.14
tblVehicleEF	OBUS	6.9570e-003	6.4100e-003
tblVehicleEF	OBUS	0.03	0.02
tblVehicleEF	OBUS	0.26	7.73
tblVehicleEF	OBUS	0.46	0.73
tblVehicleEF	OBUS	5.41	2.35

Palomino Business Park (Construction - Mitigated) - Riverside-South Coast County, Summer

tblVehicleEF	OBUS	78.41	1,141.12
tblVehicleEF	OBUS	1,092.94	1,371.06
tblVehicleEF	OBUS	69.71	20.28
tblVehicleEF	OBUS	0.32	5.12
tblVehicleEF	OBUS	0.91	1.12
tblVehicleEF	OBUS	5.7000e-005	8.1210e-003
tblVehicleEF	OBUS	5.0070e-003	0.02
tblVehicleEF	OBUS	8.4500e-004	1.9400e-004
tblVehicleEF	OBUS	5.4000e-005	7.7700e-003
tblVehicleEF	OBUS	4.7740e-003	0.02
tblVehicleEF	OBUS	7.7700e-004	1.7800e-004
tblVehicleEF	OBUS	3.9250e-003	0.08
tblVehicleEF	OBUS	0.02	0.03
tblVehicleEF	OBUS	0.04	0.79
tblVehicleEF	OBUS	1.7420e-003	0.03
tblVehicleEF	OBUS	0.03	0.05
tblVehicleEF	OBUS	0.05	0.26
tblVehicleEF	OBUS	0.34	0.12
tblVehicleEF	OBUS	7.6000e-004	0.01
tblVehicleEF	OBUS	0.01	0.01
tblVehicleEF	OBUS	7.9200e-004	2.0100e-004
tblVehicleEF	OBUS	3.9250e-003	0.08
tblVehicleEF	OBUS	0.02	0.03
tblVehicleEF	OBUS	0.05	1.05
tblVehicleEF	OBUS	1.7420e-003	0.03
tblVehicleEF	OBUS	0.04	0.06
tblVehicleEF	OBUS	0.05	0.26

Palomino Business Park (Construction - Mitigated) - Riverside-South Coast County, Summer

tblVehicleEF	OBUS	0.38	0.13
tblVehicleEF	OBUS	0.01	0.14
tblVehicleEF	OBUS	6.8060e-003	6.2600e-003
tblVehicleEF	OBUS	0.03	0.02
tblVehicleEF	OBUS	0.28	8.11
tblVehicleEF	OBUS	0.46	0.72
tblVehicleEF	OBUS	5.84	2.54
tblVehicleEF	OBUS	70.22	1,144.47
tblVehicleEF	OBUS	1,092.94	1,371.03
tblVehicleEF	OBUS	69.71	20.60
tblVehicleEF	OBUS	0.29	5.38
tblVehicleEF	OBUS	0.97	1.20
tblVehicleEF	OBUS	8.2000e-005	0.01
tblVehicleEF	OBUS	5.0070e-003	0.02
tblVehicleEF	OBUS	8.4500e-004	1.9400e-004
tblVehicleEF	OBUS	7.9000e-005	0.01
tblVehicleEF	OBUS	4.7740e-003	0.02
tblVehicleEF	OBUS	7.7700e-004	1.7800e-004
tblVehicleEF	OBUS	1.8300e-003	0.04
tblVehicleEF	OBUS	0.02	0.03
tblVehicleEF	OBUS	0.04	0.77
tblVehicleEF	OBUS	8.3900e-004	0.02
tblVehicleEF	OBUS	0.03	0.05
tblVehicleEF	OBUS	0.05	0.28
tblVehicleEF	OBUS	0.36	0.12
tblVehicleEF	OBUS	6.8200e-004	0.01
tblVehicleEF	OBUS	0.01	0.01

Palomino Business Park (Construction - Mitigated) - Riverside-South Coast County, Summer

tblVehicleEF	OBUS	7.9900e-004	2.0400e-004
tblVehicleEF	OBUS	1.8300e-003	0.04
tblVehicleEF	OBUS	0.02	0.03
tblVehicleEF	OBUS	0.05	1.02
tblVehicleEF	OBUS	8.3900e-004	0.02
tblVehicleEF	OBUS	0.04	0.06
tblVehicleEF	OBUS	0.05	0.28
tblVehicleEF	OBUS	0.40	0.13
tblVehicleEF	SBUS	0.82	0.73
tblVehicleEF	SBUS	0.01	6.3720e-003
tblVehicleEF	SBUS	0.06	7.0630e-003
tblVehicleEF	SBUS	7.82	28.59
tblVehicleEF	SBUS	0.60	0.51
tblVehicleEF	SBUS	6.53	0.94
tblVehicleEF	SBUS	1,137.52	3,391.94
tblVehicleEF	SBUS	1,098.11	1,104.50
tblVehicleEF	SBUS	54.55	6.09
tblVehicleEF	SBUS	9.42	32.22
tblVehicleEF	SBUS	4.31	4.62
tblVehicleEF	SBUS	9.5680e-003	0.03
tblVehicleEF	SBUS	0.01	0.01
tblVehicleEF	SBUS	0.02	0.03
tblVehicleEF	SBUS	4.7600e-004	4.2000e-005
tblVehicleEF	SBUS	9.1540e-003	0.03
tblVehicleEF	SBUS	2.6910e-003	2.6500e-003
tblVehicleEF	SBUS	0.02	0.03
tblVehicleEF	SBUS	4.3700e-004	3.9000e-005

Palomino Business Park (Construction - Mitigated) - Riverside-South Coast County, Summer

tblVehicleEF	SBUS	4.8460e-003	0.01
tblVehicleEF	SBUS	0.03	9.3180e-003
tblVehicleEF	SBUS	0.93	3.37
tblVehicleEF	SBUS	2.2980e-003	6.2660e-003
tblVehicleEF	SBUS	0.10	0.09
tblVehicleEF	SBUS	0.02	0.06
tblVehicleEF	SBUS	0.36	0.04
tblVehicleEF	SBUS	0.01	0.03
tblVehicleEF	SBUS	0.01	0.01
tblVehicleEF	SBUS	6.5900e-004	6.0000e-005
tblVehicleEF	SBUS	4.8460e-003	0.01
tblVehicleEF	SBUS	0.03	9.3180e-003
tblVehicleEF	SBUS	1.33	4.85
tblVehicleEF	SBUS	2.2980e-003	6.2660e-003
tblVehicleEF	SBUS	0.12	0.11
tblVehicleEF	SBUS	0.02	0.06
tblVehicleEF	SBUS	0.39	0.04
tblVehicleEF	SBUS	0.82	0.73
tblVehicleEF	SBUS	0.01	6.4450e-003
tblVehicleEF	SBUS	0.05	5.9200e-003
tblVehicleEF	SBUS	7.71	28.24
tblVehicleEF	SBUS	0.61	0.52
tblVehicleEF	SBUS	4.73	0.68
tblVehicleEF	SBUS	1,189.12	3,481.42
tblVehicleEF	SBUS	1,098.11	1,104.52
tblVehicleEF	SBUS	54.55	5.66
tblVehicleEF	SBUS	9.72	33.02

Palomino Business Park (Construction - Mitigated) - Riverside-South Coast County, Summer

tblVehicleEF	SBUS	4.05	4.35
tblVehicleEF	SBUS	8.0660e-003	0.03
tblVehicleEF	SBUS	0.01	0.01
tblVehicleEF	SBUS	0.02	0.03
tblVehicleEF	SBUS	4.7600e-004	4.2000e-005
tblVehicleEF	SBUS	7.7170e-003	0.03
tblVehicleEF	SBUS	2.6910e-003	2.6500e-003
tblVehicleEF	SBUS	0.02	0.03
tblVehicleEF	SBUS	4.3700e-004	3.9000e-005
tblVehicleEF	SBUS	8.7430e-003	0.02
tblVehicleEF	SBUS	0.03	9.8380e-003
tblVehicleEF	SBUS	0.92	3.36
tblVehicleEF	SBUS	4.2770e-003	0.01
tblVehicleEF	SBUS	0.10	0.09
tblVehicleEF	SBUS	0.01	0.05
tblVehicleEF	SBUS	0.30	0.03
tblVehicleEF	SBUS	0.01	0.03
tblVehicleEF	SBUS	0.01	0.01
tblVehicleEF	SBUS	6.2900e-004	5.6000e-005
tblVehicleEF	SBUS	8.7430e-003	0.02
tblVehicleEF	SBUS	0.03	9.8380e-003
tblVehicleEF	SBUS	1.33	4.85
tblVehicleEF	SBUS	4.2770e-003	0.01
tblVehicleEF	SBUS	0.12	0.11
tblVehicleEF	SBUS	0.01	0.05
tblVehicleEF	SBUS	0.33	0.04
tblVehicleEF	SBUS	0.82	0.73

Palomino Business Park (Construction - Mitigated) - Riverside-South Coast County, Summer

tblVehicleEF	SBUS	0.01	6.3640e-003
tblVehicleEF	SBUS	0.06	7.3130e-003
tblVehicleEF	SBUS	7.98	29.08
tblVehicleEF	SBUS	0.60	0.51
tblVehicleEF	SBUS	6.89	0.98
tblVehicleEF	SBUS	1,066.27	3,268.38
tblVehicleEF	SBUS	1,098.11	1,104.50
tblVehicleEF	SBUS	54.55	6.17
tblVehicleEF	SBUS	9.00	31.13
tblVehicleEF	SBUS	4.26	4.59
tblVehicleEF	SBUS	0.01	0.04
tblVehicleEF	SBUS	0.01	0.01
tblVehicleEF	SBUS	0.02	0.03
tblVehicleEF	SBUS	4.7600e-004	4.2000e-005
tblVehicleEF	SBUS	0.01	0.04
tblVehicleEF	SBUS	2.6910e-003	2.6500e-003
tblVehicleEF	SBUS	0.02	0.03
tblVehicleEF	SBUS	4.3700e-004	3.9000e-005
tblVehicleEF	SBUS	4.2260e-003	0.01
tblVehicleEF	SBUS	0.03	9.5110e-003
tblVehicleEF	SBUS	0.93	3.37
tblVehicleEF	SBUS	2.2070e-003	6.0360e-003
tblVehicleEF	SBUS	0.10	0.09
tblVehicleEF	SBUS	0.02	0.07
tblVehicleEF	SBUS	0.37	0.04
tblVehicleEF	SBUS	0.01	0.03
tblVehicleEF	SBUS	0.01	0.01

Palomino Business Park (Construction - Mitigated) - Riverside-South Coast County, Summer

tblVehicleEF	SBUS	6.6500e-004	6.1000e-005
tblVehicleEF	SBUS	4.2260e-003	0.01
tblVehicleEF	SBUS	0.03	9.5110e-003
tblVehicleEF	SBUS	1.34	4.86
tblVehicleEF	SBUS	2.2070e-003	6.0360e-003
tblVehicleEF	SBUS	0.12	0.11
tblVehicleEF	SBUS	0.02	0.07
tblVehicleEF	SBUS	0.41	0.05
tblVehicleEF	UBUS	1.44	1.3710e-003
tblVehicleEF	UBUS	0.08	0.02
tblVehicleEF	UBUS	7.89	0.07
tblVehicleEF	UBUS	14.42	1.47
tblVehicleEF	UBUS	1,799.80	491.73
tblVehicleEF	UBUS	153.89	18.02
tblVehicleEF	UBUS	4.15	0.05
tblVehicleEF	UBUS	0.49	0.04
tblVehicleEF	UBUS	0.01	3.5230e-003
tblVehicleEF	UBUS	0.04	4.0700e-004
tblVehicleEF	UBUS	1.4590e-003	1.6200e-004
tblVehicleEF	UBUS	0.21	0.02
tblVehicleEF	UBUS	3.0000e-003	8.8100e-004
tblVehicleEF	UBUS	0.04	3.7400e-004
tblVehicleEF	UBUS	1.3420e-003	1.4900e-004
tblVehicleEF	UBUS	9.4280e-003	1.8880e-003
tblVehicleEF	UBUS	0.11	0.01
tblVehicleEF	UBUS	4.6810e-003	3.3750e-003
tblVehicleEF	UBUS	0.46	3.9800e-003

Palomino Business Park (Construction - Mitigated) - Riverside-South Coast County, Summer

tblVehicleEF	UBUS	0.02	0.06
tblVehicleEF	UBUS	1.13	0.08
tblVehicleEF	UBUS	9.6700e-003	4.8660e-003
tblVehicleEF	UBUS	1.8000e-003	1.7800e-004
tblVehicleEF	UBUS	9.4280e-003	1.8880e-003
tblVehicleEF	UBUS	0.11	0.01
tblVehicleEF	UBUS	4.6810e-003	3.3750e-003
tblVehicleEF	UBUS	1.94	5.8410e-003
tblVehicleEF	UBUS	0.02	3.41
tblVehicleEF	UBUS	1.23	0.08
tblVehicleEF	UBUS	1.44	1.4050e-003
tblVehicleEF	UBUS	0.08	0.02
tblVehicleEF	UBUS	7.95	0.07
tblVehicleEF	UBUS	12.35	1.25
tblVehicleEF	UBUS	1,799.80	491.73
tblVehicleEF	UBUS	153.89	17.65
tblVehicleEF	UBUS	3.87	0.04
tblVehicleEF	UBUS	0.49	0.04
tblVehicleEF	UBUS	0.01	3.5230e-003
tblVehicleEF	UBUS	0.04	4.0700e-004
tblVehicleEF	UBUS	1.4590e-003	1.6200e-004
tblVehicleEF	UBUS	0.21	0.02
tblVehicleEF	UBUS	3.0000e-003	8.8100e-004
tblVehicleEF	UBUS	0.04	3.7400e-004
tblVehicleEF	UBUS	1.3420e-003	1.4900e-004
tblVehicleEF	UBUS	0.02	3.3540e-003
tblVehicleEF	UBUS	0.13	0.01

Palomino Business Park (Construction - Mitigated) - Riverside-South Coast County, Summer

tblVehicleEF	UBUS	9.3920e-003	6.7180e-003
tblVehicleEF	UBUS	0.47	4.0760e-003
tblVehicleEF	UBUS	0.02	0.06
tblVehicleEF	UBUS	1.03	0.07
tblVehicleEF	UBUS	9.6710e-003	4.8660e-003
tblVehicleEF	UBUS	1.7640e-003	1.7500e-004
tblVehicleEF	UBUS	0.02	3.3540e-003
tblVehicleEF	UBUS	0.13	0.01
tblVehicleEF	UBUS	9.3920e-003	6.7180e-003
tblVehicleEF	UBUS	1.95	5.9820e-003
tblVehicleEF	UBUS	0.02	3.41
tblVehicleEF	UBUS	1.12	0.08
tblVehicleEF	UBUS	1.44	1.3740e-003
tblVehicleEF	UBUS	0.08	0.02
tblVehicleEF	UBUS	7.88	0.07
tblVehicleEF	UBUS	14.60	1.46
tblVehicleEF	UBUS	1,799.80	491.73
tblVehicleEF	UBUS	153.89	18.00
tblVehicleEF	UBUS	4.12	0.05
tblVehicleEF	UBUS	0.49	0.04
tblVehicleEF	UBUS	0.01	3.5230e-003
tblVehicleEF	UBUS	0.04	4.0700e-004
tblVehicleEF	UBUS	1.4590e-003	1.6200e-004
tblVehicleEF	UBUS	0.21	0.02
tblVehicleEF	UBUS	3.0000e-003	8.8100e-004
tblVehicleEF	UBUS	0.04	3.7400e-004
tblVehicleEF	UBUS	1.3420e-003	1.4900e-004

Palomino Business Park (Construction - Mitigated) - Riverside-South Coast County, Summer

tblVehicleEF	UBUS	8.6090e-003	1.9290e-003
tblVehicleEF	UBUS	0.13	0.01
tblVehicleEF	UBUS	4.2750e-003	3.5400e-003
tblVehicleEF	UBUS	0.46	3.9890e-003
tblVehicleEF	UBUS	0.03	0.07
tblVehicleEF	UBUS	1.13	0.08
tblVehicleEF	UBUS	9.6700e-003	4.8660e-003
tblVehicleEF	UBUS	1.8030e-003	1.7800e-004
tblVehicleEF	UBUS	8.6090e-003	1.9290e-003
tblVehicleEF	UBUS	0.13	0.01
tblVehicleEF	UBUS	4.2750e-003	3.5400e-003
tblVehicleEF	UBUS	1.94	5.8540e-003
tblVehicleEF	UBUS	0.03	3.42
tblVehicleEF	UBUS	1.24	0.08
tblVehicleTrips	ST_TR	204.47	0.00
tblVehicleTrips	ST_TR	696.00	0.00
tblVehicleTrips	ST_TR	722.03	0.00
tblVehicleTrips	ST_TR	2.49	0.00
tblVehicleTrips	ST_TR	1.68	0.00
tblVehicleTrips	ST_TR	49.97	0.00
tblVehicleTrips	SU_TR	166.88	0.00
tblVehicleTrips	SU_TR	500.00	0.00
tblVehicleTrips	SU_TR	542.72	0.00
tblVehicleTrips	SU_TR	0.73	0.00
tblVehicleTrips	SU_TR	1.68	0.00
tblVehicleTrips	SU_TR	25.24	0.00
tblVehicleTrips	WD_TR	542.60	0.00

Palomino Business Park (Construction - Mitigated) - Riverside-South Coast County, Summer

tblVehicleTrips	WD_TR	716.00	0.00
tblVehicleTrips	WD_TR	496.12	0.00
tblVehicleTrips	WD_TR	6.83	0.00
tblVehicleTrips	WD_TR	1.68	0.00
tblVehicleTrips	WD_TR	42.70	0.00
tblWater	IndoorWaterUseRate	125,486.15	0.00
tblWater	IndoorWaterUseRate	1,979,039.81	0.00
tblWater	IndoorWaterUseRate	1,299,124.29	0.00
tblWater	IndoorWaterUseRate	329,868,875.00	0.00
tblWater	IndoorWaterUseRate	139,242,562.50	0.00
tblWater	IndoorWaterUseRate	482,952.84	0.00
tblWater	OutdoorWaterUseRate	76,910.87	0.00
tblWater	OutdoorWaterUseRate	126,321.69	0.00
tblWater	OutdoorWaterUseRate	82,922.83	0.00
tblWater	OutdoorWaterUseRate	296,003.35	0.00

2.0 Emissions Summary

Palomino Business Park (Construction - Mitigated) - Riverside-South Coast County, Summer

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

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Year	lb/day										lb/day					
2020	13.1003	159.8639	76.6664	0.2348	43.6598	5.8910	49.5508	16.9234	5.4221	22.3455	0.0000	23,364.98 47	23,364.98 47	5.5724	0.0000	23,504.29 33
2021	14.7178	147.8746	114.3277	0.4715	34.8147	5.4247	40.2394	14.7523	4.9928	19.7451	0.0000	47,958.63 06	47,958.63 06	5.5562	0.0000	48,033.78 90
2022	65.7893	107.0810	128.4163	0.5158	32.7169	1.8530	34.5699	8.7934	1.7690	10.5625	0.0000	52,315.20 04	52,315.20 04	3.0288	0.0000	52,390.92 00
Maximum	65.7893	159.8639	128.4163	0.5158	43.6598	5.8910	49.5508	16.9234	5.4221	22.3455	0.0000	52,315.20 04	52,315.20 04	5.5724	0.0000	52,390.92 00

Mitigated Construction

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Year	lb/day										lb/day					
2020	4.0330	44.3996	78.9230	0.2348	19.4916	1.0104	20.5020	6.4374	0.9492	7.3867	0.0000	23,364.98 47	23,364.98 47	5.5724	0.0000	23,504.29 33
2021	14.0338	99.0512	115.5607	0.4715	28.1231	1.3658	29.4889	7.5752	1.3020	8.8772	0.0000	47,958.63 06	47,958.63 06	5.5562	0.0000	48,033.78 90
2022	65.1851	99.3268	129.8302	0.5158	32.7169	1.5244	34.2413	8.7934	1.4683	10.2617	0.0000	52,315.20 04	52,315.20 04	3.0288	0.0000	52,390.91 99
Maximum	65.1851	99.3268	129.8302	0.5158	32.7169	1.5244	34.2413	8.7934	1.4683	10.2617	0.0000	52,315.20 04	52,315.20 04	5.5724	0.0000	52,390.91 99

Palomino Business Park (Construction - Mitigated) - Riverside-South Coast County, Summer

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N2O	CO2e
Percent Reduction	11.06	41.47	-1.54	0.00	27.75	70.38	32.27	43.65	69.47	49.62	0.00	0.00	0.00	0.00	0.00	0.00

Palomino Business Park (Construction - Mitigated) - Riverside-South Coast County, Summer

2.2 Overall Operational**Unmitigated Operational**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Area	47.0620	3.9100e-003	0.4282	3.0000e-005		1.5300e-003	1.5300e-003		1.5300e-003	1.5300e-003		0.9164	0.9164	2.4200e-003		0.9768
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	47.0620	3.9100e-003	0.4282	3.0000e-005	0.0000	1.5300e-003	1.5300e-003	0.0000	1.5300e-003	1.5300e-003		0.9164	0.9164	2.4200e-003	0.0000	0.9768

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	47.0620	3.9100e-003	0.4282	3.0000e-005		1.5300e-003	1.5300e-003		1.5300e-003	1.5300e-003		0.9164	0.9164	2.4200e-003		0.9768
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	47.0620	3.9100e-003	0.4282	3.0000e-005	0.0000	1.5300e-003	1.5300e-003	0.0000	1.5300e-003	1.5300e-003		0.9164	0.9164	2.4200e-003	0.0000	0.9768

Palomino Business Park (Construction - Mitigated) - Riverside-South Coast County, Summer

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

3.0 Construction Detail**Construction Phase**

Phase Number	Phase Name	Phase Type	Start Date	End Date	Num Days Week	Num Days	Phase Description
1	Demolition	Demolition	7/5/2020	8/28/2020	5	40	
2	Site Preparation	Site Preparation	8/29/2020	12/18/2020	5	80	
3	Grading	Grading	12/19/2020	4/9/2021	5	80	
4	Building Construction	Building Construction	4/10/2021	6/3/2022	5	300	
5	Architectural Coating	Architectural Coating	1/1/2022	10/7/2022	5	200	
6	Paving	Paving	8/13/2022	10/7/2022	5	40	

Acres of Grading (Site Preparation Phase): 280**Acres of Grading (Grading Phase): 640****Acres of Paving: 65.38****Residential Indoor: 0; Residential Outdoor: 0; Non-Residential Indoor: 3,075,000; Non-Residential Outdoor: 1,025,000; Striped Parking Area: 170,873 (Architectural Coating – sqft)****OffRoad Equipment**

Palomino Business Park (Construction - Mitigated) - Riverside-South Coast County, Summer

Phase Name	Offroad Equipment Type	Amount	Usage Hours	Horse Power	Load Factor
Demolition	Concrete/Industrial Saws	1	8.00	81	0.73
Demolition	Crushing/Proc. Equipment	1	8.00	85	0.78
Demolition	Excavators	2	8.00	158	0.38
Demolition	Rubber Tired Dozers	2	8.00	247	0.40
Site Preparation	Crawler Tractors	4	8.00	212	0.43
Site Preparation	Rubber Tired Dozers	3	8.00	247	0.40
Site Preparation	Tractors/Loaders/Backhoes	0	8.00	97	0.37
Grading	Excavators	2	8.00	158	0.38
Grading	Graders	4	8.00	187	0.41
Grading	Off-Highway Trucks	2	8.00	402	0.38
Grading	Rubber Tired Dozers	4	8.00	247	0.40
Grading	Scrapers	4	8.00	367	0.48
Grading	Tractors/Loaders/Backhoes	2	8.00	97	0.37
Building Construction	Cranes	2	8.00	231	0.29
Building Construction	Forklifts	3	8.00	89	0.20
Building Construction	Generator Sets	2	8.00	84	0.74
Building Construction	Tractors/Loaders/Backhoes	3	8.00	97	0.37
Building Construction	Welders	2	8.00	46	0.45
Architectural Coating	Air Compressors	3	8.00	78	0.48
Paving	Pavers	2	8.00	130	0.42
Paving	Paving Equipment	2	8.00	132	0.36
Paving	Rollers	2	8.00	80	0.38

Trips and VMT

Palomino Business Park (Construction - Mitigated) - Riverside-South Coast County, Summer

Phase Name	Offroad Equipment Count	Worker Trip Number	Vendor Trip Number	Hauling Trip Number	Worker Trip Length	Vendor Trip Length	Hauling Trip Length	Worker Vehicle Class	Vendor Vehicle Class	Hauling Vehicle Class
Demolition	6	15.00	0.00	1,365.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Site Preparation	7	18.00	0.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Grading	18	45.00	0.00	6,895.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Building Construction	12	2,056.00	803.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Architectural Coating	3	411.00	0.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Paving	6	15.00	0.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT

3.1 Mitigation Measures Construction

Use Cleaner Engines for Construction Equipment

Water Exposed Area

3.2 Demolition - 2020**Unmitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					7.4282	0.0000	7.4282	1.1247	0.0000	1.1247			0.0000			0.0000
Off-Road	3.6202	34.5875	22.8377	0.0407		1.7827	1.7827		1.6752	1.6752		3,912.1166	3,912.1166	0.9453		3,935.7494
Total	3.6202	34.5875	22.8377	0.0407	7.4282	1.7827	9.2109	1.1247	1.6752	2.7999		3,912.1166	3,912.1166	0.9453		3,935.7494

Palomino Business Park (Construction - Mitigated) - Riverside-South Coast County, Summer

3.2 Demolition - 2020**Unmitigated Construction Off-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.1755	8.0803	0.9970	0.0260	0.5970	0.0257	0.6227	0.1637	0.0246	0.1883		2,756.5058	2,756.5058	0.1643		2,760.6126
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	0.0763	0.0451	0.6048	1.6600e-003	0.1677	1.0200e-003	0.1687	0.0445	9.3000e-004	0.0454		165.2392	165.2392	4.2400e-003		165.3451
Total	0.2518	8.1255	1.6018	0.0276	0.7646	0.0268	0.7914	0.2081	0.0256	0.2337		2,921.7450	2,921.7450	0.1685		2,925.9576

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					1.9313	0.0000	1.9313	0.2924	0.0000	0.2924			0.0000			0.0000
Off-Road	1.3075	8.5545	23.5420	0.0407		0.4839	0.4839		0.4839	0.4839	0.0000	3,912.1166	3,912.1166	0.9453		3,935.7494
Total	1.3075	8.5545	23.5420	0.0407	1.9313	0.4839	2.4152	0.2924	0.4839	0.7763	0.0000	3,912.1166	3,912.1166	0.9453		3,935.7494

Palomino Business Park (Construction - Mitigated) - Riverside-South Coast County, Summer

3.2 Demolition - 2020**Mitigated Construction Off-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.1755	8.0803	0.9970	0.0260	0.5970	0.0257	0.6227	0.1637	0.0246	0.1883		2,756.5058	2,756.5058	0.1643		2,760.6126
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	0.0763	0.0451	0.6048	1.6600e-003	0.1677	1.0200e-003	0.1687	0.0445	9.3000e-004	0.0454		165.2392	165.2392	4.2400e-003		165.3451
Total	0.2518	8.1255	1.6018	0.0276	0.7646	0.0268	0.7914	0.2081	0.0256	0.2337		2,921.7450	2,921.7450	0.1685		2,925.9576

3.3 Site Preparation - 2020**Unmitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					21.7780	0.0000	21.7780	10.3315	0.0000	10.3315			0.0000			0.0000
Off-Road	5.5539	63.7874	22.3947	0.0570		2.7875	2.7875		2.5645	2.5645		5,523.5812	5,523.5812	1.7864		5,568.2421
Total	5.5539	63.7874	22.3947	0.0570	21.7780	2.7875	24.5655	10.3315	2.5645	12.8960		5,523.5812	5,523.5812	1.7864		5,568.2421

Palomino Business Park (Construction - Mitigated) - Riverside-South Coast County, Summer

3.3 Site Preparation - 2020**Unmitigated Construction Off-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	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	0.0916	0.0542	0.7258	1.9900e-003	0.2012	1.2200e-003	0.2024	0.0534	1.1200e-003	0.0545		198.2870	198.2870	5.0800e-003		198.4141
Total	0.0916	0.0542	0.7258	1.9900e-003	0.2012	1.2200e-003	0.2024	0.0534	1.1200e-003	0.0545		198.2870	198.2870	5.0800e-003		198.4141

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					5.6623	0.0000	5.6623	2.6862	0.0000	2.6862			0.0000			0.0000
Off-Road	0.6995	3.0313	25.6493	0.0570		0.0933	0.0933		0.0933	0.0933	0.0000	5,523.581 2	5,523.581 2	1.7864		5,568.242 1
Total	0.6995	3.0313	25.6493	0.0570	5.6623	0.0933	5.7556	2.6862	0.0933	2.7795	0.0000	5,523.581 2	5,523.581 2	1.7864		5,568.242 1

Palomino Business Park (Construction - Mitigated) - Riverside-South Coast County, Summer

3.3 Site Preparation - 2020**Mitigated Construction Off-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	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	0.0916	0.0542	0.7258	1.9900e-003	0.2012	1.2200e-003	0.2024	0.0534	1.1200e-003	0.0545		198.2870	198.2870	5.0800e-003		198.4141
Total	0.0916	0.0542	0.7258	1.9900e-003	0.2012	1.2200e-003	0.2024	0.0534	1.1200e-003	0.0545		198.2870	198.2870	5.0800e-003		198.4141

3.4 Grading - 2020**Unmitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					32.6597	0.0000	32.6597	14.1702	0.0000	14.1702			0.0000			0.0000
Off-Road	12.4281	139.3205	72.3339	0.1642		5.8230	5.8230		5.3571	5.3571		15,907.3230	15,907.3230	5.1448		16,035.9418
Total	12.4281	139.3205	72.3339	0.1642	32.6597	5.8230	38.4826	14.1702	5.3571	19.5273		15,907.3230	15,907.3230	5.1448		16,035.9418

Palomino Business Park (Construction - Mitigated) - Riverside-South Coast County, Summer

3.4 Grading - 2020**Unmitigated Construction Off-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.4433	20.4080	2.5181	0.0656	10.4971	0.0650	10.5621	2.6198	0.0622	2.6820		6,961.944 1	6,961.944 1	0.4149		6,972.316 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	0.2290	0.1354	1.8145	4.9800e-003	0.5030	3.0500e-003	0.5060	0.1334	2.8000e-003	0.1362		495.7175	495.7175	0.0127		496.0352
Total	0.6723	20.5434	4.3325	0.0706	11.0001	0.0681	11.0682	2.7532	0.0650	2.8182		7,457.661 7	7,457.661 7	0.4276		7,468.351 5

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					8.4915	0.0000	8.4915	3.6843	0.0000	3.6843			0.0000			0.0000
Off-Road	3.3607	23.8562	74.5905	0.1642		0.9424	0.9424		0.8842	0.8842	0.0000	15,907.32 30	15,907.32 30	5.1448		16,035.94 18
Total	3.3607	23.8562	74.5905	0.1642	8.4915	0.9424	9.4339	3.6843	0.8842	4.5685	0.0000	15,907.32 30	15,907.32 30	5.1448		16,035.94 18

Palomino Business Park (Construction - Mitigated) - Riverside-South Coast County, Summer

3.4 Grading - 2020**Mitigated Construction Off-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.4433	20.4080	2.5181	0.0656	10.4971	0.0650	10.5621	2.6198	0.0622	2.6820		6,961.944 1	6,961.944 1	0.4149		6,972.316 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	0.2290	0.1354	1.8145	4.9800e-003	0.5030	3.0500e-003	0.5060	0.1334	2.8000e-003	0.1362		495.7175	495.7175	0.0127		496.0352
Total	0.6723	20.5434	4.3325	0.0706	11.0001	0.0681	11.0682	2.7532	0.0650	2.8182		7,457.661 7	7,457.661 7	0.4276		7,468.351 5

3.4 Grading - 2021**Unmitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					32.6597	0.0000	32.6597	14.1702	0.0000	14.1702			0.0000			0.0000
Off-Road	11.7599	129.0197	69.5114	0.1642		5.3647	5.3647		4.9355	4.9355		15,907.02 14	15,907.02 14	5.1447		16,035.63 77
Total	11.7599	129.0197	69.5114	0.1642	32.6597	5.3647	38.0243	14.1702	4.9355	19.1057		15,907.02 14	15,907.02 14	5.1447		16,035.63 77

Palomino Business Park (Construction - Mitigated) - Riverside-South Coast County, Summer

3.4 Grading - 2021**Unmitigated Construction Off-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.4195	18.7334	2.4634	0.0649	1.6521	0.0570	1.7091	0.4487	0.0546	0.5033		6,889.2689	6,889.2689	0.4002		6,899.2727
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	0.2133	0.1215	1.6637	4.8100e-003	0.5030	2.9600e-003	0.5060	0.1334	2.7300e-003	0.1361		479.1379	479.1379	0.0114		479.4235
Total	0.6329	18.8549	4.1271	0.0697	2.1551	0.0600	2.2151	0.5821	0.0573	0.6394		7,368.4068	7,368.4068	0.4116		7,378.6962

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					8.4915	0.0000	8.4915	3.6843	0.0000	3.6843			0.0000			0.0000
Off-Road	3.2018	21.3188	74.1401	0.1642		0.8251	0.8251		0.7763	0.7763	0.0000	15,907.0214	15,907.0214	5.1447		16,035.6377
Total	3.2018	21.3188	74.1401	0.1642	8.4915	0.8251	9.3166	3.6843	0.7763	4.4605	0.0000	15,907.0214	15,907.0214	5.1447		16,035.6377

Palomino Business Park (Construction - Mitigated) - Riverside-South Coast County, Summer

3.4 Grading - 2021**Mitigated Construction Off-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.4195	18.7334	2.4634	0.0649	1.6521	0.0570	1.7091	0.4487	0.0546	0.5033		6,889.2689	6,889.2689	0.4002		6,899.2727
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	0.2133	0.1215	1.6637	4.8100e-003	0.5030	2.9600e-003	0.5060	0.1334	2.7300e-003	0.1361		479.1379	479.1379	0.0114		479.4235
Total	0.6329	18.8549	4.1271	0.0697	2.1551	0.0600	2.2151	0.5821	0.0573	0.6394		7,368.4068	7,368.4068	0.4116		7,378.6962

3.5 Building Construction - 2021**Unmitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	3.0957	28.2736	25.0570	0.0437		1.4639	1.4639		1.3855	1.3855		4,125.2948	4,125.2948	0.9146		4,148.1602
Total	3.0957	28.2736	25.0570	0.0437		1.4639	1.4639		1.3855	1.3855		4,125.2948	4,125.2948	0.9146		4,148.1602

Palomino Business Park (Construction - Mitigated) - Riverside-South Coast County, Summer

3.5 Building Construction - 2021**Unmitigated Construction Off-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	1.8747	74.3089	13.2580	0.2081	5.1419	0.1414	5.2833	1.4804	0.1352	1.6156		21,942.0571	21,942.0571	1.5697		21,981.3006
Worker	9.7474	5.5530	76.0127	0.2197	22.9812	0.1354	23.1167	6.0947	0.1247	6.2194		21,891.2787	21,891.2787	0.5220		21,904.3282
Total	11.6221	79.8620	89.2707	0.4278	28.1231	0.2768	28.3999	7.5752	0.2599	7.8351		43,833.3358	43,833.3358	2.0917		43,885.6288

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	2.4117	19.1893	26.2899	0.0437		1.0890	1.0890		1.0421	1.0421	0.0000	4,125.2948	4,125.2948	0.9146		4,148.1602
Total	2.4117	19.1893	26.2899	0.0437		1.0890	1.0890		1.0421	1.0421	0.0000	4,125.2948	4,125.2948	0.9146		4,148.1602

Palomino Business Park (Construction - Mitigated) - Riverside-South Coast County, Summer

3.5 Building Construction - 2021**Mitigated Construction Off-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	1.8747	74.3089	13.2580	0.2081	5.1419	0.1414	5.2833	1.4804	0.1352	1.6156		21,942.0571	21,942.0571	1.5697		21,981.3006
Worker	9.7474	5.5530	76.0127	0.2197	22.9812	0.1354	23.1167	6.0947	0.1247	6.2194		21,891.2787	21,891.2787	0.5220		21,904.3282
Total	11.6221	79.8620	89.2707	0.4278	28.1231	0.2768	28.3999	7.5752	0.2599	7.8351		43,833.3358	43,833.3358	2.0917		43,885.6288

3.5 Building Construction - 2022**Unmitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	2.7943	25.3425	24.7033	0.0437		1.2491	1.2491		1.1829	1.1829		4,126.4946	4,126.4946	0.9062		4,149.1505
Total	2.7943	25.3425	24.7033	0.0437		1.2491	1.2491		1.1829	1.1829		4,126.4946	4,126.4946	0.9062		4,149.1505

Palomino Business Park (Construction - Mitigated) - Riverside-South Coast County, Summer

3.5 Building Construction - 2022**Unmitigated Construction Off-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	1.7480	70.1083	12.3314	0.2062	5.1417	0.1188	5.2605	1.4804	0.1136	1.5940		21,755.29 19	21,755.29 19	1.4867		21,792.45 82
Worker	9.1174	4.9973	70.1117	0.2116	22.9812	0.1319	23.1131	6.0947	0.1214	6.2161		21,091.39 45	21,091.39 45	0.4689		21,103.11 62
Total	10.8654	75.1056	82.4431	0.4179	28.1229	0.2507	28.3736	7.5751	0.2350	7.8101		42,846.68 64	42,846.68 64	1.9555		42,895.57 44

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	2.1902	17.5883	26.1172	0.0437		0.9205	0.9205		0.8821	0.8821	0.0000	4,126.494 6	4,126.494 6	0.9062		4,149.150 5
Total	2.1902	17.5883	26.1172	0.0437		0.9205	0.9205		0.8821	0.8821	0.0000	4,126.494 6	4,126.494 6	0.9062		4,149.150 5

Palomino Business Park (Construction - Mitigated) - Riverside-South Coast County, Summer

3.5 Building Construction - 2022**Mitigated Construction Off-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	1.7480	70.1083	12.3314	0.2062	5.1417	0.1188	5.2605	1.4804	0.1136	1.5940		21,755.29 19	21,755.29 19	1.4867		21,792.45 82
Worker	9.1174	4.9973	70.1117	0.2116	22.9812	0.1319	23.1131	6.0947	0.1214	6.2161		21,091.39 45	21,091.39 45	0.4689		21,103.11 62
Total	10.8654	75.1056	82.4431	0.4179	28.1229	0.2507	28.3736	7.5751	0.2350	7.8101		42,846.68 64	42,846.68 64	1.9555		42,895.57 44

3.6 Architectural Coating - 2022**Unmitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Archit. Coating	49.4887					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Off-Road	0.8182	5.6339	7.2544	0.0119		0.3269	0.3269		0.3269	0.3269		1,125.792 2	1,125.792 2	0.0733		1,127.624 6
Total	50.3069	5.6339	7.2544	0.0119		0.3269	0.3269		0.3269	0.3269		1,125.792 2	1,125.792 2	0.0733		1,127.624 6

Palomino Business Park (Construction - Mitigated) - Riverside-South Coast County, Summer

3.6 Architectural Coating - 2022**Unmitigated Construction Off-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	1.8226	0.9990	14.0155	0.0423	4.5940	0.0264	4.6204	1.2184	0.0243	1.2426		4,216.227 2	4,216.227 2	0.0937		4,218.570 4
Total	1.8226	0.9990	14.0155	0.0423	4.5940	0.0264	4.6204	1.2184	0.0243	1.2426		4,216.227 2	4,216.227 2	0.0937		4,218.570 4

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Archit. Coating	49.4887					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Off-Road	0.8182	5.6339	7.2544	0.0119		0.3269	0.3269		0.3269	0.3269	0.0000	1,125.792 2	1,125.792 2	0.0733		1,127.624 6
Total	50.3069	5.6339	7.2544	0.0119		0.3269	0.3269		0.3269	0.3269	0.0000	1,125.792 2	1,125.792 2	0.0733		1,127.624 6

Palomino Business Park (Construction - Mitigated) - Riverside-South Coast County, Summer

3.6 Architectural Coating - 2022**Mitigated Construction Off-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	1.8226	0.9990	14.0155	0.0423	4.5940	0.0264	4.6204	1.2184	0.0243	1.2426		4,216.227 2	4,216.227 2	0.0937		4,218.570 4
Total	1.8226	0.9990	14.0155	0.0423	4.5940	0.0264	4.6204	1.2184	0.0243	1.2426		4,216.227 2	4,216.227 2	0.0937		4,218.570 4

3.7 Paving - 2022**Unmitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	1.1028	11.1249	14.5805	0.0228		0.5679	0.5679		0.5225	0.5225		2,207.660 3	2,207.660 3	0.7140		2,225.510 4
Paving	4.2824					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Total	5.3852	11.1249	14.5805	0.0228		0.5679	0.5679		0.5225	0.5225		2,207.660 3	2,207.660 3	0.7140		2,225.510 4

Palomino Business Park (Construction - Mitigated) - Riverside-South Coast County, Summer

3.7 Paving - 2022**Unmitigated Construction Off-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0665	0.0365	0.5115	1.5400e-003	0.1677	9.6000e-004	0.1686	0.0445	8.9000e-004	0.0454		153.8769	153.8769	3.4200e-003		153.9624
Total	0.0665	0.0365	0.5115	1.5400e-003	0.1677	9.6000e-004	0.1686	0.0445	8.9000e-004	0.0454		153.8769	153.8769	3.4200e-003		153.9624

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	1.1028	11.1249	14.5805	0.0228		0.5679	0.5679		0.5225	0.5225	0.0000	2,207.6603	2,207.6603	0.7140		2,225.5104
Paving	4.2824					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Total	5.3852	11.1249	14.5805	0.0228		0.5679	0.5679		0.5225	0.5225	0.0000	2,207.6603	2,207.6603	0.7140		2,225.5104

Palomino Business Park (Construction - Mitigated) - Riverside-South Coast County, Summer

3.7 Paving - 2022**Mitigated Construction Off-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0665	0.0365	0.5115	1.5400e-003	0.1677	9.6000e-004	0.1686	0.0445	8.9000e-004	0.0454		153.8769	153.8769	3.4200e-003		153.9624
Total	0.0665	0.0365	0.5115	1.5400e-003	0.1677	9.6000e-004	0.1686	0.0445	8.9000e-004	0.0454		153.8769	153.8769	3.4200e-003		153.9624

4.0 Operational Detail - Mobile**4.1 Mitigation Measures Mobile**

Palomino Business Park (Construction - Mitigated) - Riverside-South Coast County, Summer

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Mitigated	0.0000	0.0000	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
Convenience Market With Gas Pumps	0.00	0.00	0.00		
Fast Food Restaurant w/o Drive Thru	0.00	0.00	0.00		
Fast Food Restaurant with Drive Thru	0.00	0.00	0.00		
Industrial Park	0.00	0.00	0.00		
Other Asphalt Surfaces	0.00	0.00	0.00		
Parking Lot	0.00	0.00	0.00		
Refrigerated Warehouse-No Rail	0.00	0.00	0.00		
Regional Shopping Center	0.00	0.00	0.00		
Total	0.00	0.00	0.00		

4.3 Trip Type Information

Palomino Business Park (Construction - Mitigated) - Riverside-South Coast County, Summer

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
Convenience Market With Gas	16.60	8.40	6.90	0.80	80.20	19.00	14	21	65
Fast Food Restaurant w/o Drive	16.60	8.40	6.90	1.50	79.50	19.00	51	37	12
Fast Food Restaurant with Drive	16.60	8.40	6.90	2.20	78.80	19.00	29	21	50
Industrial Park	16.60	8.40	6.90	59.00	28.00	13.00	79	19	2
Other Asphalt Surfaces	16.60	8.40	6.90	0.00	0.00	0.00	0	0	0
Parking Lot	16.60	8.40	6.90	0.00	0.00	0.00	0	0	0
Refrigerated Warehouse-No	16.60	8.40	6.90	59.00	0.00	41.00	92	5	3
Regional Shopping Center	16.60	8.40	6.90	16.30	64.70	19.00	54	35	11

4.4 Fleet Mix

Land Use	LDA	LDT1	LDT2	MDV	LHD1	LHD2	MHD	HHD	OBUS	UBUS	MCY	SBUS	MH
Convenience Market With Gas Pumps	0.545527	0.036856	0.186032	0.115338	0.015222	0.004970	0.017525	0.069528	0.001397	0.001160	0.004547	0.000932	0.000965
Fast Food Restaurant w/o Drive Thru	0.545527	0.036856	0.186032	0.115338	0.015222	0.004970	0.017525	0.069528	0.001397	0.001160	0.004547	0.000932	0.000965
Fast Food Restaurant with Drive Thru	0.545527	0.036856	0.186032	0.115338	0.015222	0.004970	0.017525	0.069528	0.001397	0.001160	0.004547	0.000932	0.000965
Industrial Park	0.545527	0.036856	0.186032	0.115338	0.015222	0.004970	0.017525	0.069528	0.001397	0.001160	0.004547	0.000932	0.000965
Other Asphalt Surfaces	0.545527	0.036856	0.186032	0.115338	0.015222	0.004970	0.017525	0.069528	0.001397	0.001160	0.004547	0.000932	0.000965
Parking Lot	0.545527	0.036856	0.186032	0.115338	0.015222	0.004970	0.017525	0.069528	0.001397	0.001160	0.004547	0.000932	0.000965
Refrigerated Warehouse-No Rail	0.545527	0.036856	0.186032	0.115338	0.015222	0.004970	0.017525	0.069528	0.001397	0.001160	0.004547	0.000932	0.000965
Regional Shopping Center	0.545527	0.036856	0.186032	0.115338	0.015222	0.004970	0.017525	0.069528	0.001397	0.001160	0.004547	0.000932	0.000965

5.0 Energy Detail

Historical Energy Use: N

5.1 Mitigation Measures Energy

Palomino Business Park (Construction - Mitigated) - Riverside-South Coast County, Summer

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
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

Palomino Business Park (Construction - Mitigated) - Riverside-South Coast County, Summer

5.2 Energy by Land Use - NaturalGas**Unmitigated**

	NaturalGas Use	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Land Use	kBTU/yr	lb/day										lb/day					
Convenience Market With Gas Pumps	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
Fast Food Restaurant w/o Drive Thru	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
Fast Food Restaurant with Drive Thru	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
Industrial Park	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Other Asphalt Surfaces	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Parking Lot	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Refrigerated Warehouse-No Rail	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
Regional Shopping Center	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

Palomino Business Park (Construction - Mitigated) - Riverside-South Coast County, Summer

5.2 Energy by Land Use - NaturalGas**Mitigated**

	NaturalGas Use	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Land Use	kBTU/yr	lb/day										lb/day					
Convenience Market With Gas Pumps	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
Fast Food Restaurant w/o Drive Thru	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
Fast Food Restaurant with Drive Thru	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
Industrial Park	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Other Asphalt Surfaces	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Parking Lot	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Refrigerated Warehouse-No Rail	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
Regional Shopping Center	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**

Palomino Business Park (Construction - Mitigated) - Riverside-South Coast County, Summer

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Mitigated	47.0620	3.9100e-003	0.4282	3.0000e-005		1.5300e-003	1.5300e-003		1.5300e-003	1.5300e-003		0.9164	0.9164	2.4200e-003		0.9768
Unmitigated	47.0620	3.9100e-003	0.4282	3.0000e-005		1.5300e-003	1.5300e-003		1.5300e-003	1.5300e-003		0.9164	0.9164	2.4200e-003		0.9768

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	5.4234					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Consumer Products	41.5987					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Landscaping	0.0398	3.9100e-003	0.4282	3.0000e-005		1.5300e-003	1.5300e-003		1.5300e-003	1.5300e-003		0.9164	0.9164	2.4200e-003		0.9768
Total	47.0620	3.9100e-003	0.4282	3.0000e-005		1.5300e-003	1.5300e-003		1.5300e-003	1.5300e-003		0.9164	0.9164	2.4200e-003		0.9768

Palomino Business Park (Construction - Mitigated) - Riverside-South Coast County, Summer

6.2 Area by SubCategory**Mitigated**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
SubCategory	lb/day										lb/day					
Architectural Coating	5.4234					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Consumer Products	41.5987					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Landscaping	0.0398	3.9100e-003	0.4282	3.0000e-005		1.5300e-003	1.5300e-003		1.5300e-003	1.5300e-003		0.9164	0.9164	2.4200e-003		0.9768
Total	47.0620	3.9100e-003	0.4282	3.0000e-005		1.5300e-003	1.5300e-003		1.5300e-003	1.5300e-003		0.9164	0.9164	2.4200e-003		0.9768

7.0 Water Detail**7.1 Mitigation Measures Water****8.0 Waste Detail****8.1 Mitigation Measures Waste****9.0 Operational Offroad**

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

10.0 Stationary Equipment**Fire Pumps and Emergency Generators**

Palomino Business Park (Construction - Mitigated) - Riverside-South Coast County, Summer

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

Boilers

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

User Defined Equipment

Equipment Type	Number
----------------	--------

11.0 Vegetation

Palomino Business Park (Construction - Mitigated) - Riverside-South Coast County, Winter

Palomino Business Park (Construction - Mitigated)**Riverside-South Coast County, Winter****1.0 Project Characteristics****1.1 Land Usage**

Land Uses	Size	Metric	Lot Acreage	Floor Surface Area	Population
Industrial Park	1,426.46	1000sqft	32.75	1,426,460.00	0
Refrigerated Warehouse-No Rail	602.13	1000sqft	13.82	602,130.00	0
Other Asphalt Surfaces	46.25	Acre	46.25	2,014,686.40	0
Parking Lot	2,083.00	Space	19.13	833,200.00	0
Fast Food Restaurant w/o Drive Thru	6.52	1000sqft	0.15	6,520.00	0
Fast Food Restaurant with Drive Thru	4.28	1000sqft	0.10	4,275.00	0
Convenience Market With Gas Pumps	12.00	Pump	0.09	4,095.00	0
Regional Shopping Center	6.52	1000sqft	0.15	6,520.00	0

1.2 Other Project Characteristics

Urbanization	Urban	Wind Speed (m/s)	2.4	Precipitation Freq (Days)	28
Climate Zone	10			Operational Year	2022
Utility Company	Southern California Edison				
CO2 Intensity (lb/MW hr)	702.44	CH4 Intensity (lb/MW hr)	0.029	N2O Intensity (lb/MW hr)	0.006

1.3 User Entered Comments & Non-Default Data

Palomino Business Park (Construction - Mitigated) - Riverside-South Coast County, Winter

Project Characteristics -

Land Use - Total Project Area is 112.44 acres.

Construction Phase - Construction Schedule adjusted to meet the 2022 opening year.

Off-road Equipment - Construction Equipment based on similar projects.

Off-road Equipment - Construction Equipment based on similar projects.

Off-road Equipment - Construction Equipment based on similar projects.

Off-road Equipment - Construction Equipment based on similar projects.

Off-road Equipment -

Off-road Equipment - Construction Equipment based on similar projects.

Demolition -

Grading - For analytical purposes, it will be assumed that a Total of 3.5 acres per day will be disturbed during site preparation and 8 acres per day will be disturbed during grading.

Architectural Coating - Rule 1113

Vehicle Trips - Construction Run Only.

Energy Use - Construction Run Only.

Water And Wastewater - Construction Run Only.

Solid Waste - Construction Run Only.

Construction Off-road Equipment Mitigation - All equipment operating at >150 HP are required to be equipped with Tier 4 Final or better engines. Increase watering to 4 times per day.

Vehicle Emission Factors - EMFAC2017

Vehicle Emission Factors - EMFAC2017

Vehicle Emission Factors - EMFAC2017

Table Name	Column Name	Default Value	New Value
tblArchitecturalCoating	EF_Nonresidential_Exterior	100.00	50.00
tblArchitecturalCoating	EF_Nonresidential_Interior	100.00	50.00
tblArchitecturalCoating	EF_Parking	100.00	50.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	2.00

Palomino Business Park (Construction - Mitigated) - Riverside-South Coast County, Winter

tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	4.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	4.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	4.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	9.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	4.00
tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstructionPhase	NumDays	200.00	40.00
tblConstructionPhase	NumDays	120.00	80.00
tblConstructionPhase	NumDays	310.00	80.00
tblConstructionPhase	NumDays	3,100.00	300.00
tblConstructionPhase	NumDays	220.00	200.00
tblConstructionPhase	NumDays	220.00	40.00
tblEnergyUse	LightingElect	5.61	0.00
tblEnergyUse	LightingElect	6.62	0.00
tblEnergyUse	LightingElect	6.62	0.00
tblEnergyUse	LightingElect	3.66	0.00
tblEnergyUse	LightingElect	0.35	0.00
tblEnergyUse	LightingElect	2.37	0.00
tblEnergyUse	LightingElect	5.61	0.00
tblEnergyUse	NT24E	2.44	0.00
tblEnergyUse	NT24E	28.48	0.00
tblEnergyUse	NT24E	28.48	0.00

Palomino Business Park (Construction - Mitigated) - Riverside-South Coast County, Winter

tblEnergyUse	NT24E	2.79	0.00
tblEnergyUse	NT24E	36.52	0.00
tblEnergyUse	NT24E	2.44	0.00
tblEnergyUse	NT24NG	0.30	0.00
tblEnergyUse	NT24NG	195.77	0.00
tblEnergyUse	NT24NG	195.77	0.00
tblEnergyUse	NT24NG	48.51	0.00
tblEnergyUse	NT24NG	0.30	0.00
tblEnergyUse	T24E	4.58	0.00
tblEnergyUse	T24E	12.38	0.00
tblEnergyUse	T24E	12.38	0.00
tblEnergyUse	T24E	3.07	0.00
tblEnergyUse	T24E	1.06	0.00
tblEnergyUse	T24E	4.58	0.00
tblEnergyUse	T24NG	1.92	0.00
tblEnergyUse	T24NG	77.67	0.00
tblEnergyUse	T24NG	77.67	0.00
tblEnergyUse	T24NG	3.47	0.00
tblEnergyUse	T24NG	3.25	0.00
tblEnergyUse	T24NG	1.92	0.00
tblGrading	AcresOfGrading	480.00	640.00
tblGrading	AcresOfGrading	160.00	280.00
tblGrading	MaterialImported	0.00	55,160.00
tblLandUse	LandUseSquareFeet	2,014,650.00	2,014,686.40
tblLandUse	LandUseSquareFeet	1,694.10	4,095.00
tblLandUse	LotAcreage	18.75	19.13
tblLandUse	LotAcreage	0.04	0.09

Palomino Business Park (Construction - Mitigated) - Riverside-South Coast County, Winter

tblOffRoadEquipment	OffRoadEquipmentUnitAmount	3.00	2.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	4.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	4.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	4.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	2.00	4.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	2.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	2.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	2.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	3.00
tblOffRoadEquipment	UsageHours	6.00	8.00
tblOffRoadEquipment	UsageHours	7.00	8.00
tblOffRoadEquipment	UsageHours	7.00	8.00
tblSolidWaste	SolidWasteGenerationRate	75.10	0.00
tblSolidWaste	SolidWasteGenerationRate	49.30	0.00
tblSolidWaste	SolidWasteGenerationRate	1,768.81	0.00
tblSolidWaste	SolidWasteGenerationRate	566.00	0.00
tblSolidWaste	SolidWasteGenerationRate	6.85	0.00
tblVehicleEF	HHD	1.36	0.30
tblVehicleEF	HHD	0.03	1.9120e-003
tblVehicleEF	HHD	0.09	0.00
tblVehicleEF	HHD	3.11	90.32
tblVehicleEF	HHD	0.45	0.21
tblVehicleEF	HHD	1.41	2.7310e-003
tblVehicleEF	HHD	6,423.61	16,229.58
tblVehicleEF	HHD	1,444.51	1,307.27
tblVehicleEF	HHD	4.59	0.02
tblVehicleEF	HHD	24.87	83.39

Palomino Business Park (Construction - Mitigated) - Riverside-South Coast County, Winter

tblVehicleEF	HHD	2.31	2.57
tblVehicleEF	HHD	0.01	0.04
tblVehicleEF	HHD	0.06	0.06
tblVehicleEF	HHD	0.04	0.04
tblVehicleEF	HHD	0.01	0.03
tblVehicleEF	HHD	3.7000e-005	0.00
tblVehicleEF	HHD	0.01	0.04
tblVehicleEF	HHD	0.03	0.03
tblVehicleEF	HHD	8.8650e-003	8.8670e-003
tblVehicleEF	HHD	0.01	0.03
tblVehicleEF	HHD	3.4000e-005	0.00
tblVehicleEF	HHD	7.3000e-005	1.9000e-005
tblVehicleEF	HHD	2.3460e-003	6.0000e-005
tblVehicleEF	HHD	0.80	6.49
tblVehicleEF	HHD	4.3000e-005	1.1000e-005
tblVehicleEF	HHD	0.06	0.04
tblVehicleEF	HHD	1.5800e-004	2.7500e-004
tblVehicleEF	HHD	0.04	1.0000e-006
tblVehicleEF	HHD	0.06	0.15
tblVehicleEF	HHD	0.01	0.01
tblVehicleEF	HHD	6.9000e-005	0.00
tblVehicleEF	HHD	7.3000e-005	1.9000e-005
tblVehicleEF	HHD	2.3460e-003	6.0000e-005
tblVehicleEF	HHD	0.92	7.39
tblVehicleEF	HHD	4.3000e-005	1.1000e-005
tblVehicleEF	HHD	0.10	0.05
tblVehicleEF	HHD	1.5800e-004	2.7500e-004

Palomino Business Park (Construction - Mitigated) - Riverside-South Coast County, Winter

tblVehicleEF	HHD	0.04	1.0000e-006
tblVehicleEF	HHD	1.28	0.32
tblVehicleEF	HHD	0.03	1.9130e-003
tblVehicleEF	HHD	0.09	0.00
tblVehicleEF	HHD	2.26	88.63
tblVehicleEF	HHD	0.45	0.21
tblVehicleEF	HHD	1.34	2.5850e-003
tblVehicleEF	HHD	6,805.04	16,128.04
tblVehicleEF	HHD	1,444.51	1,307.27
tblVehicleEF	HHD	4.59	0.02
tblVehicleEF	HHD	25.67	80.33
tblVehicleEF	HHD	2.18	2.42
tblVehicleEF	HHD	9.3550e-003	0.03
tblVehicleEF	HHD	0.06	0.06
tblVehicleEF	HHD	0.04	0.04
tblVehicleEF	HHD	0.01	0.03
tblVehicleEF	HHD	3.7000e-005	0.00
tblVehicleEF	HHD	8.9510e-003	0.03
tblVehicleEF	HHD	0.03	0.03
tblVehicleEF	HHD	8.8650e-003	8.8670e-003
tblVehicleEF	HHD	0.01	0.03
tblVehicleEF	HHD	3.4000e-005	0.00
tblVehicleEF	HHD	1.3900e-004	3.6000e-005
tblVehicleEF	HHD	2.6650e-003	6.7000e-005
tblVehicleEF	HHD	0.75	6.82
tblVehicleEF	HHD	8.2000e-005	2.4000e-005
tblVehicleEF	HHD	0.06	0.04

Palomino Business Park (Construction - Mitigated) - Riverside-South Coast County, Winter

tblVehicleEF	HHD	1.6100e-004	2.7900e-004
tblVehicleEF	HHD	0.04	1.0000e-006
tblVehicleEF	HHD	0.06	0.15
tblVehicleEF	HHD	0.01	0.01
tblVehicleEF	HHD	6.8000e-005	0.00
tblVehicleEF	HHD	1.3900e-004	3.6000e-005
tblVehicleEF	HHD	2.6650e-003	6.7000e-005
tblVehicleEF	HHD	0.87	7.76
tblVehicleEF	HHD	8.2000e-005	2.4000e-005
tblVehicleEF	HHD	0.10	0.05
tblVehicleEF	HHD	1.6100e-004	2.7900e-004
tblVehicleEF	HHD	0.04	1.0000e-006
tblVehicleEF	HHD	1.46	0.28
tblVehicleEF	HHD	0.03	1.9120e-003
tblVehicleEF	HHD	0.09	0.00
tblVehicleEF	HHD	4.28	92.66
tblVehicleEF	HHD	0.44	0.21
tblVehicleEF	HHD	1.42	2.7200e-003
tblVehicleEF	HHD	5,896.87	16,369.80
tblVehicleEF	HHD	1,444.51	1,307.27
tblVehicleEF	HHD	4.59	0.02
tblVehicleEF	HHD	23.77	87.62
tblVehicleEF	HHD	2.30	2.55
tblVehicleEF	HHD	0.01	0.04
tblVehicleEF	HHD	0.06	0.06
tblVehicleEF	HHD	0.04	0.04
tblVehicleEF	HHD	0.01	0.03

Palomino Business Park (Construction - Mitigated) - Riverside-South Coast County, Winter

tblVehicleEF	HHD	3.7000e-005	0.00
tblVehicleEF	HHD	0.01	0.04
tblVehicleEF	HHD	0.03	0.03
tblVehicleEF	HHD	8.8650e-003	8.8670e-003
tblVehicleEF	HHD	0.01	0.03
tblVehicleEF	HHD	3.4000e-005	0.00
tblVehicleEF	HHD	5.5000e-005	1.8000e-005
tblVehicleEF	HHD	2.4470e-003	6.7000e-005
tblVehicleEF	HHD	0.86	6.04
tblVehicleEF	HHD	3.6000e-005	1.2000e-005
tblVehicleEF	HHD	0.06	0.04
tblVehicleEF	HHD	1.6900e-004	2.9200e-004
tblVehicleEF	HHD	0.04	1.0000e-006
tblVehicleEF	HHD	0.06	0.15
tblVehicleEF	HHD	0.01	0.01
tblVehicleEF	HHD	6.9000e-005	0.00
tblVehicleEF	HHD	5.5000e-005	1.8000e-005
tblVehicleEF	HHD	2.4470e-003	6.7000e-005
tblVehicleEF	HHD	0.99	6.88
tblVehicleEF	HHD	3.6000e-005	1.2000e-005
tblVehicleEF	HHD	0.10	0.05
tblVehicleEF	HHD	1.6900e-004	2.9200e-004
tblVehicleEF	HHD	0.04	1.0000e-006
tblVehicleEF	LDA	3.6620e-003	2.2030e-003
tblVehicleEF	LDA	4.7760e-003	0.05
tblVehicleEF	LDA	0.54	0.62
tblVehicleEF	LDA	1.05	2.06

Palomino Business Park (Construction - Mitigated) - Riverside-South Coast County, Winter

tblVehicleEF	LDA	245.52	262.33
tblVehicleEF	LDA	56.65	53.14
tblVehicleEF	LDA	0.05	0.04
tblVehicleEF	LDA	1.5830e-003	1.3940e-003
tblVehicleEF	LDA	2.2500e-003	1.8330e-003
tblVehicleEF	LDA	1.4580e-003	1.2840e-003
tblVehicleEF	LDA	2.0690e-003	1.6850e-003
tblVehicleEF	LDA	0.05	0.29
tblVehicleEF	LDA	0.10	0.10
tblVehicleEF	LDA	0.04	0.22
tblVehicleEF	LDA	9.2080e-003	8.3250e-003
tblVehicleEF	LDA	0.04	0.20
tblVehicleEF	LDA	0.06	0.21
tblVehicleEF	LDA	2.4580e-003	2.5950e-003
tblVehicleEF	LDA	5.8400e-004	5.2600e-004
tblVehicleEF	LDA	0.05	0.29
tblVehicleEF	LDA	0.10	0.10
tblVehicleEF	LDA	0.04	0.22
tblVehicleEF	LDA	0.01	0.01
tblVehicleEF	LDA	0.04	0.20
tblVehicleEF	LDA	0.07	0.23
tblVehicleEF	LDA	4.1530e-003	2.5100e-003
tblVehicleEF	LDA	4.1450e-003	0.04
tblVehicleEF	LDA	0.66	0.76
tblVehicleEF	LDA	0.93	1.82
tblVehicleEF	LDA	267.36	285.24
tblVehicleEF	LDA	56.65	52.67

Palomino Business Park (Construction - Mitigated) - Riverside-South Coast County, Winter

tblVehicleEF	LDA	0.04	0.03
tblVehicleEF	LDA	1.5830e-003	1.3940e-003
tblVehicleEF	LDA	2.2500e-003	1.8330e-003
tblVehicleEF	LDA	1.4580e-003	1.2840e-003
tblVehicleEF	LDA	2.0690e-003	1.6850e-003
tblVehicleEF	LDA	0.09	0.56
tblVehicleEF	LDA	0.11	0.11
tblVehicleEF	LDA	0.07	0.42
tblVehicleEF	LDA	0.01	9.4080e-003
tblVehicleEF	LDA	0.04	0.20
tblVehicleEF	LDA	0.06	0.18
tblVehicleEF	LDA	2.6780e-003	2.8220e-003
tblVehicleEF	LDA	5.8200e-004	5.2100e-004
tblVehicleEF	LDA	0.09	0.56
tblVehicleEF	LDA	0.11	0.11
tblVehicleEF	LDA	0.07	0.42
tblVehicleEF	LDA	0.02	0.01
tblVehicleEF	LDA	0.04	0.20
tblVehicleEF	LDA	0.06	0.20
tblVehicleEF	LDA	3.5320e-003	2.1260e-003
tblVehicleEF	LDA	4.9050e-003	0.05
tblVehicleEF	LDA	0.51	0.58
tblVehicleEF	LDA	1.08	2.10
tblVehicleEF	LDA	239.46	256.04
tblVehicleEF	LDA	56.65	53.22
tblVehicleEF	LDA	0.04	0.03
tblVehicleEF	LDA	1.5830e-003	1.3940e-003

Palomino Business Park (Construction - Mitigated) - Riverside-South Coast County, Winter

tblVehicleEF	LDA	2.2500e-003	1.8330e-003
tblVehicleEF	LDA	1.4580e-003	1.2840e-003
tblVehicleEF	LDA	2.0690e-003	1.6850e-003
tblVehicleEF	LDA	0.04	0.24
tblVehicleEF	LDA	0.10	0.10
tblVehicleEF	LDA	0.03	0.19
tblVehicleEF	LDA	8.8850e-003	8.0390e-003
tblVehicleEF	LDA	0.04	0.23
tblVehicleEF	LDA	0.07	0.21
tblVehicleEF	LDA	2.3970e-003	2.5330e-003
tblVehicleEF	LDA	5.8500e-004	5.2700e-004
tblVehicleEF	LDA	0.04	0.24
tblVehicleEF	LDA	0.10	0.10
tblVehicleEF	LDA	0.03	0.19
tblVehicleEF	LDA	0.01	0.01
tblVehicleEF	LDA	0.04	0.23
tblVehicleEF	LDA	0.07	0.23
tblVehicleEF	LDT1	0.01	6.9830e-003
tblVehicleEF	LDT1	0.02	0.08
tblVehicleEF	LDT1	1.32	1.44
tblVehicleEF	LDT1	3.05	2.33
tblVehicleEF	LDT1	305.87	310.07
tblVehicleEF	LDT1	70.39	64.70
tblVehicleEF	LDT1	0.13	0.13
tblVehicleEF	LDT1	2.3960e-003	2.1060e-003
tblVehicleEF	LDT1	3.5150e-003	2.7270e-003
tblVehicleEF	LDT1	2.2060e-003	1.9390e-003

Palomino Business Park (Construction - Mitigated) - Riverside-South Coast County, Winter

tblVehicleEF	LDT1	3.2320e-003	2.5080e-003
tblVehicleEF	LDT1	0.20	0.93
tblVehicleEF	LDT1	0.32	0.25
tblVehicleEF	LDT1	0.13	0.63
tblVehicleEF	LDT1	0.03	0.03
tblVehicleEF	LDT1	0.19	0.80
tblVehicleEF	LDT1	0.21	0.39
tblVehicleEF	LDT1	3.0750e-003	3.0680e-003
tblVehicleEF	LDT1	7.5800e-004	6.4000e-004
tblVehicleEF	LDT1	0.20	0.93
tblVehicleEF	LDT1	0.32	0.25
tblVehicleEF	LDT1	0.13	0.63
tblVehicleEF	LDT1	0.04	0.04
tblVehicleEF	LDT1	0.19	0.80
tblVehicleEF	LDT1	0.23	0.43
tblVehicleEF	LDT1	0.01	7.8910e-003
tblVehicleEF	LDT1	0.01	0.07
tblVehicleEF	LDT1	1.59	1.75
tblVehicleEF	LDT1	2.68	2.07
tblVehicleEF	LDT1	332.27	334.21
tblVehicleEF	LDT1	70.39	64.11
tblVehicleEF	LDT1	0.12	0.12
tblVehicleEF	LDT1	2.3960e-003	2.1060e-003
tblVehicleEF	LDT1	3.5150e-003	2.7270e-003
tblVehicleEF	LDT1	2.2060e-003	1.9390e-003
tblVehicleEF	LDT1	3.2320e-003	2.5080e-003
tblVehicleEF	LDT1	0.38	1.80

Palomino Business Park (Construction - Mitigated) - Riverside-South Coast County, Winter

tblVehicleEF	LDT1	0.40	0.31
tblVehicleEF	LDT1	0.25	1.20
tblVehicleEF	LDT1	0.03	0.03
tblVehicleEF	LDT1	0.19	0.80
tblVehicleEF	LDT1	0.18	0.34
tblVehicleEF	LDT1	3.3430e-003	3.3070e-003
tblVehicleEF	LDT1	7.5100e-004	6.3400e-004
tblVehicleEF	LDT1	0.38	1.80
tblVehicleEF	LDT1	0.40	0.31
tblVehicleEF	LDT1	0.25	1.20
tblVehicleEF	LDT1	0.04	0.05
tblVehicleEF	LDT1	0.19	0.80
tblVehicleEF	LDT1	0.20	0.38
tblVehicleEF	LDT1	0.01	6.7160e-003
tblVehicleEF	LDT1	0.02	0.08
tblVehicleEF	LDT1	1.24	1.35
tblVehicleEF	LDT1	3.11	2.39
tblVehicleEF	LDT1	298.00	302.74
tblVehicleEF	LDT1	70.39	64.83
tblVehicleEF	LDT1	0.12	0.12
tblVehicleEF	LDT1	2.3960e-003	2.1060e-003
tblVehicleEF	LDT1	3.5150e-003	2.7270e-003
tblVehicleEF	LDT1	2.2060e-003	1.9390e-003
tblVehicleEF	LDT1	3.2320e-003	2.5080e-003
tblVehicleEF	LDT1	0.17	0.78
tblVehicleEF	LDT1	0.36	0.28
tblVehicleEF	LDT1	0.11	0.53

Palomino Business Park (Construction - Mitigated) - Riverside-South Coast County, Winter

tblVehicleEF	LDT1	0.03	0.03
tblVehicleEF	LDT1	0.22	0.93
tblVehicleEF	LDT1	0.22	0.41
tblVehicleEF	LDT1	2.9950e-003	2.9960e-003
tblVehicleEF	LDT1	7.5900e-004	6.4200e-004
tblVehicleEF	LDT1	0.17	0.78
tblVehicleEF	LDT1	0.36	0.28
tblVehicleEF	LDT1	0.11	0.53
tblVehicleEF	LDT1	0.04	0.04
tblVehicleEF	LDT1	0.22	0.93
tblVehicleEF	LDT1	0.24	0.44
tblVehicleEF	LDT2	5.1640e-003	3.8130e-003
tblVehicleEF	LDT2	6.4600e-003	0.07
tblVehicleEF	LDT2	0.71	0.91
tblVehicleEF	LDT2	1.39	2.64
tblVehicleEF	LDT2	342.68	328.99
tblVehicleEF	LDT2	78.65	68.91
tblVehicleEF	LDT2	0.07	0.08
tblVehicleEF	LDT2	1.6000e-003	1.4350e-003
tblVehicleEF	LDT2	2.3460e-003	1.8720e-003
tblVehicleEF	LDT2	1.4710e-003	1.3210e-003
tblVehicleEF	LDT2	2.1570e-003	1.7210e-003
tblVehicleEF	LDT2	0.07	0.48
tblVehicleEF	LDT2	0.11	0.13
tblVehicleEF	LDT2	0.05	0.39
tblVehicleEF	LDT2	0.01	0.02
tblVehicleEF	LDT2	0.06	0.43

Palomino Business Park (Construction - Mitigated) - Riverside-South Coast County, Winter

tblVehicleEF	LDT2	0.09	0.31
tblVehicleEF	LDT2	3.4320e-003	3.2550e-003
tblVehicleEF	LDT2	8.1000e-004	6.8200e-004
tblVehicleEF	LDT2	0.07	0.48
tblVehicleEF	LDT2	0.11	0.13
tblVehicleEF	LDT2	0.05	0.39
tblVehicleEF	LDT2	0.02	0.02
tblVehicleEF	LDT2	0.06	0.43
tblVehicleEF	LDT2	0.10	0.33
tblVehicleEF	LDT2	5.8560e-003	4.3350e-003
tblVehicleEF	LDT2	5.6090e-003	0.06
tblVehicleEF	LDT2	0.87	1.11
tblVehicleEF	LDT2	1.23	2.33
tblVehicleEF	LDT2	372.88	352.23
tblVehicleEF	LDT2	78.65	68.30
tblVehicleEF	LDT2	0.07	0.07
tblVehicleEF	LDT2	1.6000e-003	1.4350e-003
tblVehicleEF	LDT2	2.3460e-003	1.8720e-003
tblVehicleEF	LDT2	1.4710e-003	1.3210e-003
tblVehicleEF	LDT2	2.1570e-003	1.7210e-003
tblVehicleEF	LDT2	0.13	0.93
tblVehicleEF	LDT2	0.13	0.16
tblVehicleEF	LDT2	0.10	0.72
tblVehicleEF	LDT2	0.01	0.02
tblVehicleEF	LDT2	0.06	0.43
tblVehicleEF	LDT2	0.08	0.27
tblVehicleEF	LDT2	3.7360e-003	3.4850e-003

Palomino Business Park (Construction - Mitigated) - Riverside-South Coast County, Winter

tblVehicleEF	LDT2	8.0700e-004	6.7600e-004
tblVehicleEF	LDT2	0.13	0.93
tblVehicleEF	LDT2	0.13	0.16
tblVehicleEF	LDT2	0.10	0.72
tblVehicleEF	LDT2	0.02	0.03
tblVehicleEF	LDT2	0.06	0.43
tblVehicleEF	LDT2	0.08	0.29
tblVehicleEF	LDT2	4.9650e-003	3.6590e-003
tblVehicleEF	LDT2	6.6500e-003	0.07
tblVehicleEF	LDT2	0.67	0.84
tblVehicleEF	LDT2	1.42	2.70
tblVehicleEF	LDT2	333.62	321.94
tblVehicleEF	LDT2	78.65	69.04
tblVehicleEF	LDT2	0.07	0.08
tblVehicleEF	LDT2	1.6000e-003	1.4350e-003
tblVehicleEF	LDT2	2.3460e-003	1.8720e-003
tblVehicleEF	LDT2	1.4710e-003	1.3210e-003
tblVehicleEF	LDT2	2.1570e-003	1.7210e-003
tblVehicleEF	LDT2	0.05	0.38
tblVehicleEF	LDT2	0.12	0.14
tblVehicleEF	LDT2	0.04	0.33
tblVehicleEF	LDT2	0.01	0.01
tblVehicleEF	LDT2	0.07	0.49
tblVehicleEF	LDT2	0.09	0.31
tblVehicleEF	LDT2	3.3410e-003	3.1850e-003
tblVehicleEF	LDT2	8.1000e-004	6.8300e-004
tblVehicleEF	LDT2	0.05	0.38

Palomino Business Park (Construction - Mitigated) - Riverside-South Coast County, Winter

tblVehicleEF	LDT2	0.12	0.14
tblVehicleEF	LDT2	0.04	0.33
tblVehicleEF	LDT2	0.02	0.02
tblVehicleEF	LDT2	0.07	0.49
tblVehicleEF	LDT2	0.10	0.34
tblVehicleEF	LHD1	5.1810e-003	0.07
tblVehicleEF	LHD1	9.5070e-003	4.8390e-003
tblVehicleEF	LHD1	0.02	0.01
tblVehicleEF	LHD1	0.14	2.35
tblVehicleEF	LHD1	0.88	0.66
tblVehicleEF	LHD1	2.26	0.93
tblVehicleEF	LHD1	9.26	128.96
tblVehicleEF	LHD1	602.20	632.13
tblVehicleEF	LHD1	29.86	10.36
tblVehicleEF	LHD1	0.09	1.13
tblVehicleEF	LHD1	2.06	1.46
tblVehicleEF	LHD1	9.7000e-004	0.01
tblVehicleEF	LHD1	0.01	0.01
tblVehicleEF	LHD1	0.01	0.01
tblVehicleEF	LHD1	8.2900e-004	2.2300e-004
tblVehicleEF	LHD1	9.2800e-004	0.01
tblVehicleEF	LHD1	2.5490e-003	2.5040e-003
tblVehicleEF	LHD1	0.01	9.9950e-003
tblVehicleEF	LHD1	7.6200e-004	2.0500e-004
tblVehicleEF	LHD1	3.7780e-003	0.04
tblVehicleEF	LHD1	0.10	0.08
tblVehicleEF	LHD1	0.02	0.28

Palomino Business Park (Construction - Mitigated) - Riverside-South Coast County, Winter

tblVehicleEF	LHD1	1.8760e-003	0.02
tblVehicleEF	LHD1	0.07	0.06
tblVehicleEF	LHD1	0.31	0.47
tblVehicleEF	LHD1	0.24	0.07
tblVehicleEF	LHD1	9.2000e-005	1.2460e-003
tblVehicleEF	LHD1	5.9030e-003	6.1480e-003
tblVehicleEF	LHD1	3.4200e-004	1.0300e-004
tblVehicleEF	LHD1	3.7780e-003	0.04
tblVehicleEF	LHD1	0.10	0.08
tblVehicleEF	LHD1	0.02	0.39
tblVehicleEF	LHD1	1.8760e-003	0.02
tblVehicleEF	LHD1	0.09	0.07
tblVehicleEF	LHD1	0.31	0.47
tblVehicleEF	LHD1	0.27	0.08
tblVehicleEF	LHD1	5.1810e-003	0.07
tblVehicleEF	LHD1	9.6980e-003	4.9170e-003
tblVehicleEF	LHD1	0.02	0.01
tblVehicleEF	LHD1	0.14	2.35
tblVehicleEF	LHD1	0.89	0.67
tblVehicleEF	LHD1	2.15	0.88
tblVehicleEF	LHD1	9.26	128.96
tblVehicleEF	LHD1	602.20	632.14
tblVehicleEF	LHD1	29.86	10.28
tblVehicleEF	LHD1	0.09	1.13
tblVehicleEF	LHD1	1.94	1.37
tblVehicleEF	LHD1	9.7000e-004	0.01
tblVehicleEF	LHD1	0.01	0.01

Palomino Business Park (Construction - Mitigated) - Riverside-South Coast County, Winter

tblVehicleEF	LHD1	0.01	0.01
tblVehicleEF	LHD1	8.2900e-004	2.2300e-004
tblVehicleEF	LHD1	9.2800e-004	0.01
tblVehicleEF	LHD1	2.5490e-003	2.5040e-003
tblVehicleEF	LHD1	0.01	9.9950e-003
tblVehicleEF	LHD1	7.6200e-004	2.0500e-004
tblVehicleEF	LHD1	7.0590e-003	0.08
tblVehicleEF	LHD1	0.12	0.09
tblVehicleEF	LHD1	0.02	0.28
tblVehicleEF	LHD1	3.5660e-003	0.04
tblVehicleEF	LHD1	0.07	0.06
tblVehicleEF	LHD1	0.32	0.48
tblVehicleEF	LHD1	0.23	0.07
tblVehicleEF	LHD1	9.2000e-005	1.2460e-003
tblVehicleEF	LHD1	5.9030e-003	6.1480e-003
tblVehicleEF	LHD1	3.4000e-004	1.0200e-004
tblVehicleEF	LHD1	7.0590e-003	0.08
tblVehicleEF	LHD1	0.12	0.09
tblVehicleEF	LHD1	0.02	0.39
tblVehicleEF	LHD1	3.5660e-003	0.04
tblVehicleEF	LHD1	0.09	0.07
tblVehicleEF	LHD1	0.32	0.48
tblVehicleEF	LHD1	0.25	0.08
tblVehicleEF	LHD1	5.1810e-003	0.07
tblVehicleEF	LHD1	9.4900e-003	4.8280e-003
tblVehicleEF	LHD1	0.02	0.01
tblVehicleEF	LHD1	0.14	2.35

Palomino Business Park (Construction - Mitigated) - Riverside-South Coast County, Winter

tblVehicleEF	LHD1	0.88	0.66
tblVehicleEF	LHD1	2.26	0.93
tblVehicleEF	LHD1	9.26	128.96
tblVehicleEF	LHD1	602.20	632.12
tblVehicleEF	LHD1	29.86	10.37
tblVehicleEF	LHD1	0.09	1.13
tblVehicleEF	LHD1	2.04	1.44
tblVehicleEF	LHD1	9.7000e-004	0.01
tblVehicleEF	LHD1	0.01	0.01
tblVehicleEF	LHD1	0.01	0.01
tblVehicleEF	LHD1	8.2900e-004	2.2300e-004
tblVehicleEF	LHD1	9.2800e-004	0.01
tblVehicleEF	LHD1	2.5490e-003	2.5040e-003
tblVehicleEF	LHD1	0.01	9.9950e-003
tblVehicleEF	LHD1	7.6200e-004	2.0500e-004
tblVehicleEF	LHD1	3.3490e-003	0.04
tblVehicleEF	LHD1	0.11	0.09
tblVehicleEF	LHD1	0.02	0.28
tblVehicleEF	LHD1	1.7110e-003	0.02
tblVehicleEF	LHD1	0.07	0.06
tblVehicleEF	LHD1	0.34	0.51
tblVehicleEF	LHD1	0.24	0.07
tblVehicleEF	LHD1	9.2000e-005	1.2460e-003
tblVehicleEF	LHD1	5.9020e-003	6.1480e-003
tblVehicleEF	LHD1	3.4200e-004	1.0300e-004
tblVehicleEF	LHD1	3.3490e-003	0.04
tblVehicleEF	LHD1	0.11	0.09

Palomino Business Park (Construction - Mitigated) - Riverside-South Coast County, Winter

tblVehicleEF	LHD1	0.02	0.39
tblVehicleEF	LHD1	1.7110e-003	0.02
tblVehicleEF	LHD1	0.09	0.07
tblVehicleEF	LHD1	0.34	0.51
tblVehicleEF	LHD1	0.27	0.08
tblVehicleEF	LHD2	3.4600e-003	0.04
tblVehicleEF	LHD2	4.0020e-003	3.5550e-003
tblVehicleEF	LHD2	7.4040e-003	8.4670e-003
tblVehicleEF	LHD2	0.12	1.76
tblVehicleEF	LHD2	0.45	0.48
tblVehicleEF	LHD2	1.08	0.54
tblVehicleEF	LHD2	14.41	195.90
tblVehicleEF	LHD2	598.41	631.11
tblVehicleEF	LHD2	23.24	7.16
tblVehicleEF	LHD2	0.11	1.58
tblVehicleEF	LHD2	1.50	1.61
tblVehicleEF	LHD2	1.3120e-003	0.02
tblVehicleEF	LHD2	0.01	0.01
tblVehicleEF	LHD2	0.01	0.01
tblVehicleEF	LHD2	3.7000e-004	1.1000e-004
tblVehicleEF	LHD2	1.2550e-003	0.02
tblVehicleEF	LHD2	2.7000e-003	2.7130e-003
tblVehicleEF	LHD2	0.01	0.01
tblVehicleEF	LHD2	3.4000e-004	1.0100e-004
tblVehicleEF	LHD2	1.4050e-003	0.02
tblVehicleEF	LHD2	0.04	0.04
tblVehicleEF	LHD2	0.01	0.21

Palomino Business Park (Construction - Mitigated) - Riverside-South Coast County, Winter

tblVehicleEF	LHD2	7.4200e-004	0.01
tblVehicleEF	LHD2	0.05	0.06
tblVehicleEF	LHD2	0.08	0.23
tblVehicleEF	LHD2	0.10	0.04
tblVehicleEF	LHD2	1.4000e-004	1.8700e-003
tblVehicleEF	LHD2	5.8170e-003	6.0810e-003
tblVehicleEF	LHD2	2.5200e-004	7.1000e-005
tblVehicleEF	LHD2	1.4050e-003	0.02
tblVehicleEF	LHD2	0.04	0.04
tblVehicleEF	LHD2	0.02	0.28
tblVehicleEF	LHD2	7.4200e-004	0.01
tblVehicleEF	LHD2	0.06	0.07
tblVehicleEF	LHD2	0.08	0.23
tblVehicleEF	LHD2	0.11	0.05
tblVehicleEF	LHD2	3.4600e-003	0.04
tblVehicleEF	LHD2	4.0450e-003	3.5800e-003
tblVehicleEF	LHD2	7.1500e-003	8.1830e-003
tblVehicleEF	LHD2	0.12	1.76
tblVehicleEF	LHD2	0.45	0.49
tblVehicleEF	LHD2	1.04	0.51
tblVehicleEF	LHD2	14.41	195.90
tblVehicleEF	LHD2	598.41	631.12
tblVehicleEF	LHD2	23.24	7.12
tblVehicleEF	LHD2	0.11	1.58
tblVehicleEF	LHD2	1.41	1.52
tblVehicleEF	LHD2	1.3120e-003	0.02
tblVehicleEF	LHD2	0.01	0.01

Palomino Business Park (Construction - Mitigated) - Riverside-South Coast County, Winter

tblVehicleEF	LHD2	0.01	0.01
tblVehicleEF	LHD2	3.7000e-004	1.1000e-004
tblVehicleEF	LHD2	1.2550e-003	0.02
tblVehicleEF	LHD2	2.7000e-003	2.7130e-003
tblVehicleEF	LHD2	0.01	0.01
tblVehicleEF	LHD2	3.4000e-004	1.0100e-004
tblVehicleEF	LHD2	2.6530e-003	0.04
tblVehicleEF	LHD2	0.04	0.05
tblVehicleEF	LHD2	0.01	0.21
tblVehicleEF	LHD2	1.3950e-003	0.02
tblVehicleEF	LHD2	0.05	0.06
tblVehicleEF	LHD2	0.08	0.24
tblVehicleEF	LHD2	0.10	0.04
tblVehicleEF	LHD2	1.4000e-004	1.8700e-003
tblVehicleEF	LHD2	5.8170e-003	6.0810e-003
tblVehicleEF	LHD2	2.5100e-004	7.0000e-005
tblVehicleEF	LHD2	2.6530e-003	0.04
tblVehicleEF	LHD2	0.04	0.05
tblVehicleEF	LHD2	0.02	0.28
tblVehicleEF	LHD2	1.3950e-003	0.02
tblVehicleEF	LHD2	0.06	0.07
tblVehicleEF	LHD2	0.08	0.24
tblVehicleEF	LHD2	0.11	0.04
tblVehicleEF	LHD2	3.4600e-003	0.04
tblVehicleEF	LHD2	3.9920e-003	3.5470e-003
tblVehicleEF	LHD2	7.4470e-003	8.5290e-003
tblVehicleEF	LHD2	0.12	1.76

Palomino Business Park (Construction - Mitigated) - Riverside-South Coast County, Winter

tblVehicleEF	LHD2	0.45	0.48
tblVehicleEF	LHD2	1.09	0.54
tblVehicleEF	LHD2	14.41	195.90
tblVehicleEF	LHD2	598.41	631.11
tblVehicleEF	LHD2	23.24	7.17
tblVehicleEF	LHD2	0.11	1.58
tblVehicleEF	LHD2	1.48	1.59
tblVehicleEF	LHD2	1.3120e-003	0.02
tblVehicleEF	LHD2	0.01	0.01
tblVehicleEF	LHD2	0.01	0.01
tblVehicleEF	LHD2	3.7000e-004	1.1000e-004
tblVehicleEF	LHD2	1.2550e-003	0.02
tblVehicleEF	LHD2	2.7000e-003	2.7130e-003
tblVehicleEF	LHD2	0.01	0.01
tblVehicleEF	LHD2	3.4000e-004	1.0100e-004
tblVehicleEF	LHD2	1.1040e-003	0.02
tblVehicleEF	LHD2	0.04	0.04
tblVehicleEF	LHD2	0.01	0.21
tblVehicleEF	LHD2	6.2900e-004	9.0220e-003
tblVehicleEF	LHD2	0.05	0.06
tblVehicleEF	LHD2	0.08	0.25
tblVehicleEF	LHD2	0.10	0.04
tblVehicleEF	LHD2	1.4000e-004	1.8700e-003
tblVehicleEF	LHD2	5.8170e-003	6.0810e-003
tblVehicleEF	LHD2	2.5200e-004	7.1000e-005
tblVehicleEF	LHD2	1.1040e-003	0.02
tblVehicleEF	LHD2	0.04	0.04

Palomino Business Park (Construction - Mitigated) - Riverside-South Coast County, Winter

tblVehicleEF	LHD2	0.02	0.28
tblVehicleEF	LHD2	6.2900e-004	9.0220e-003
tblVehicleEF	LHD2	0.06	0.07
tblVehicleEF	LHD2	0.08	0.25
tblVehicleEF	LHD2	0.11	0.05
tblVehicleEF	MCY	0.42	0.32
tblVehicleEF	MCY	0.15	0.24
tblVehicleEF	MCY	19.14	19.26
tblVehicleEF	MCY	9.69	8.57
tblVehicleEF	MCY	166.26	208.19
tblVehicleEF	MCY	45.80	60.41
tblVehicleEF	MCY	1.12	1.12
tblVehicleEF	MCY	1.8240e-003	1.8040e-003
tblVehicleEF	MCY	3.3680e-003	2.8470e-003
tblVehicleEF	MCY	1.7050e-003	1.6870e-003
tblVehicleEF	MCY	3.1720e-003	2.6790e-003
tblVehicleEF	MCY	1.69	3.33
tblVehicleEF	MCY	0.85	0.84
tblVehicleEF	MCY	0.92	1.81
tblVehicleEF	MCY	2.13	2.14
tblVehicleEF	MCY	0.56	1.82
tblVehicleEF	MCY	2.06	1.82
tblVehicleEF	MCY	2.0370e-003	2.0600e-003
tblVehicleEF	MCY	6.7700e-004	5.9800e-004
tblVehicleEF	MCY	1.69	3.33
tblVehicleEF	MCY	0.85	0.84
tblVehicleEF	MCY	0.92	1.81

Palomino Business Park (Construction - Mitigated) - Riverside-South Coast County, Winter

tblVehicleEF	MCY	2.63	2.64
tblVehicleEF	MCY	0.56	1.82
tblVehicleEF	MCY	2.24	1.98
tblVehicleEF	MCY	0.42	0.32
tblVehicleEF	MCY	0.14	0.22
tblVehicleEF	MCY	19.85	19.92
tblVehicleEF	MCY	9.10	8.00
tblVehicleEF	MCY	166.26	209.15
tblVehicleEF	MCY	45.80	58.86
tblVehicleEF	MCY	0.98	0.98
tblVehicleEF	MCY	1.8240e-003	1.8040e-003
tblVehicleEF	MCY	3.3680e-003	2.8470e-003
tblVehicleEF	MCY	1.7050e-003	1.6870e-003
tblVehicleEF	MCY	3.1720e-003	2.6790e-003
tblVehicleEF	MCY	3.36	6.59
tblVehicleEF	MCY	1.24	1.24
tblVehicleEF	MCY	2.10	4.10
tblVehicleEF	MCY	2.11	2.12
tblVehicleEF	MCY	0.56	1.82
tblVehicleEF	MCY	1.85	1.62
tblVehicleEF	MCY	2.0480e-003	2.0700e-003
tblVehicleEF	MCY	6.6100e-004	5.8200e-004
tblVehicleEF	MCY	3.36	6.59
tblVehicleEF	MCY	1.24	1.24
tblVehicleEF	MCY	2.10	4.10
tblVehicleEF	MCY	2.61	2.61
tblVehicleEF	MCY	0.56	1.82

Palomino Business Park (Construction - Mitigated) - Riverside-South Coast County, Winter

tblVehicleEF	MCY	2.01	1.77
tblVehicleEF	MCY	0.42	0.32
tblVehicleEF	MCY	0.15	0.24
tblVehicleEF	MCY	18.68	18.80
tblVehicleEF	MCY	9.65	8.51
tblVehicleEF	MCY	166.26	207.43
tblVehicleEF	MCY	45.80	60.33
tblVehicleEF	MCY	1.12	1.12
tblVehicleEF	MCY	1.8240e-003	1.8040e-003
tblVehicleEF	MCY	3.3680e-003	2.8470e-003
tblVehicleEF	MCY	1.7050e-003	1.6870e-003
tblVehicleEF	MCY	3.1720e-003	2.6790e-003
tblVehicleEF	MCY	1.60	3.18
tblVehicleEF	MCY	1.04	1.03
tblVehicleEF	MCY	0.74	1.47
tblVehicleEF	MCY	2.12	2.13
tblVehicleEF	MCY	0.64	2.07
tblVehicleEF	MCY	2.07	1.82
tblVehicleEF	MCY	2.0300e-003	2.0530e-003
tblVehicleEF	MCY	6.7700e-004	5.9700e-004
tblVehicleEF	MCY	1.60	3.18
tblVehicleEF	MCY	1.04	1.03
tblVehicleEF	MCY	0.74	1.47
tblVehicleEF	MCY	2.62	2.63
tblVehicleEF	MCY	0.64	2.07
tblVehicleEF	MCY	2.26	1.98
tblVehicleEF	MDV	0.01	4.9300e-003

Palomino Business Park (Construction - Mitigated) - Riverside-South Coast County, Winter

tblVehicleEF	MDV	0.02	0.08
tblVehicleEF	MDV	1.26	1.05
tblVehicleEF	MDV	2.88	3.10
tblVehicleEF	MDV	474.24	410.10
tblVehicleEF	MDV	107.24	85.75
tblVehicleEF	MDV	0.15	0.10
tblVehicleEF	MDV	1.6800e-003	1.4990e-003
tblVehicleEF	MDV	2.4130e-003	1.9490e-003
tblVehicleEF	MDV	1.5490e-003	1.3820e-003
tblVehicleEF	MDV	2.2190e-003	1.7920e-003
tblVehicleEF	MDV	0.11	0.58
tblVehicleEF	MDV	0.20	0.16
tblVehicleEF	MDV	0.09	0.49
tblVehicleEF	MDV	0.03	0.02
tblVehicleEF	MDV	0.11	0.49
tblVehicleEF	MDV	0.22	0.41
tblVehicleEF	MDV	4.7510e-003	4.0550e-003
tblVehicleEF	MDV	1.1230e-003	8.4900e-004
tblVehicleEF	MDV	0.11	0.58
tblVehicleEF	MDV	0.20	0.16
tblVehicleEF	MDV	0.09	0.49
tblVehicleEF	MDV	0.04	0.03
tblVehicleEF	MDV	0.11	0.49
tblVehicleEF	MDV	0.24	0.44
tblVehicleEF	MDV	0.01	5.6180e-003
tblVehicleEF	MDV	0.01	0.07
tblVehicleEF	MDV	1.53	1.28

Palomino Business Park (Construction - Mitigated) - Riverside-South Coast County, Winter

tblVehicleEF	MDV	2.54	2.73
tblVehicleEF	MDV	514.80	434.72
tblVehicleEF	MDV	107.24	84.99
tblVehicleEF	MDV	0.14	0.10
tblVehicleEF	MDV	1.6800e-003	1.4990e-003
tblVehicleEF	MDV	2.4130e-003	1.9490e-003
tblVehicleEF	MDV	1.5490e-003	1.3820e-003
tblVehicleEF	MDV	2.2190e-003	1.7920e-003
tblVehicleEF	MDV	0.21	1.11
tblVehicleEF	MDV	0.23	0.19
tblVehicleEF	MDV	0.17	0.90
tblVehicleEF	MDV	0.03	0.02
tblVehicleEF	MDV	0.11	0.49
tblVehicleEF	MDV	0.19	0.35
tblVehicleEF	MDV	5.1610e-003	4.2980e-003
tblVehicleEF	MDV	1.1170e-003	8.4100e-004
tblVehicleEF	MDV	0.21	1.11
tblVehicleEF	MDV	0.23	0.19
tblVehicleEF	MDV	0.17	0.90
tblVehicleEF	MDV	0.05	0.03
tblVehicleEF	MDV	0.11	0.49
tblVehicleEF	MDV	0.21	0.39
tblVehicleEF	MDV	0.01	4.7320e-003
tblVehicleEF	MDV	0.02	0.09
tblVehicleEF	MDV	1.18	0.98
tblVehicleEF	MDV	2.94	3.17
tblVehicleEF	MDV	462.11	402.72

Palomino Business Park (Construction - Mitigated) - Riverside-South Coast County, Winter

tblVehicleEF	MDV	107.24	85.90
tblVehicleEF	MDV	0.14	0.10
tblVehicleEF	MDV	1.6800e-003	1.4990e-003
tblVehicleEF	MDV	2.4130e-003	1.9490e-003
tblVehicleEF	MDV	1.5490e-003	1.3820e-003
tblVehicleEF	MDV	2.2190e-003	1.7920e-003
tblVehicleEF	MDV	0.09	0.45
tblVehicleEF	MDV	0.21	0.17
tblVehicleEF	MDV	0.08	0.42
tblVehicleEF	MDV	0.03	0.02
tblVehicleEF	MDV	0.13	0.55
tblVehicleEF	MDV	0.23	0.42
tblVehicleEF	MDV	4.6290e-003	3.9820e-003
tblVehicleEF	MDV	1.1240e-003	8.5000e-004
tblVehicleEF	MDV	0.09	0.45
tblVehicleEF	MDV	0.21	0.17
tblVehicleEF	MDV	0.08	0.42
tblVehicleEF	MDV	0.04	0.03
tblVehicleEF	MDV	0.13	0.55
tblVehicleEF	MDV	0.25	0.46
tblVehicleEF	MH	0.03	3.2770e-003
tblVehicleEF	MH	0.02	0.00
tblVehicleEF	MH	2.33	0.33
tblVehicleEF	MH	5.58	0.00
tblVehicleEF	MH	998.83	934.95
tblVehicleEF	MH	57.38	0.00
tblVehicleEF	MH	1.57	4.29

Palomino Business Park (Construction - Mitigated) - Riverside-South Coast County, Winter

tblVehicleEF	MH	0.01	0.02
tblVehicleEF	MH	0.04	0.14
tblVehicleEF	MH	1.0280e-003	0.00
tblVehicleEF	MH	3.2460e-003	4.0000e-003
tblVehicleEF	MH	0.04	0.13
tblVehicleEF	MH	9.4600e-004	0.00
tblVehicleEF	MH	1.47	0.00
tblVehicleEF	MH	0.08	0.00
tblVehicleEF	MH	0.51	0.00
tblVehicleEF	MH	0.08	0.07
tblVehicleEF	MH	0.03	0.00
tblVehicleEF	MH	0.33	0.00
tblVehicleEF	MH	9.9070e-003	8.8390e-003
tblVehicleEF	MH	6.7100e-004	0.00
tblVehicleEF	MH	1.47	0.00
tblVehicleEF	MH	0.08	0.00
tblVehicleEF	MH	0.51	0.00
tblVehicleEF	MH	0.11	0.08
tblVehicleEF	MH	0.03	0.00
tblVehicleEF	MH	0.36	0.00
tblVehicleEF	MH	0.03	3.2770e-003
tblVehicleEF	MH	0.02	0.00
tblVehicleEF	MH	2.40	0.33
tblVehicleEF	MH	5.19	0.00
tblVehicleEF	MH	998.83	934.95
tblVehicleEF	MH	57.38	0.00
tblVehicleEF	MH	1.46	4.05

Palomino Business Park (Construction - Mitigated) - Riverside-South Coast County, Winter

tblVehicleEF	MH	0.01	0.02
tblVehicleEF	MH	0.04	0.14
tblVehicleEF	MH	1.0280e-003	0.00
tblVehicleEF	MH	3.2460e-003	4.0000e-003
tblVehicleEF	MH	0.04	0.13
tblVehicleEF	MH	9.4600e-004	0.00
tblVehicleEF	MH	2.69	0.00
tblVehicleEF	MH	0.09	0.00
tblVehicleEF	MH	1.00	0.00
tblVehicleEF	MH	0.09	0.07
tblVehicleEF	MH	0.03	0.00
tblVehicleEF	MH	0.31	0.00
tblVehicleEF	MH	9.9080e-003	8.8390e-003
tblVehicleEF	MH	6.6400e-004	0.00
tblVehicleEF	MH	2.69	0.00
tblVehicleEF	MH	0.09	0.00
tblVehicleEF	MH	1.00	0.00
tblVehicleEF	MH	0.12	0.08
tblVehicleEF	MH	0.03	0.00
tblVehicleEF	MH	0.34	0.00
tblVehicleEF	MH	0.03	3.2770e-003
tblVehicleEF	MH	0.02	0.00
tblVehicleEF	MH	2.32	0.33
tblVehicleEF	MH	5.61	0.00
tblVehicleEF	MH	998.83	934.95
tblVehicleEF	MH	57.38	0.00
tblVehicleEF	MH	1.55	4.25

Palomino Business Park (Construction - Mitigated) - Riverside-South Coast County, Winter

tblVehicleEF	MH	0.01	0.02
tblVehicleEF	MH	0.04	0.14
tblVehicleEF	MH	1.0280e-003	0.00
tblVehicleEF	MH	3.2460e-003	4.0000e-003
tblVehicleEF	MH	0.04	0.13
tblVehicleEF	MH	9.4600e-004	0.00
tblVehicleEF	MH	1.48	0.00
tblVehicleEF	MH	0.10	0.00
tblVehicleEF	MH	0.50	0.00
tblVehicleEF	MH	0.08	0.07
tblVehicleEF	MH	0.03	0.00
tblVehicleEF	MH	0.33	0.00
tblVehicleEF	MH	9.9070e-003	8.8390e-003
tblVehicleEF	MH	6.7200e-004	0.00
tblVehicleEF	MH	1.48	0.00
tblVehicleEF	MH	0.10	0.00
tblVehicleEF	MH	0.50	0.00
tblVehicleEF	MH	0.11	0.08
tblVehicleEF	MH	0.03	0.00
tblVehicleEF	MH	0.36	0.00
tblVehicleEF	MHD	0.02	0.03
tblVehicleEF	MHD	3.1970e-003	3.4150e-003
tblVehicleEF	MHD	0.05	8.4360e-003
tblVehicleEF	MHD	0.35	3.72
tblVehicleEF	MHD	0.24	0.36
tblVehicleEF	MHD	5.47	0.98
tblVehicleEF	MHD	152.51	784.50

Palomino Business Park (Construction - Mitigated) - Riverside-South Coast County, Winter

tblVehicleEF	MHD	1,062.94	972.64
tblVehicleEF	MHD	54.61	8.27
tblVehicleEF	MHD	0.61	6.12
tblVehicleEF	MHD	0.89	1.55
tblVehicleEF	MHD	9.8000e-004	0.02
tblVehicleEF	MHD	5.7040e-003	0.05
tblVehicleEF	MHD	7.4900e-004	9.5000e-005
tblVehicleEF	MHD	9.3700e-004	0.01
tblVehicleEF	MHD	5.4540e-003	0.04
tblVehicleEF	MHD	6.8900e-004	8.7000e-005
tblVehicleEF	MHD	1.6000e-003	7.3280e-003
tblVehicleEF	MHD	0.05	0.02
tblVehicleEF	MHD	0.03	0.20
tblVehicleEF	MHD	8.0100e-004	3.6850e-003
tblVehicleEF	MHD	0.03	0.05
tblVehicleEF	MHD	0.02	0.10
tblVehicleEF	MHD	0.33	0.04
tblVehicleEF	MHD	1.4660e-003	7.4400e-003
tblVehicleEF	MHD	0.01	9.2620e-003
tblVehicleEF	MHD	6.4200e-004	8.2000e-005
tblVehicleEF	MHD	1.6000e-003	7.3280e-003
tblVehicleEF	MHD	0.05	0.02
tblVehicleEF	MHD	0.04	0.27
tblVehicleEF	MHD	8.0100e-004	3.6850e-003
tblVehicleEF	MHD	0.03	0.06
tblVehicleEF	MHD	0.02	0.10
tblVehicleEF	MHD	0.36	0.05

Palomino Business Park (Construction - Mitigated) - Riverside-South Coast County, Winter

tblVehicleEF	MHD	0.02	0.03
tblVehicleEF	MHD	3.2380e-003	3.4390e-003
tblVehicleEF	MHD	0.05	8.1570e-003
tblVehicleEF	MHD	0.25	3.12
tblVehicleEF	MHD	0.25	0.36
tblVehicleEF	MHD	5.23	0.94
tblVehicleEF	MHD	161.54	794.42
tblVehicleEF	MHD	1,062.94	972.65
tblVehicleEF	MHD	54.61	8.20
tblVehicleEF	MHD	0.63	6.14
tblVehicleEF	MHD	0.83	1.46
tblVehicleEF	MHD	8.2600e-004	0.01
tblVehicleEF	MHD	5.7040e-003	0.05
tblVehicleEF	MHD	7.4900e-004	9.5000e-005
tblVehicleEF	MHD	7.9000e-004	0.01
tblVehicleEF	MHD	5.4540e-003	0.04
tblVehicleEF	MHD	6.8900e-004	8.7000e-005
tblVehicleEF	MHD	3.0890e-003	0.01
tblVehicleEF	MHD	0.05	0.02
tblVehicleEF	MHD	0.02	0.19
tblVehicleEF	MHD	1.5560e-003	7.1920e-003
tblVehicleEF	MHD	0.03	0.05
tblVehicleEF	MHD	0.02	0.10
tblVehicleEF	MHD	0.32	0.04
tblVehicleEF	MHD	1.5510e-003	7.5340e-003
tblVehicleEF	MHD	0.01	9.2620e-003
tblVehicleEF	MHD	6.3800e-004	8.1000e-005

Palomino Business Park (Construction - Mitigated) - Riverside-South Coast County, Winter

tblVehicleEF	MHD	3.0890e-003	0.01
tblVehicleEF	MHD	0.05	0.02
tblVehicleEF	MHD	0.03	0.25
tblVehicleEF	MHD	1.5560e-003	7.1920e-003
tblVehicleEF	MHD	0.03	0.06
tblVehicleEF	MHD	0.02	0.10
tblVehicleEF	MHD	0.35	0.05
tblVehicleEF	MHD	0.02	0.04
tblVehicleEF	MHD	3.1690e-003	3.3980e-003
tblVehicleEF	MHD	0.05	8.5100e-003
tblVehicleEF	MHD	0.48	4.55
tblVehicleEF	MHD	0.24	0.36
tblVehicleEF	MHD	5.56	0.99
tblVehicleEF	MHD	140.03	770.77
tblVehicleEF	MHD	1,062.94	972.64
tblVehicleEF	MHD	54.61	8.30
tblVehicleEF	MHD	0.58	6.08
tblVehicleEF	MHD	0.88	1.54
tblVehicleEF	MHD	1.1920e-003	0.02
tblVehicleEF	MHD	5.7040e-003	0.05
tblVehicleEF	MHD	7.4900e-004	9.5000e-005
tblVehicleEF	MHD	1.1400e-003	0.02
tblVehicleEF	MHD	5.4540e-003	0.04
tblVehicleEF	MHD	6.8900e-004	8.7000e-005
tblVehicleEF	MHD	1.1940e-003	5.6180e-003
tblVehicleEF	MHD	0.05	0.02
tblVehicleEF	MHD	0.03	0.21

Palomino Business Park (Construction - Mitigated) - Riverside-South Coast County, Winter

tblVehicleEF	MHD	6.2900e-004	2.9620e-003
tblVehicleEF	MHD	0.03	0.05
tblVehicleEF	MHD	0.02	0.11
tblVehicleEF	MHD	0.34	0.05
tblVehicleEF	MHD	1.3480e-003	7.3080e-003
tblVehicleEF	MHD	0.01	9.2610e-003
tblVehicleEF	MHD	6.4300e-004	8.2000e-005
tblVehicleEF	MHD	1.1940e-003	5.6180e-003
tblVehicleEF	MHD	0.05	0.02
tblVehicleEF	MHD	0.04	0.28
tblVehicleEF	MHD	6.2900e-004	2.9620e-003
tblVehicleEF	MHD	0.03	0.06
tblVehicleEF	MHD	0.02	0.11
tblVehicleEF	MHD	0.37	0.05
tblVehicleEF	OBUS	0.01	0.14
tblVehicleEF	OBUS	6.8270e-003	6.2940e-003
tblVehicleEF	OBUS	0.03	0.02
tblVehicleEF	OBUS	0.27	7.89
tblVehicleEF	OBUS	0.46	0.72
tblVehicleEF	OBUS	5.79	2.51
tblVehicleEF	OBUS	74.97	1,142.53
tblVehicleEF	OBUS	1,092.94	1,371.04
tblVehicleEF	OBUS	69.71	20.56
tblVehicleEF	OBUS	0.31	5.23
tblVehicleEF	OBUS	0.97	1.20
tblVehicleEF	OBUS	6.8000e-005	9.5630e-003
tblVehicleEF	OBUS	5.0070e-003	0.02

Palomino Business Park (Construction - Mitigated) - Riverside-South Coast County, Winter

tblVehicleEF	OBUS	8.4500e-004	1.9400e-004
tblVehicleEF	OBUS	6.5000e-005	9.1490e-003
tblVehicleEF	OBUS	4.7740e-003	0.02
tblVehicleEF	OBUS	7.7700e-004	1.7800e-004
tblVehicleEF	OBUS	2.1110e-003	0.04
tblVehicleEF	OBUS	0.02	0.02
tblVehicleEF	OBUS	0.04	0.78
tblVehicleEF	OBUS	9.1000e-004	0.02
tblVehicleEF	OBUS	0.03	0.05
tblVehicleEF	OBUS	0.05	0.26
tblVehicleEF	OBUS	0.36	0.12
tblVehicleEF	OBUS	7.2800e-004	0.01
tblVehicleEF	OBUS	0.01	0.01
tblVehicleEF	OBUS	7.9900e-004	2.0300e-004
tblVehicleEF	OBUS	2.1110e-003	0.04
tblVehicleEF	OBUS	0.02	0.02
tblVehicleEF	OBUS	0.05	1.04
tblVehicleEF	OBUS	9.1000e-004	0.02
tblVehicleEF	OBUS	0.04	0.06
tblVehicleEF	OBUS	0.05	0.26
tblVehicleEF	OBUS	0.39	0.13
tblVehicleEF	OBUS	0.01	0.14
tblVehicleEF	OBUS	6.9570e-003	6.4100e-003
tblVehicleEF	OBUS	0.03	0.02
tblVehicleEF	OBUS	0.26	7.73
tblVehicleEF	OBUS	0.46	0.73
tblVehicleEF	OBUS	5.41	2.35

Palomino Business Park (Construction - Mitigated) - Riverside-South Coast County, Winter

tblVehicleEF	OBUS	78.41	1,141.12
tblVehicleEF	OBUS	1,092.94	1,371.06
tblVehicleEF	OBUS	69.71	20.28
tblVehicleEF	OBUS	0.32	5.12
tblVehicleEF	OBUS	0.91	1.12
tblVehicleEF	OBUS	5.7000e-005	8.1210e-003
tblVehicleEF	OBUS	5.0070e-003	0.02
tblVehicleEF	OBUS	8.4500e-004	1.9400e-004
tblVehicleEF	OBUS	5.4000e-005	7.7700e-003
tblVehicleEF	OBUS	4.7740e-003	0.02
tblVehicleEF	OBUS	7.7700e-004	1.7800e-004
tblVehicleEF	OBUS	3.9250e-003	0.08
tblVehicleEF	OBUS	0.02	0.03
tblVehicleEF	OBUS	0.04	0.79
tblVehicleEF	OBUS	1.7420e-003	0.03
tblVehicleEF	OBUS	0.03	0.05
tblVehicleEF	OBUS	0.05	0.26
tblVehicleEF	OBUS	0.34	0.12
tblVehicleEF	OBUS	7.6000e-004	0.01
tblVehicleEF	OBUS	0.01	0.01
tblVehicleEF	OBUS	7.9200e-004	2.0100e-004
tblVehicleEF	OBUS	3.9250e-003	0.08
tblVehicleEF	OBUS	0.02	0.03
tblVehicleEF	OBUS	0.05	1.05
tblVehicleEF	OBUS	1.7420e-003	0.03
tblVehicleEF	OBUS	0.04	0.06
tblVehicleEF	OBUS	0.05	0.26

Palomino Business Park (Construction - Mitigated) - Riverside-South Coast County, Winter

tblVehicleEF	OBUS	0.38	0.13
tblVehicleEF	OBUS	0.01	0.14
tblVehicleEF	OBUS	6.8060e-003	6.2600e-003
tblVehicleEF	OBUS	0.03	0.02
tblVehicleEF	OBUS	0.28	8.11
tblVehicleEF	OBUS	0.46	0.72
tblVehicleEF	OBUS	5.84	2.54
tblVehicleEF	OBUS	70.22	1,144.47
tblVehicleEF	OBUS	1,092.94	1,371.03
tblVehicleEF	OBUS	69.71	20.60
tblVehicleEF	OBUS	0.29	5.38
tblVehicleEF	OBUS	0.97	1.20
tblVehicleEF	OBUS	8.2000e-005	0.01
tblVehicleEF	OBUS	5.0070e-003	0.02
tblVehicleEF	OBUS	8.4500e-004	1.9400e-004
tblVehicleEF	OBUS	7.9000e-005	0.01
tblVehicleEF	OBUS	4.7740e-003	0.02
tblVehicleEF	OBUS	7.7700e-004	1.7800e-004
tblVehicleEF	OBUS	1.8300e-003	0.04
tblVehicleEF	OBUS	0.02	0.03
tblVehicleEF	OBUS	0.04	0.77
tblVehicleEF	OBUS	8.3900e-004	0.02
tblVehicleEF	OBUS	0.03	0.05
tblVehicleEF	OBUS	0.05	0.28
tblVehicleEF	OBUS	0.36	0.12
tblVehicleEF	OBUS	6.8200e-004	0.01
tblVehicleEF	OBUS	0.01	0.01

Palomino Business Park (Construction - Mitigated) - Riverside-South Coast County, Winter

tblVehicleEF	OBUS	7.9900e-004	2.0400e-004
tblVehicleEF	OBUS	1.8300e-003	0.04
tblVehicleEF	OBUS	0.02	0.03
tblVehicleEF	OBUS	0.05	1.02
tblVehicleEF	OBUS	8.3900e-004	0.02
tblVehicleEF	OBUS	0.04	0.06
tblVehicleEF	OBUS	0.05	0.28
tblVehicleEF	OBUS	0.40	0.13
tblVehicleEF	SBUS	0.82	0.73
tblVehicleEF	SBUS	0.01	6.3720e-003
tblVehicleEF	SBUS	0.06	7.0630e-003
tblVehicleEF	SBUS	7.82	28.59
tblVehicleEF	SBUS	0.60	0.51
tblVehicleEF	SBUS	6.53	0.94
tblVehicleEF	SBUS	1,137.52	3,391.94
tblVehicleEF	SBUS	1,098.11	1,104.50
tblVehicleEF	SBUS	54.55	6.09
tblVehicleEF	SBUS	9.42	32.22
tblVehicleEF	SBUS	4.31	4.62
tblVehicleEF	SBUS	9.5680e-003	0.03
tblVehicleEF	SBUS	0.01	0.01
tblVehicleEF	SBUS	0.02	0.03
tblVehicleEF	SBUS	4.7600e-004	4.2000e-005
tblVehicleEF	SBUS	9.1540e-003	0.03
tblVehicleEF	SBUS	2.6910e-003	2.6500e-003
tblVehicleEF	SBUS	0.02	0.03
tblVehicleEF	SBUS	4.3700e-004	3.9000e-005

Palomino Business Park (Construction - Mitigated) - Riverside-South Coast County, Winter

tblVehicleEF	SBUS	4.8460e-003	0.01
tblVehicleEF	SBUS	0.03	9.3180e-003
tblVehicleEF	SBUS	0.93	3.37
tblVehicleEF	SBUS	2.2980e-003	6.2660e-003
tblVehicleEF	SBUS	0.10	0.09
tblVehicleEF	SBUS	0.02	0.06
tblVehicleEF	SBUS	0.36	0.04
tblVehicleEF	SBUS	0.01	0.03
tblVehicleEF	SBUS	0.01	0.01
tblVehicleEF	SBUS	6.5900e-004	6.0000e-005
tblVehicleEF	SBUS	4.8460e-003	0.01
tblVehicleEF	SBUS	0.03	9.3180e-003
tblVehicleEF	SBUS	1.33	4.85
tblVehicleEF	SBUS	2.2980e-003	6.2660e-003
tblVehicleEF	SBUS	0.12	0.11
tblVehicleEF	SBUS	0.02	0.06
tblVehicleEF	SBUS	0.39	0.04
tblVehicleEF	SBUS	0.82	0.73
tblVehicleEF	SBUS	0.01	6.4450e-003
tblVehicleEF	SBUS	0.05	5.9200e-003
tblVehicleEF	SBUS	7.71	28.24
tblVehicleEF	SBUS	0.61	0.52
tblVehicleEF	SBUS	4.73	0.68
tblVehicleEF	SBUS	1,189.12	3,481.42
tblVehicleEF	SBUS	1,098.11	1,104.52
tblVehicleEF	SBUS	54.55	5.66
tblVehicleEF	SBUS	9.72	33.02

Palomino Business Park (Construction - Mitigated) - Riverside-South Coast County, Winter

tblVehicleEF	SBUS	4.05	4.35
tblVehicleEF	SBUS	8.0660e-003	0.03
tblVehicleEF	SBUS	0.01	0.01
tblVehicleEF	SBUS	0.02	0.03
tblVehicleEF	SBUS	4.7600e-004	4.2000e-005
tblVehicleEF	SBUS	7.7170e-003	0.03
tblVehicleEF	SBUS	2.6910e-003	2.6500e-003
tblVehicleEF	SBUS	0.02	0.03
tblVehicleEF	SBUS	4.3700e-004	3.9000e-005
tblVehicleEF	SBUS	8.7430e-003	0.02
tblVehicleEF	SBUS	0.03	9.8380e-003
tblVehicleEF	SBUS	0.92	3.36
tblVehicleEF	SBUS	4.2770e-003	0.01
tblVehicleEF	SBUS	0.10	0.09
tblVehicleEF	SBUS	0.01	0.05
tblVehicleEF	SBUS	0.30	0.03
tblVehicleEF	SBUS	0.01	0.03
tblVehicleEF	SBUS	0.01	0.01
tblVehicleEF	SBUS	6.2900e-004	5.6000e-005
tblVehicleEF	SBUS	8.7430e-003	0.02
tblVehicleEF	SBUS	0.03	9.8380e-003
tblVehicleEF	SBUS	1.33	4.85
tblVehicleEF	SBUS	4.2770e-003	0.01
tblVehicleEF	SBUS	0.12	0.11
tblVehicleEF	SBUS	0.01	0.05
tblVehicleEF	SBUS	0.33	0.04
tblVehicleEF	SBUS	0.82	0.73

Palomino Business Park (Construction - Mitigated) - Riverside-South Coast County, Winter

tblVehicleEF	SBUS	0.01	6.3640e-003
tblVehicleEF	SBUS	0.06	7.3130e-003
tblVehicleEF	SBUS	7.98	29.08
tblVehicleEF	SBUS	0.60	0.51
tblVehicleEF	SBUS	6.89	0.98
tblVehicleEF	SBUS	1,066.27	3,268.38
tblVehicleEF	SBUS	1,098.11	1,104.50
tblVehicleEF	SBUS	54.55	6.17
tblVehicleEF	SBUS	9.00	31.13
tblVehicleEF	SBUS	4.26	4.59
tblVehicleEF	SBUS	0.01	0.04
tblVehicleEF	SBUS	0.01	0.01
tblVehicleEF	SBUS	0.02	0.03
tblVehicleEF	SBUS	4.7600e-004	4.2000e-005
tblVehicleEF	SBUS	0.01	0.04
tblVehicleEF	SBUS	2.6910e-003	2.6500e-003
tblVehicleEF	SBUS	0.02	0.03
tblVehicleEF	SBUS	4.3700e-004	3.9000e-005
tblVehicleEF	SBUS	4.2260e-003	0.01
tblVehicleEF	SBUS	0.03	9.5110e-003
tblVehicleEF	SBUS	0.93	3.37
tblVehicleEF	SBUS	2.2070e-003	6.0360e-003
tblVehicleEF	SBUS	0.10	0.09
tblVehicleEF	SBUS	0.02	0.07
tblVehicleEF	SBUS	0.37	0.04
tblVehicleEF	SBUS	0.01	0.03
tblVehicleEF	SBUS	0.01	0.01

Palomino Business Park (Construction - Mitigated) - Riverside-South Coast County, Winter

tblVehicleEF	SBUS	6.6500e-004	6.1000e-005
tblVehicleEF	SBUS	4.2260e-003	0.01
tblVehicleEF	SBUS	0.03	9.5110e-003
tblVehicleEF	SBUS	1.34	4.86
tblVehicleEF	SBUS	2.2070e-003	6.0360e-003
tblVehicleEF	SBUS	0.12	0.11
tblVehicleEF	SBUS	0.02	0.07
tblVehicleEF	SBUS	0.41	0.05
tblVehicleEF	UBUS	1.44	1.3710e-003
tblVehicleEF	UBUS	0.08	0.02
tblVehicleEF	UBUS	7.89	0.07
tblVehicleEF	UBUS	14.42	1.47
tblVehicleEF	UBUS	1,799.80	491.73
tblVehicleEF	UBUS	153.89	18.02
tblVehicleEF	UBUS	4.15	0.05
tblVehicleEF	UBUS	0.49	0.04
tblVehicleEF	UBUS	0.01	3.5230e-003
tblVehicleEF	UBUS	0.04	4.0700e-004
tblVehicleEF	UBUS	1.4590e-003	1.6200e-004
tblVehicleEF	UBUS	0.21	0.02
tblVehicleEF	UBUS	3.0000e-003	8.8100e-004
tblVehicleEF	UBUS	0.04	3.7400e-004
tblVehicleEF	UBUS	1.3420e-003	1.4900e-004
tblVehicleEF	UBUS	9.4280e-003	1.8880e-003
tblVehicleEF	UBUS	0.11	0.01
tblVehicleEF	UBUS	4.6810e-003	3.3750e-003
tblVehicleEF	UBUS	0.46	3.9800e-003

Palomino Business Park (Construction - Mitigated) - Riverside-South Coast County, Winter

tblVehicleEF	UBUS	0.02	0.06
tblVehicleEF	UBUS	1.13	0.08
tblVehicleEF	UBUS	9.6700e-003	4.8660e-003
tblVehicleEF	UBUS	1.8000e-003	1.7800e-004
tblVehicleEF	UBUS	9.4280e-003	1.8880e-003
tblVehicleEF	UBUS	0.11	0.01
tblVehicleEF	UBUS	4.6810e-003	3.3750e-003
tblVehicleEF	UBUS	1.94	5.8410e-003
tblVehicleEF	UBUS	0.02	3.41
tblVehicleEF	UBUS	1.23	0.08
tblVehicleEF	UBUS	1.44	1.4050e-003
tblVehicleEF	UBUS	0.08	0.02
tblVehicleEF	UBUS	7.95	0.07
tblVehicleEF	UBUS	12.35	1.25
tblVehicleEF	UBUS	1,799.80	491.73
tblVehicleEF	UBUS	153.89	17.65
tblVehicleEF	UBUS	3.87	0.04
tblVehicleEF	UBUS	0.49	0.04
tblVehicleEF	UBUS	0.01	3.5230e-003
tblVehicleEF	UBUS	0.04	4.0700e-004
tblVehicleEF	UBUS	1.4590e-003	1.6200e-004
tblVehicleEF	UBUS	0.21	0.02
tblVehicleEF	UBUS	3.0000e-003	8.8100e-004
tblVehicleEF	UBUS	0.04	3.7400e-004
tblVehicleEF	UBUS	1.3420e-003	1.4900e-004
tblVehicleEF	UBUS	0.02	3.3540e-003
tblVehicleEF	UBUS	0.13	0.01

Palomino Business Park (Construction - Mitigated) - Riverside-South Coast County, Winter

tblVehicleEF	UBUS	9.3920e-003	6.7180e-003
tblVehicleEF	UBUS	0.47	4.0760e-003
tblVehicleEF	UBUS	0.02	0.06
tblVehicleEF	UBUS	1.03	0.07
tblVehicleEF	UBUS	9.6710e-003	4.8660e-003
tblVehicleEF	UBUS	1.7640e-003	1.7500e-004
tblVehicleEF	UBUS	0.02	3.3540e-003
tblVehicleEF	UBUS	0.13	0.01
tblVehicleEF	UBUS	9.3920e-003	6.7180e-003
tblVehicleEF	UBUS	1.95	5.9820e-003
tblVehicleEF	UBUS	0.02	3.41
tblVehicleEF	UBUS	1.12	0.08
tblVehicleEF	UBUS	1.44	1.3740e-003
tblVehicleEF	UBUS	0.08	0.02
tblVehicleEF	UBUS	7.88	0.07
tblVehicleEF	UBUS	14.60	1.46
tblVehicleEF	UBUS	1,799.80	491.73
tblVehicleEF	UBUS	153.89	18.00
tblVehicleEF	UBUS	4.12	0.05
tblVehicleEF	UBUS	0.49	0.04
tblVehicleEF	UBUS	0.01	3.5230e-003
tblVehicleEF	UBUS	0.04	4.0700e-004
tblVehicleEF	UBUS	1.4590e-003	1.6200e-004
tblVehicleEF	UBUS	0.21	0.02
tblVehicleEF	UBUS	3.0000e-003	8.8100e-004
tblVehicleEF	UBUS	0.04	3.7400e-004
tblVehicleEF	UBUS	1.3420e-003	1.4900e-004

Palomino Business Park (Construction - Mitigated) - Riverside-South Coast County, Winter

tblVehicleEF	UBUS	8.6090e-003	1.9290e-003
tblVehicleEF	UBUS	0.13	0.01
tblVehicleEF	UBUS	4.2750e-003	3.5400e-003
tblVehicleEF	UBUS	0.46	3.9890e-003
tblVehicleEF	UBUS	0.03	0.07
tblVehicleEF	UBUS	1.13	0.08
tblVehicleEF	UBUS	9.6700e-003	4.8660e-003
tblVehicleEF	UBUS	1.8030e-003	1.7800e-004
tblVehicleEF	UBUS	8.6090e-003	1.9290e-003
tblVehicleEF	UBUS	0.13	0.01
tblVehicleEF	UBUS	4.2750e-003	3.5400e-003
tblVehicleEF	UBUS	1.94	5.8540e-003
tblVehicleEF	UBUS	0.03	3.42
tblVehicleEF	UBUS	1.24	0.08
tblVehicleTrips	ST_TR	204.47	0.00
tblVehicleTrips	ST_TR	696.00	0.00
tblVehicleTrips	ST_TR	722.03	0.00
tblVehicleTrips	ST_TR	2.49	0.00
tblVehicleTrips	ST_TR	1.68	0.00
tblVehicleTrips	ST_TR	49.97	0.00
tblVehicleTrips	SU_TR	166.88	0.00
tblVehicleTrips	SU_TR	500.00	0.00
tblVehicleTrips	SU_TR	542.72	0.00
tblVehicleTrips	SU_TR	0.73	0.00
tblVehicleTrips	SU_TR	1.68	0.00
tblVehicleTrips	SU_TR	25.24	0.00
tblVehicleTrips	WD_TR	542.60	0.00

Palomino Business Park (Construction - Mitigated) - Riverside-South Coast County, Winter

tblVehicleTrips	WD_TR	716.00	0.00
tblVehicleTrips	WD_TR	496.12	0.00
tblVehicleTrips	WD_TR	6.83	0.00
tblVehicleTrips	WD_TR	1.68	0.00
tblVehicleTrips	WD_TR	42.70	0.00
tblWater	IndoorWaterUseRate	125,486.15	0.00
tblWater	IndoorWaterUseRate	1,979,039.81	0.00
tblWater	IndoorWaterUseRate	1,299,124.29	0.00
tblWater	IndoorWaterUseRate	329,868,875.00	0.00
tblWater	IndoorWaterUseRate	139,242,562.50	0.00
tblWater	IndoorWaterUseRate	482,952.84	0.00
tblWater	OutdoorWaterUseRate	76,910.87	0.00
tblWater	OutdoorWaterUseRate	126,321.69	0.00
tblWater	OutdoorWaterUseRate	82,922.83	0.00
tblWater	OutdoorWaterUseRate	296,003.35	0.00

2.0 Emissions Summary

Palomino Business Park (Construction - Mitigated) - Riverside-South Coast County, Winter

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

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Year	lb/day										lb/day					
2020	13.1186	160.0471	76.7508	0.2326	43.6598	5.8919	49.5517	16.9234	5.4230	22.3464	0.0000	23,139.79 31	23,139.79 31	5.6099	0.0000	23,280.04 11
2021	14.6524	148.0057	102.0976	0.4410	34.8147	5.4255	40.2402	14.7523	4.9936	19.7459	0.0000	44,880.82 38	44,880.82 38	5.5924	0.0000	44,958.76 14
2022	65.7280	106.5814	114.4018	0.4818	32.7169	1.8568	34.5737	8.7934	1.7727	10.5661	0.0000	48,889.42 13	48,889.42 13	3.1274	0.0000	48,967.60 61
Maximum	65.7280	160.0471	114.4018	0.4818	43.6598	5.8919	49.5517	16.9234	5.4230	22.3464	0.0000	48,889.42 13	48,889.42 13	5.6099	0.0000	48,967.60 61

Mitigated Construction

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Year	lb/day										lb/day					
2020	4.0512	44.5827	79.0075	0.2326	19.4916	1.0114	20.5030	6.4374	0.9501	7.3875	0.0000	23,139.79 31	23,139.79 31	5.6099	0.0000	23,280.04 11
2021	13.9683	98.6012	103.3305	0.4410	28.1231	1.3700	29.4932	7.5752	1.3060	8.8812	0.0000	44,880.82 37	44,880.82 37	5.5924	0.0000	44,958.76 14
2022	65.1239	98.8272	115.8158	0.4818	32.7169	1.5282	34.2451	8.7934	1.4719	10.2654	0.0000	48,889.42 13	48,889.42 13	3.1274	0.0000	48,967.60 60
Maximum	65.1239	98.8272	115.8158	0.4818	32.7169	1.5282	34.2451	8.7934	1.4719	10.2654	0.0000	48,889.42 13	48,889.42 13	5.6099	0.0000	48,967.60 60

Palomino Business Park (Construction - Mitigated) - Riverside-South Coast County, Winter

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N2O	CO2e
Percent Reduction	11.08	41.63	-1.67	0.00	27.75	70.32	32.26	43.65	69.42	49.61	0.00	0.00	0.00	0.00	0.00	0.00

Palomino Business Park (Construction - Mitigated) - Riverside-South Coast County, Winter

2.2 Overall Operational**Unmitigated Operational**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Area	47.0620	3.9100e-003	0.4282	3.0000e-005		1.5300e-003	1.5300e-003		1.5300e-003	1.5300e-003		0.9164	0.9164	2.4200e-003		0.9768
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	47.0620	3.9100e-003	0.4282	3.0000e-005	0.0000	1.5300e-003	1.5300e-003	0.0000	1.5300e-003	1.5300e-003		0.9164	0.9164	2.4200e-003	0.0000	0.9768

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	47.0620	3.9100e-003	0.4282	3.0000e-005		1.5300e-003	1.5300e-003		1.5300e-003	1.5300e-003		0.9164	0.9164	2.4200e-003		0.9768
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	47.0620	3.9100e-003	0.4282	3.0000e-005	0.0000	1.5300e-003	1.5300e-003	0.0000	1.5300e-003	1.5300e-003		0.9164	0.9164	2.4200e-003	0.0000	0.9768

Palomino Business Park (Construction - Mitigated) - Riverside-South Coast County, Winter

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

3.0 Construction Detail**Construction Phase**

Phase Number	Phase Name	Phase Type	Start Date	End Date	Num Days Week	Num Days	Phase Description
1	Demolition	Demolition	7/5/2020	8/28/2020	5	40	
2	Site Preparation	Site Preparation	8/29/2020	12/18/2020	5	80	
3	Grading	Grading	12/19/2020	4/9/2021	5	80	
4	Building Construction	Building Construction	4/10/2021	6/3/2022	5	300	
5	Architectural Coating	Architectural Coating	1/1/2022	10/7/2022	5	200	
6	Paving	Paving	8/13/2022	10/7/2022	5	40	

Acres of Grading (Site Preparation Phase): 280**Acres of Grading (Grading Phase): 640****Acres of Paving: 65.38****Residential Indoor: 0; Residential Outdoor: 0; Non-Residential Indoor: 3,075,000; Non-Residential Outdoor: 1,025,000; Striped Parking Area: 170,873 (Architectural Coating – sqft)****OffRoad Equipment**

Palomino Business Park (Construction - Mitigated) - Riverside-South Coast County, Winter

Phase Name	Offroad Equipment Type	Amount	Usage Hours	Horse Power	Load Factor
Demolition	Concrete/Industrial Saws	1	8.00	81	0.73
Demolition	Crushing/Proc. Equipment	1	8.00	85	0.78
Demolition	Excavators	2	8.00	158	0.38
Demolition	Rubber Tired Dozers	2	8.00	247	0.40
Site Preparation	Crawler Tractors	4	8.00	212	0.43
Site Preparation	Rubber Tired Dozers	3	8.00	247	0.40
Site Preparation	Tractors/Loaders/Backhoes	0	8.00	97	0.37
Grading	Excavators	2	8.00	158	0.38
Grading	Graders	4	8.00	187	0.41
Grading	Off-Highway Trucks	2	8.00	402	0.38
Grading	Rubber Tired Dozers	4	8.00	247	0.40
Grading	Scrapers	4	8.00	367	0.48
Grading	Tractors/Loaders/Backhoes	2	8.00	97	0.37
Building Construction	Cranes	2	8.00	231	0.29
Building Construction	Forklifts	3	8.00	89	0.20
Building Construction	Generator Sets	2	8.00	84	0.74
Building Construction	Tractors/Loaders/Backhoes	3	8.00	97	0.37
Building Construction	Welders	2	8.00	46	0.45
Architectural Coating	Air Compressors	3	8.00	78	0.48
Paving	Pavers	2	8.00	130	0.42
Paving	Paving Equipment	2	8.00	132	0.36
Paving	Rollers	2	8.00	80	0.38

Trips and VMT

Palomino Business Park (Construction - Mitigated) - Riverside-South Coast County, Winter

Phase Name	Offroad Equipment Count	Worker Trip Number	Vendor Trip Number	Hauling Trip Number	Worker Trip Length	Vendor Trip Length	Hauling Trip Length	Worker Vehicle Class	Vendor Vehicle Class	Hauling Vehicle Class
Demolition	6	15.00	0.00	1,365.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Site Preparation	7	18.00	0.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Grading	18	45.00	0.00	6,895.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Building Construction	12	2,056.00	803.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Architectural Coating	3	411.00	0.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Paving	6	15.00	0.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT

3.1 Mitigation Measures Construction

Use Cleaner Engines for Construction Equipment

Water Exposed Area

3.2 Demolition - 2020**Unmitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					7.4282	0.0000	7.4282	1.1247	0.0000	1.1247			0.0000			0.0000
Off-Road	3.6202	34.5875	22.8377	0.0407		1.7827	1.7827		1.6752	1.6752		3,912.1166	3,912.1166	0.9453		3,935.7494
Total	3.6202	34.5875	22.8377	0.0407	7.4282	1.7827	9.2109	1.1247	1.6752	2.7999		3,912.1166	3,912.1166	0.9453		3,935.7494

Palomino Business Park (Construction - Mitigated) - Riverside-South Coast County, Winter

3.2 Demolition - 2020**Unmitigated Construction Off-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.1846	8.1510	1.1677	0.0253	0.5970	0.0261	0.6231	0.1637	0.0250	0.1886		2,687.541 1	2,687.541 1	0.1798		2,692.036 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	0.0748	0.0467	0.4893	1.4900e-003	0.1677	1.0200e-003	0.1687	0.0445	9.3000e-004	0.0454		148.2354	148.2354	3.6800e-003		148.3274
Total	0.2594	8.1977	1.6570	0.0268	0.7646	0.0271	0.7918	0.2081	0.0259	0.2340		2,835.776 4	2,835.776 4	0.1835		2,840.363 6

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					1.9313	0.0000	1.9313	0.2924	0.0000	0.2924			0.0000			0.0000
Off-Road	1.3075	8.5545	23.5420	0.0407		0.4839	0.4839		0.4839	0.4839	0.0000	3,912.116 6	3,912.116 6	0.9453		3,935.749 4
Total	1.3075	8.5545	23.5420	0.0407	1.9313	0.4839	2.4152	0.2924	0.4839	0.7763	0.0000	3,912.116 6	3,912.116 6	0.9453		3,935.749 4

Palomino Business Park (Construction - Mitigated) - Riverside-South Coast County, Winter

3.2 Demolition - 2020**Mitigated Construction Off-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.1846	8.1510	1.1677	0.0253	0.5970	0.0261	0.6231	0.1637	0.0250	0.1886		2,687.541 1	2,687.541 1	0.1798		2,692.036 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	0.0748	0.0467	0.4893	1.4900e-003	0.1677	1.0200e-003	0.1687	0.0445	9.3000e-004	0.0454		148.2354	148.2354	3.6800e-003		148.3274
Total	0.2594	8.1977	1.6570	0.0268	0.7646	0.0271	0.7918	0.2081	0.0259	0.2340		2,835.776 4	2,835.776 4	0.1835		2,840.363 6

3.3 Site Preparation - 2020**Unmitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					21.7780	0.0000	21.7780	10.3315	0.0000	10.3315			0.0000			0.0000
Off-Road	5.5539	63.7874	22.3947	0.0570		2.7875	2.7875		2.5645	2.5645		5,523.581 2	5,523.581 2	1.7864		5,568.242 1
Total	5.5539	63.7874	22.3947	0.0570	21.7780	2.7875	24.5655	10.3315	2.5645	12.8960		5,523.581 2	5,523.581 2	1.7864		5,568.242 1

Palomino Business Park (Construction - Mitigated) - Riverside-South Coast County, Winter

3.3 Site Preparation - 2020**Unmitigated Construction Off-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	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	0.0897	0.0560	0.5871	1.7900e-003	0.2012	1.2200e-003	0.2024	0.0534	1.1200e-003	0.0545		177.8824	177.8824	4.4200e-003		177.9929
Total	0.0897	0.0560	0.5871	1.7900e-003	0.2012	1.2200e-003	0.2024	0.0534	1.1200e-003	0.0545		177.8824	177.8824	4.4200e-003		177.9929

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					5.6623	0.0000	5.6623	2.6862	0.0000	2.6862			0.0000			0.0000
Off-Road	0.6995	3.0313	25.6493	0.0570		0.0933	0.0933		0.0933	0.0933	0.0000	5,523.581 2	5,523.581 2	1.7864		5,568.242 1
Total	0.6995	3.0313	25.6493	0.0570	5.6623	0.0933	5.7556	2.6862	0.0933	2.7795	0.0000	5,523.581 2	5,523.581 2	1.7864		5,568.242 1

Palomino Business Park (Construction - Mitigated) - Riverside-South Coast County, Winter

3.3 Site Preparation - 2020**Mitigated Construction Off-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	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	0.0897	0.0560	0.5871	1.7900e-003	0.2012	1.2200e-003	0.2024	0.0534	1.1200e-003	0.0545		177.8824	177.8824	4.4200e-003		177.9929
Total	0.0897	0.0560	0.5871	1.7900e-003	0.2012	1.2200e-003	0.2024	0.0534	1.1200e-003	0.0545		177.8824	177.8824	4.4200e-003		177.9929

3.4 Grading - 2020**Unmitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					32.6597	0.0000	32.6597	14.1702	0.0000	14.1702			0.0000			0.0000
Off-Road	12.4281	139.3205	72.3339	0.1642		5.8230	5.8230		5.3571	5.3571		15,907.3230	15,907.3230	5.1448		16,035.9418
Total	12.4281	139.3205	72.3339	0.1642	32.6597	5.8230	38.4826	14.1702	5.3571	19.5273		15,907.3230	15,907.3230	5.1448		16,035.9418

Palomino Business Park (Construction - Mitigated) - Riverside-South Coast County, Winter

3.4 Grading - 2020**Unmitigated Construction Off-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.4662	20.5865	2.9492	0.0640	10.4971	0.0660	10.5630	2.6198	0.0631	2.6829		6,787.764 0	6,787.764 0	0.4541		6,799.117 1
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	0.2243	0.1401	1.4678	4.4600e-003	0.5030	3.0500e-003	0.5060	0.1334	2.8000e-003	0.1362		444.7061	444.7061	0.0111		444.9823
Total	0.6905	20.7266	4.4170	0.0684	11.0001	0.0690	11.0691	2.7532	0.0659	2.8191		7,232.470 1	7,232.470 1	0.4652		7,244.099 3

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					8.4915	0.0000	8.4915	3.6843	0.0000	3.6843			0.0000			0.0000
Off-Road	3.3607	23.8562	74.5905	0.1642		0.9424	0.9424		0.8842	0.8842	0.0000	15,907.32 30	15,907.32 30	5.1448		16,035.94 18
Total	3.3607	23.8562	74.5905	0.1642	8.4915	0.9424	9.4339	3.6843	0.8842	4.5685	0.0000	15,907.32 30	15,907.32 30	5.1448		16,035.94 18

Palomino Business Park (Construction - Mitigated) - Riverside-South Coast County, Winter

3.4 Grading - 2020**Mitigated Construction Off-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.4662	20.5865	2.9492	0.0640	10.4971	0.0660	10.5630	2.6198	0.0631	2.6829		6,787.7640	6,787.7640	0.4541		6,799.1171
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	0.2243	0.1401	1.4678	4.4600e-003	0.5030	3.0500e-003	0.5060	0.1334	2.8000e-003	0.1362		444.7061	444.7061	0.0111		444.9823
Total	0.6905	20.7266	4.4170	0.0684	11.0001	0.0690	11.0691	2.7532	0.0659	2.8191		7,232.4701	7,232.4701	0.4652		7,244.0993

3.4 Grading - 2021**Unmitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					32.6597	0.0000	32.6597	14.1702	0.0000	14.1702			0.0000			0.0000
Off-Road	11.7599	129.0197	69.5114	0.1642		5.3647	5.3647		4.9355	4.9355		15,907.0214	15,907.0214	5.1447		16,035.6377
Total	11.7599	129.0197	69.5114	0.1642	32.6597	5.3647	38.0243	14.1702	4.9355	19.1057		15,907.0214	15,907.0214	5.1447		16,035.6377

Palomino Business Park (Construction - Mitigated) - Riverside-South Coast County, Winter

3.4 Grading - 2021**Unmitigated Construction Off-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.4415	18.8603	2.8736	0.0633	1.6521	0.0579	1.7099	0.4487	0.0554	0.5041		6,716.178 3	6,716.178 3	0.4378		6,727.122 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	0.2094	0.1257	1.3429	4.3100e-003	0.5030	2.9600e-003	0.5060	0.1334	2.7300e-003	0.1361		429.8371	429.8371	9.9300e-003		430.0854
Total	0.6508	18.9860	4.2166	0.0676	2.1551	0.0608	2.2159	0.5821	0.0581	0.6402		7,146.015 4	7,146.015 4	0.4477		7,157.208 0

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					8.4915	0.0000	8.4915	3.6843	0.0000	3.6843			0.0000			0.0000
Off-Road	3.2018	21.3188	74.1401	0.1642		0.8251	0.8251		0.7763	0.7763	0.0000	15,907.02 14	15,907.02 14	5.1447		16,035.63 77
Total	3.2018	21.3188	74.1401	0.1642	8.4915	0.8251	9.3166	3.6843	0.7763	4.4605	0.0000	15,907.02 14	15,907.02 14	5.1447		16,035.63 77

Palomino Business Park (Construction - Mitigated) - Riverside-South Coast County, Winter

3.4 Grading - 2021**Mitigated Construction Off-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.4415	18.8603	2.8736	0.0633	1.6521	0.0579	1.7099	0.4487	0.0554	0.5041		6,716.178 3	6,716.178 3	0.4378		6,727.122 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	0.2094	0.1257	1.3429	4.3100e-003	0.5030	2.9600e-003	0.5060	0.1334	2.7300e-003	0.1361		429.8371	429.8371	9.9300e-003		430.0854
Total	0.6508	18.9860	4.2166	0.0676	2.1551	0.0608	2.2159	0.5821	0.0581	0.6402		7,146.015 4	7,146.015 4	0.4477		7,157.208 0

3.5 Building Construction - 2021**Unmitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	3.0957	28.2736	25.0570	0.0437		1.4639	1.4639		1.3855	1.3855		4,125.294 8	4,125.294 8	0.9146		4,148.160 2
Total	3.0957	28.2736	25.0570	0.0437		1.4639	1.4639		1.3855	1.3855		4,125.294 8	4,125.294 8	0.9146		4,148.160 2

Palomino Business Park (Construction - Mitigated) - Riverside-South Coast County, Winter

3.5 Building Construction - 2021**Unmitigated Construction Off-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	1.9910	73.6691	15.6834	0.2003	5.1419	0.1456	5.2875	1.4804	0.1393	1.6197		21,116.74 95	21,116.74 95	1.7491		21,160.47 65
Worker	9.5656	5.7428	61.3572	0.1970	22.9812	0.1354	23.1167	6.0947	0.1247	6.2194		19,638.77 94	19,638.77 94	0.4538		19,650.12 47
Total	11.5566	79.4119	77.0406	0.3973	28.1231	0.2810	28.4042	7.5752	0.2639	7.8391		40,755.52 89	40,755.52 89	2.2029		40,810.60 12

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	2.4117	19.1893	26.2899	0.0437		1.0890	1.0890		1.0421	1.0421	0.0000	4,125.294 8	4,125.294 8	0.9146		4,148.160 2
Total	2.4117	19.1893	26.2899	0.0437		1.0890	1.0890		1.0421	1.0421	0.0000	4,125.294 8	4,125.294 8	0.9146		4,148.160 2

Palomino Business Park (Construction - Mitigated) - Riverside-South Coast County, Winter

3.5 Building Construction - 2021**Mitigated Construction Off-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	1.9910	73.6691	15.6834	0.2003	5.1419	0.1456	5.2875	1.4804	0.1393	1.6197		21,116.74 95	21,116.74 95	1.7491		21,160.47 65
Worker	9.5656	5.7428	61.3572	0.1970	22.9812	0.1354	23.1167	6.0947	0.1247	6.2194		19,638.77 94	19,638.77 94	0.4538		19,650.12 47
Total	11.5566	79.4119	77.0406	0.3973	28.1231	0.2810	28.4042	7.5752	0.2639	7.8391		40,755.52 89	40,755.52 89	2.2029		40,810.60 12

3.5 Building Construction - 2022**Unmitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	2.7943	25.3425	24.7033	0.0437		1.2491	1.2491		1.1829	1.1829		4,126.494 6	4,126.494 6	0.9062		4,149.150 5
Total	2.7943	25.3425	24.7033	0.0437		1.2491	1.2491		1.1829	1.1829		4,126.494 6	4,126.494 6	0.9062		4,149.150 5

Palomino Business Park (Construction - Mitigated) - Riverside-South Coast County, Winter

3.5 Building Construction - 2022**Unmitigated Construction Off-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	1.8591	69.4062	14.6402	0.1985	5.1417	0.1227	5.2643	1.4804	0.1173	1.5977		20,932.37 41	20,932.37 41	1.6582		20,973.82 90
Worker	8.9738	5.1661	56.5079	0.1898	22.9812	0.1319	23.1131	6.0947	0.1214	6.2161		18,922.16 75	18,922.16 75	0.4081		18,932.36 97
Total	10.8329	74.5723	71.1481	0.3882	28.1229	0.2545	28.3774	7.5751	0.2387	7.8138		39,854.54 16	39,854.54 16	2.0663		39,906.19 87

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	2.1902	17.5883	26.1172	0.0437		0.9205	0.9205		0.8821	0.8821	0.0000	4,126.494 6	4,126.494 6	0.9062		4,149.150 5
Total	2.1902	17.5883	26.1172	0.0437		0.9205	0.9205		0.8821	0.8821	0.0000	4,126.494 6	4,126.494 6	0.9062		4,149.150 5

Palomino Business Park (Construction - Mitigated) - Riverside-South Coast County, Winter

3.5 Building Construction - 2022**Mitigated Construction Off-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	1.8591	69.4062	14.6402	0.1985	5.1417	0.1227	5.2643	1.4804	0.1173	1.5977		20,932.37 41	20,932.37 41	1.6582		20,973.82 90
Worker	8.9738	5.1661	56.5079	0.1898	22.9812	0.1319	23.1131	6.0947	0.1214	6.2161		18,922.16 75	18,922.16 75	0.4081		18,932.36 97
Total	10.8329	74.5723	71.1481	0.3882	28.1229	0.2545	28.3774	7.5751	0.2387	7.8138		39,854.54 16	39,854.54 16	2.0663		39,906.19 87

3.6 Architectural Coating - 2022**Unmitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Archit. Coating	49.4887					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Off-Road	0.8182	5.6339	7.2544	0.0119		0.3269	0.3269		0.3269	0.3269		1,125.792 2	1,125.792 2	0.0733		1,127.624 6
Total	50.3069	5.6339	7.2544	0.0119		0.3269	0.3269		0.3269	0.3269		1,125.792 2	1,125.792 2	0.0733		1,127.624 6

Palomino Business Park (Construction - Mitigated) - Riverside-South Coast County, Winter

3.6 Architectural Coating - 2022**Unmitigated Construction Off-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	1.7939	1.0327	11.2961	0.0379	4.5940	0.0264	4.6204	1.2184	0.0243	1.2426		3,782.5928	3,782.5928	0.0816		3,784.6323
Total	1.7939	1.0327	11.2961	0.0379	4.5940	0.0264	4.6204	1.2184	0.0243	1.2426		3,782.5928	3,782.5928	0.0816		3,784.6323

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Archit. Coating	49.4887					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Off-Road	0.8182	5.6339	7.2544	0.0119		0.3269	0.3269		0.3269	0.3269	0.0000	1,125.7922	1,125.7922	0.0733		1,127.6246
Total	50.3069	5.6339	7.2544	0.0119		0.3269	0.3269		0.3269	0.3269	0.0000	1,125.7922	1,125.7922	0.0733		1,127.6246

Palomino Business Park (Construction - Mitigated) - Riverside-South Coast County, Winter

3.6 Architectural Coating - 2022**Mitigated Construction Off-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	1.7939	1.0327	11.2961	0.0379	4.5940	0.0264	4.6204	1.2184	0.0243	1.2426		3,782.5928	3,782.5928	0.0816		3,784.6323
Total	1.7939	1.0327	11.2961	0.0379	4.5940	0.0264	4.6204	1.2184	0.0243	1.2426		3,782.5928	3,782.5928	0.0816		3,784.6323

3.7 Paving - 2022**Unmitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	1.1028	11.1249	14.5805	0.0228		0.5679	0.5679		0.5225	0.5225		2,207.6603	2,207.6603	0.7140		2,225.5104
Paving	4.2824					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Total	5.3852	11.1249	14.5805	0.0228		0.5679	0.5679		0.5225	0.5225		2,207.6603	2,207.6603	0.7140		2,225.5104

Palomino Business Park (Construction - Mitigated) - Riverside-South Coast County, Winter

3.7 Paving - 2022**Unmitigated Construction Off-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0655	0.0377	0.4123	1.3800e-003	0.1677	9.6000e-004	0.1686	0.0445	8.9000e-004	0.0454		138.0508	138.0508	2.9800e-003		138.1253
Total	0.0655	0.0377	0.4123	1.3800e-003	0.1677	9.6000e-004	0.1686	0.0445	8.9000e-004	0.0454		138.0508	138.0508	2.9800e-003		138.1253

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	1.1028	11.1249	14.5805	0.0228		0.5679	0.5679		0.5225	0.5225	0.0000	2,207.6603	2,207.6603	0.7140		2,225.5104
Paving	4.2824					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Total	5.3852	11.1249	14.5805	0.0228		0.5679	0.5679		0.5225	0.5225	0.0000	2,207.6603	2,207.6603	0.7140		2,225.5104

Palomino Business Park (Construction - Mitigated) - Riverside-South Coast County, Winter

3.7 Paving - 2022**Mitigated Construction Off-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0655	0.0377	0.4123	1.3800e-003	0.1677	9.6000e-004	0.1686	0.0445	8.9000e-004	0.0454		138.0508	138.0508	2.9800e-003		138.1253
Total	0.0655	0.0377	0.4123	1.3800e-003	0.1677	9.6000e-004	0.1686	0.0445	8.9000e-004	0.0454		138.0508	138.0508	2.9800e-003		138.1253

4.0 Operational Detail - Mobile**4.1 Mitigation Measures Mobile**

Palomino Business Park (Construction - Mitigated) - Riverside-South Coast County, Winter

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Mitigated	0.0000	0.0000	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
Convenience Market With Gas Pumps	0.00	0.00	0.00		
Fast Food Restaurant w/o Drive Thru	0.00	0.00	0.00		
Fast Food Restaurant with Drive Thru	0.00	0.00	0.00		
Industrial Park	0.00	0.00	0.00		
Other Asphalt Surfaces	0.00	0.00	0.00		
Parking Lot	0.00	0.00	0.00		
Refrigerated Warehouse-No Rail	0.00	0.00	0.00		
Regional Shopping Center	0.00	0.00	0.00		
Total	0.00	0.00	0.00		

4.3 Trip Type Information

Palomino Business Park (Construction - Mitigated) - Riverside-South Coast County, Winter

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
Convenience Market With Gas	16.60	8.40	6.90	0.80	80.20	19.00	14	21	65
Fast Food Restaurant w/o Drive	16.60	8.40	6.90	1.50	79.50	19.00	51	37	12
Fast Food Restaurant with Drive	16.60	8.40	6.90	2.20	78.80	19.00	29	21	50
Industrial Park	16.60	8.40	6.90	59.00	28.00	13.00	79	19	2
Other Asphalt Surfaces	16.60	8.40	6.90	0.00	0.00	0.00	0	0	0
Parking Lot	16.60	8.40	6.90	0.00	0.00	0.00	0	0	0
Refrigerated Warehouse-No	16.60	8.40	6.90	59.00	0.00	41.00	92	5	3
Regional Shopping Center	16.60	8.40	6.90	16.30	64.70	19.00	54	35	11

4.4 Fleet Mix

Land Use	LDA	LDT1	LDT2	MDV	LHD1	LHD2	MHD	HHD	OBUS	UBUS	MCY	SBUS	MH
Convenience Market With Gas Pumps	0.545527	0.036856	0.186032	0.115338	0.015222	0.004970	0.017525	0.069528	0.001397	0.001160	0.004547	0.000932	0.000965
Fast Food Restaurant w/o Drive Thru	0.545527	0.036856	0.186032	0.115338	0.015222	0.004970	0.017525	0.069528	0.001397	0.001160	0.004547	0.000932	0.000965
Fast Food Restaurant with Drive Thru	0.545527	0.036856	0.186032	0.115338	0.015222	0.004970	0.017525	0.069528	0.001397	0.001160	0.004547	0.000932	0.000965
Industrial Park	0.545527	0.036856	0.186032	0.115338	0.015222	0.004970	0.017525	0.069528	0.001397	0.001160	0.004547	0.000932	0.000965
Other Asphalt Surfaces	0.545527	0.036856	0.186032	0.115338	0.015222	0.004970	0.017525	0.069528	0.001397	0.001160	0.004547	0.000932	0.000965
Parking Lot	0.545527	0.036856	0.186032	0.115338	0.015222	0.004970	0.017525	0.069528	0.001397	0.001160	0.004547	0.000932	0.000965
Refrigerated Warehouse-No Rail	0.545527	0.036856	0.186032	0.115338	0.015222	0.004970	0.017525	0.069528	0.001397	0.001160	0.004547	0.000932	0.000965
Regional Shopping Center	0.545527	0.036856	0.186032	0.115338	0.015222	0.004970	0.017525	0.069528	0.001397	0.001160	0.004547	0.000932	0.000965

5.0 Energy Detail

Historical Energy Use: N

5.1 Mitigation Measures Energy

Palomino Business Park (Construction - Mitigated) - Riverside-South Coast County, Winter

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
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

Palomino Business Park (Construction - Mitigated) - Riverside-South Coast County, Winter

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					
Convenience Market With Gas Pumps	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
Fast Food Restaurant w/o Drive Thru	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
Fast Food Restaurant with Drive Thru	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
Industrial Park	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Other Asphalt Surfaces	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Parking Lot	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Refrigerated Warehouse-No Rail	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
Regional Shopping Center	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

Palomino Business Park (Construction - Mitigated) - Riverside-South Coast County, Winter

5.2 Energy by Land Use - NaturalGas**Mitigated**

	NaturalGas Use	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Land Use	kBTU/yr	lb/day										lb/day					
Convenience Market With Gas Pumps	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
Fast Food Restaurant w/o Drive Thru	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
Fast Food Restaurant with Drive Thru	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
Industrial Park	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Other Asphalt Surfaces	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Parking Lot	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Refrigerated Warehouse-No Rail	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
Regional Shopping Center	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**

Palomino Business Park (Construction - Mitigated) - Riverside-South Coast County, Winter

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Mitigated	47.0620	3.9100e-003	0.4282	3.0000e-005		1.5300e-003	1.5300e-003		1.5300e-003	1.5300e-003		0.9164	0.9164	2.4200e-003		0.9768
Unmitigated	47.0620	3.9100e-003	0.4282	3.0000e-005		1.5300e-003	1.5300e-003		1.5300e-003	1.5300e-003		0.9164	0.9164	2.4200e-003		0.9768

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	5.4234					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Consumer Products	41.5987					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Landscaping	0.0398	3.9100e-003	0.4282	3.0000e-005		1.5300e-003	1.5300e-003		1.5300e-003	1.5300e-003		0.9164	0.9164	2.4200e-003		0.9768
Total	47.0620	3.9100e-003	0.4282	3.0000e-005		1.5300e-003	1.5300e-003		1.5300e-003	1.5300e-003		0.9164	0.9164	2.4200e-003		0.9768

Palomino Business Park (Construction - Mitigated) - Riverside-South Coast County, Winter

6.2 Area by SubCategory**Mitigated**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
SubCategory	lb/day										lb/day					
Architectural Coating	5.4234					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Consumer Products	41.5987					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Landscaping	0.0398	3.9100e-003	0.4282	3.0000e-005		1.5300e-003	1.5300e-003		1.5300e-003	1.5300e-003		0.9164	0.9164	2.4200e-003		0.9768
Total	47.0620	3.9100e-003	0.4282	3.0000e-005		1.5300e-003	1.5300e-003		1.5300e-003	1.5300e-003		0.9164	0.9164	2.4200e-003		0.9768

7.0 Water Detail**7.1 Mitigation Measures Water****8.0 Waste Detail****8.1 Mitigation Measures Waste****9.0 Operational Offroad**

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

10.0 Stationary Equipment**Fire Pumps and Emergency Generators**

Palomino Business Park (Construction - Mitigated) - Riverside-South Coast County, Winter

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

Boilers

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

User Defined Equipment

Equipment Type	Number
----------------	--------

11.0 Vegetation

APPENDIX 2.2:

AERMOD MODEL INPUT/OUTPUT

11794 Cons HRA

** Lakes Environmental AERMOD MPI

**

**

** AERMOD INPUT PRODUCED BY:

** AERMOD VIEW VER. 9.7.0

** LAKES ENVIRONMENTAL SOFTWARE INC.

** DATE: 8/1/2019

** FILE: C:\LAKES\AERMOD VIEW\11794 CONS HRA\11794 CONS HRA.ADI

**

**

**

** AERMOD CONTROL PATHWAY

**

**

CO STARTING

TITLEONE C:\LAKES\AERMOD VIEW\11794 CONS HRA\11794 CONS HRA.ISC

MODELOPT DFAULT CONC

AVERTIME ANNUAL

URBANOPT 2189641

POLLUTID DPM

RUNORNOT RUN

ERRORFIL "11794 CONS HRA.ERR"

CO FINISHED

**

** AERMOD SOURCE PATHWAY

**

**

SO STARTING

** SOURCE LOCATION **

** SOURCE ID - TYPE - X COORD. - Y COORD. **

SOURCE ID	TYPE	X COORD.	Y COORD.	
LOCATION PAREA1	AREAPOLY	447238.188	3752140.490	180.000

** DESCRSRC DEMOLITION

LOCATION PAREA3	AREAPOLY	447238.188	3752140.490	180.000
-----------------	----------	------------	-------------	---------

** DESCRSRC SITE PREPARATION

LOCATION PAREA4	AREAPOLY	447238.188	3752140.490	180.000
-----------------	----------	------------	-------------	---------

** DESCRSRC GRADING

LOCATION PAREA5	AREAPOLY	447238.188	3752140.490	180.000
-----------------	----------	------------	-------------	---------

** DESCRSRC BUILDING CONSTRUCTION

LOCATION PAREA6	AREAPOLY	447238.188	3752140.490	180.000
-----------------	----------	------------	-------------	---------

** DESCRSRC ARCHITECTURAL COATINGS

LOCATION PAREA7	AREAPOLY	447238.188	3752140.490	180.000
-----------------	----------	------------	-------------	---------

** DESCRSRC PAVING

11794 Cons HRA

LOCATION PAREA2	AREAPOLY	447422.425	3751406.113	179.920
** DESCRSRC BORROW SITE CONSTRUCTION				
** SOURCE PARAMETERS **				
SRCPARAM PAREA1	1.0133E-09	5.000	135	1.400
AREAVERT PAREA1	447238.188	3752140.490	447290.386	3752140.272
AREAVERT PAREA1	447300.739	3752141.135	447315.406	3752136.821
AREAVERT PAREA1	447319.720	3752139.410	447330.073	3752139.410
AREAVERT PAREA1	447335.250	3752136.821	447330.936	3752169.606
AREAVERT PAREA1	447335.250	3752210.155	447336.975	3752226.548
AREAVERT PAREA1	447349.054	3752234.313	447368.034	3752236.038
AREAVERT PAREA1	447411.172	3752239.489	447435.329	3752236.901
AREAVERT PAREA1	447469.839	3752236.901	447481.055	3752235.175
AREAVERT PAREA1	447507.800	3752235.175	447545.762	3752236.038
AREAVERT PAREA1	447562.154	3752236.901	447577.684	3752236.038
AREAVERT PAREA1	447595.801	3752233.450	447607.880	3752236.038
AREAVERT PAREA1	447628.586	3752237.764	447652.743	3752238.626
AREAVERT PAREA1	447659.645	3752238.626	447674.312	3752234.313
AREAVERT PAREA1	447684.665	3752232.587	447690.704	3752226.548
AREAVERT PAREA1	447696.744	3752219.646	447697.606	3752211.018
AREAVERT PAREA1	447697.606	3752195.489	447697.606	3752174.783
AREAVERT PAREA1	447695.881	3752072.978	447695.018	3752047.095
AREAVERT PAREA1	447701.057	3752045.369	447707.959	3752041.056
AREAVERT PAREA1	447710.548	3752036.742	447712.273	3752030.703
AREAVERT PAREA1	447717.450	3752033.291	447722.626	3752036.742
AREAVERT PAREA1	447742.470	3752036.742	447751.960	3752040.193
AREAVERT PAREA1	447770.078	3752039.330	447787.333	3752033.291
AREAVERT PAREA1	447790.784	3752025.526	447794.235	3752004.820
AREAVERT PAREA1	447796.823	3751988.428	447797.686	3751962.545
AREAVERT PAREA1	447791.647	3751950.466	447787.333	3751944.427
AREAVERT PAREA1	447785.607	3751934.074	447785.607	3751929.760
AREAVERT PAREA1	447789.921	3751923.721	447794.235	3751902.152
AREAVERT PAREA1	447795.960	3751890.074	447795.098	3751874.544
AREAVERT PAREA1	447795.098	3751851.250	447792.509	3751832.269
AREAVERT PAREA1	447790.784	3751820.191	447787.333	3751812.426
AREAVERT PAREA1	447786.470	3751804.661	447789.058	3751797.759
AREAVERT PAREA1	447789.921	3751788.269	447789.921	3751775.327
AREAVERT PAREA1	447794.235	3751771.014	447795.098	3751752.896
AREAVERT PAREA1	447793.372	3751741.680	447791.647	3751726.150
AREAVERT PAREA1	447789.921	3751715.797	447786.096	3751699.161
AREAVERT PAREA1	447786.096	3751694.085	447790.156	3751690.025
AREAVERT PAREA1	447790.156	3751679.874	447790.156	3751669.724
AREAVERT PAREA1	447789.141	3751658.558	447789.141	3751650.437
AREAVERT PAREA1	447785.081	3751640.286	447781.020	3751635.211
AREAVERT PAREA1	447760.719	3751618.970	447713.010	3751593.593
AREAVERT PAREA1	447663.271	3751579.382	447652.105	3751568.216
AREAVERT PAREA1	447616.578	3751561.110	447606.427	3751554.005
AREAVERT PAREA1	447584.095	3751551.975	447573.945	3751545.884
AREAVERT PAREA1	447571.914	3751534.718	447558.718	3751518.477

11794 Cons HRA

AREAVERT PAREA1	447556.688	3751512.387	447558.718	3751507.311
AREAVERT PAREA1	447562.779	3751497.160	447563.299	3751480.973
AREAVERT PAREA1	447560.757	3751470.803	447558.850	3751468.261
AREAVERT PAREA1	447542.324	3751463.176	447482.574	3751458.091
AREAVERT PAREA1	447443.801	3751458.726	447408.842	3751461.904
AREAVERT PAREA1	447402.485	3751463.176	447397.400	3751463.811
AREAVERT PAREA1	447392.315	3751464.447	447388.501	3751463.811
AREAVERT PAREA1	447386.595	3751463.176	447379.603	3751460.633
AREAVERT PAREA1	447373.882	3751459.362	447367.526	3751460.633
AREAVERT PAREA1	447345.279	3751457.455	447335.109	3751458.091
AREAVERT PAREA1	447323.667	3751459.362	447313.497	3751461.904
AREAVERT PAREA1	447289.979	3751457.455	447255.655	3751452.370
AREAVERT PAREA1	447244.849	3751453.641	447227.687	3751449.827
AREAVERT PAREA1	447224.509	3751446.649	447215.611	3751447.285
AREAVERT PAREA1	447210.526	3751448.556	447204.805	3751453.006
AREAVERT PAREA1	447199.084	3751463.176	447197.177	3751474.617
AREAVERT PAREA1	447195.270	3751486.694	447195.906	3751503.856
AREAVERT PAREA1	447197.813	3751527.374	447200.355	3751540.722
AREAVERT PAREA1	447193.999	3751716.791	447199.084	3751786.075
AREAVERT PAREA1	447191.457	3751887.140	447198.070	3752232.528
AREAVERT PAREA1	447207.041	3752237.013	447213.321	3752238.807
AREAVERT PAREA1	447232.160	3752236.116	447236.646	3752228.939
AREAVERT PAREA1	447238.440	3752209.203	447239.337	3752184.083
AREAVERT PAREA1	447237.543	3752166.141		
SRCPARAM PAREA3	3.9075E-10	5.000	135	1.400
AREAVERT PAREA3	447238.188	3752140.490	447290.386	3752140.272
AREAVERT PAREA3	447300.739	3752141.135	447315.406	3752136.821
AREAVERT PAREA3	447319.720	3752139.410	447330.073	3752139.410
AREAVERT PAREA3	447335.250	3752136.821	447330.936	3752169.606
AREAVERT PAREA3	447335.250	3752210.155	447336.975	3752226.548
AREAVERT PAREA3	447349.054	3752234.313	447368.034	3752236.038
AREAVERT PAREA3	447411.172	3752239.489	447435.329	3752236.901
AREAVERT PAREA3	447469.839	3752236.901	447481.055	3752235.175
AREAVERT PAREA3	447507.800	3752235.175	447545.762	3752236.038
AREAVERT PAREA3	447562.154	3752236.901	447577.684	3752236.038
AREAVERT PAREA3	447595.801	3752233.450	447607.880	3752236.038
AREAVERT PAREA3	447628.586	3752237.764	447652.743	3752238.626
AREAVERT PAREA3	447659.645	3752238.626	447674.312	3752234.313
AREAVERT PAREA3	447684.665	3752232.587	447690.704	3752226.548
AREAVERT PAREA3	447696.744	3752219.646	447697.606	3752211.018
AREAVERT PAREA3	447697.606	3752195.489	447697.606	3752174.783
AREAVERT PAREA3	447695.881	3752072.978	447695.018	3752047.095
AREAVERT PAREA3	447701.057	3752045.369	447707.959	3752041.056
AREAVERT PAREA3	447710.548	3752036.742	447712.273	3752030.703
AREAVERT PAREA3	447717.450	3752033.291	447722.626	3752036.742
AREAVERT PAREA3	447742.470	3752036.742	447751.960	3752040.193
AREAVERT PAREA3	447770.078	3752039.330	447787.333	3752033.291
AREAVERT PAREA3	447790.784	3752025.526	447794.235	3752004.820

11794 Cons HRA

AREAVERT	PAREA3	447796.823	3751988.428	447797.686	3751962.545
AREAVERT	PAREA3	447791.647	3751950.466	447787.333	3751944.427
AREAVERT	PAREA3	447785.607	3751934.074	447785.607	3751929.760
AREAVERT	PAREA3	447789.921	3751923.721	447794.235	3751902.152
AREAVERT	PAREA3	447795.960	3751890.074	447795.098	3751874.544
AREAVERT	PAREA3	447795.098	3751851.250	447792.509	3751832.269
AREAVERT	PAREA3	447790.784	3751820.191	447787.333	3751812.426
AREAVERT	PAREA3	447786.470	3751804.661	447789.058	3751797.759
AREAVERT	PAREA3	447789.921	3751788.269	447789.921	3751775.327
AREAVERT	PAREA3	447794.235	3751771.014	447795.098	3751752.896
AREAVERT	PAREA3	447793.372	3751741.680	447791.647	3751726.150
AREAVERT	PAREA3	447789.921	3751715.797	447786.096	3751699.161
AREAVERT	PAREA3	447786.096	3751694.085	447790.156	3751690.025
AREAVERT	PAREA3	447790.156	3751679.874	447790.156	3751669.724
AREAVERT	PAREA3	447789.141	3751658.558	447789.141	3751650.437
AREAVERT	PAREA3	447785.081	3751640.286	447781.020	3751635.211
AREAVERT	PAREA3	447760.719	3751618.970	447713.010	3751593.593
AREAVERT	PAREA3	447663.271	3751579.382	447652.105	3751568.216
AREAVERT	PAREA3	447616.578	3751561.110	447606.427	3751554.005
AREAVERT	PAREA3	447584.095	3751551.975	447573.945	3751545.884
AREAVERT	PAREA3	447571.914	3751534.718	447558.718	3751518.477
AREAVERT	PAREA3	447556.688	3751512.387	447558.718	3751507.311
AREAVERT	PAREA3	447562.779	3751497.160	447563.299	3751480.973
AREAVERT	PAREA3	447560.757	3751470.803	447558.850	3751468.261
AREAVERT	PAREA3	447542.324	3751463.176	447482.574	3751458.091
AREAVERT	PAREA3	447443.801	3751458.726	447408.842	3751461.904
AREAVERT	PAREA3	447402.485	3751463.176	447397.400	3751463.811
AREAVERT	PAREA3	447392.315	3751464.447	447388.501	3751463.811
AREAVERT	PAREA3	447386.595	3751463.176	447379.603	3751460.633
AREAVERT	PAREA3	447373.882	3751459.362	447367.526	3751460.633
AREAVERT	PAREA3	447345.279	3751457.455	447335.109	3751458.091
AREAVERT	PAREA3	447323.667	3751459.362	447313.497	3751461.904
AREAVERT	PAREA3	447289.979	3751457.455	447255.655	3751452.370
AREAVERT	PAREA3	447244.849	3751453.641	447227.687	3751449.827
AREAVERT	PAREA3	447224.509	3751446.649	447215.611	3751447.285
AREAVERT	PAREA3	447210.526	3751448.556	447204.805	3751453.006
AREAVERT	PAREA3	447199.084	3751463.176	447197.177	3751474.617
AREAVERT	PAREA3	447195.270	3751486.694	447195.906	3751503.856
AREAVERT	PAREA3	447197.813	3751527.374	447200.355	3751540.722
AREAVERT	PAREA3	447193.999	3751716.791	447199.084	3751786.075
AREAVERT	PAREA3	447191.457	3751887.140	447198.070	3752232.528
AREAVERT	PAREA3	447207.041	3752237.013	447213.321	3752238.807
AREAVERT	PAREA3	447232.160	3752236.116	447236.646	3752228.939
AREAVERT	PAREA3	447238.440	3752209.203	447239.337	3752184.083
AREAVERT	PAREA3	447237.543	3752166.141		
SRCPARAM	PAREA4	3.7012E-09	5.000	135	1.400
AREAVERT	PAREA4	447238.188	3752140.490	447290.386	3752140.272
AREAVERT	PAREA4	447300.739	3752141.135	447315.406	3752136.821

11794 Cons HRA

AREAVERT PAREA4	447319.720	3752139.410	447330.073	3752139.410
AREAVERT PAREA4	447335.250	3752136.821	447330.936	3752169.606
AREAVERT PAREA4	447335.250	3752210.155	447336.975	3752226.548
AREAVERT PAREA4	447349.054	3752234.313	447368.034	3752236.038
AREAVERT PAREA4	447411.172	3752239.489	447435.329	3752236.901
AREAVERT PAREA4	447469.839	3752236.901	447481.055	3752235.175
AREAVERT PAREA4	447507.800	3752235.175	447545.762	3752236.038
AREAVERT PAREA4	447562.154	3752236.901	447577.684	3752236.038
AREAVERT PAREA4	447595.801	3752233.450	447607.880	3752236.038
AREAVERT PAREA4	447628.586	3752237.764	447652.743	3752238.626
AREAVERT PAREA4	447659.645	3752238.626	447674.312	3752234.313
AREAVERT PAREA4	447684.665	3752232.587	447690.704	3752226.548
AREAVERT PAREA4	447696.744	3752219.646	447697.606	3752211.018
AREAVERT PAREA4	447697.606	3752195.489	447697.606	3752174.783
AREAVERT PAREA4	447695.881	3752072.978	447695.018	3752047.095
AREAVERT PAREA4	447701.057	3752045.369	447707.959	3752041.056
AREAVERT PAREA4	447710.548	3752036.742	447712.273	3752030.703
AREAVERT PAREA4	447717.450	3752033.291	447722.626	3752036.742
AREAVERT PAREA4	447742.470	3752036.742	447751.960	3752040.193
AREAVERT PAREA4	447770.078	3752039.330	447787.333	3752033.291
AREAVERT PAREA4	447790.784	3752025.526	447794.235	3752004.820
AREAVERT PAREA4	447796.823	3751988.428	447797.686	3751962.545
AREAVERT PAREA4	447791.647	3751950.466	447787.333	3751944.427
AREAVERT PAREA4	447785.607	3751934.074	447785.607	3751929.760
AREAVERT PAREA4	447789.921	3751923.721	447794.235	3751902.152
AREAVERT PAREA4	447795.960	3751890.074	447795.098	3751874.544
AREAVERT PAREA4	447795.098	3751851.250	447792.509	3751832.269
AREAVERT PAREA4	447790.784	3751820.191	447787.333	3751812.426
AREAVERT PAREA4	447786.470	3751804.661	447789.058	3751797.759
AREAVERT PAREA4	447789.921	3751788.269	447789.921	3751775.327
AREAVERT PAREA4	447794.235	3751771.014	447795.098	3751752.896
AREAVERT PAREA4	447793.372	3751741.680	447791.647	3751726.150
AREAVERT PAREA4	447789.921	3751715.797	447786.096	3751699.161
AREAVERT PAREA4	447786.096	3751694.085	447790.156	3751690.025
AREAVERT PAREA4	447790.156	3751679.874	447790.156	3751669.724
AREAVERT PAREA4	447789.141	3751658.558	447789.141	3751650.437
AREAVERT PAREA4	447785.081	3751640.286	447781.020	3751635.211
AREAVERT PAREA4	447760.719	3751618.970	447713.010	3751593.593
AREAVERT PAREA4	447663.271	3751579.382	447652.105	3751568.216
AREAVERT PAREA4	447616.578	3751561.110	447606.427	3751554.005
AREAVERT PAREA4	447584.095	3751551.975	447573.945	3751545.884
AREAVERT PAREA4	447571.914	3751534.718	447558.718	3751518.477
AREAVERT PAREA4	447556.688	3751512.387	447558.718	3751507.311
AREAVERT PAREA4	447562.779	3751497.160	447563.299	3751480.973
AREAVERT PAREA4	447560.757	3751470.803	447558.850	3751468.261
AREAVERT PAREA4	447542.324	3751463.176	447482.574	3751458.091
AREAVERT PAREA4	447443.801	3751458.726	447408.842	3751461.904
AREAVERT PAREA4	447402.485	3751463.176	447397.400	3751463.811

11794 Cons HRA

AREAVERT	PAREA4	447392.315	3751464.447	447388.501	3751463.811
AREAVERT	PAREA4	447386.595	3751463.176	447379.603	3751460.633
AREAVERT	PAREA4	447373.882	3751459.362	447367.526	3751460.633
AREAVERT	PAREA4	447345.279	3751457.455	447335.109	3751458.091
AREAVERT	PAREA4	447323.667	3751459.362	447313.497	3751461.904
AREAVERT	PAREA4	447289.979	3751457.455	447255.655	3751452.370
AREAVERT	PAREA4	447244.849	3751453.641	447227.687	3751449.827
AREAVERT	PAREA4	447224.509	3751446.649	447215.611	3751447.285
AREAVERT	PAREA4	447210.526	3751448.556	447204.805	3751453.006
AREAVERT	PAREA4	447199.084	3751463.176	447197.177	3751474.617
AREAVERT	PAREA4	447195.270	3751486.694	447195.906	3751503.856
AREAVERT	PAREA4	447197.813	3751527.374	447200.355	3751540.722
AREAVERT	PAREA4	447193.999	3751716.791	447199.084	3751786.075
AREAVERT	PAREA4	447191.457	3751887.140	447198.070	3752232.528
AREAVERT	PAREA4	447207.041	3752237.013	447213.321	3752238.807
AREAVERT	PAREA4	447232.160	3752236.116	447236.646	3752228.939
AREAVERT	PAREA4	447238.440	3752209.203	447239.337	3752184.083
AREAVERT	PAREA4	447237.543	3752166.141		
SRCPARAM	PAREA5	1.578E-08	5.000	135	1.400
AREAVERT	PAREA5	447238.188	3752140.490	447290.386	3752140.272
AREAVERT	PAREA5	447300.739	3752141.135	447315.406	3752136.821
AREAVERT	PAREA5	447319.720	3752139.410	447330.073	3752139.410
AREAVERT	PAREA5	447335.250	3752136.821	447330.936	3752169.606
AREAVERT	PAREA5	447335.250	3752210.155	447336.975	3752226.548
AREAVERT	PAREA5	447349.054	3752234.313	447368.034	3752236.038
AREAVERT	PAREA5	447411.172	3752239.489	447435.329	3752236.901
AREAVERT	PAREA5	447469.839	3752236.901	447481.055	3752235.175
AREAVERT	PAREA5	447507.800	3752235.175	447545.762	3752236.038
AREAVERT	PAREA5	447562.154	3752236.901	447577.684	3752236.038
AREAVERT	PAREA5	447595.801	3752233.450	447607.880	3752236.038
AREAVERT	PAREA5	447628.586	3752237.764	447652.743	3752238.626
AREAVERT	PAREA5	447659.645	3752238.626	447674.312	3752234.313
AREAVERT	PAREA5	447684.665	3752232.587	447690.704	3752226.548
AREAVERT	PAREA5	447696.744	3752219.646	447697.606	3752211.018
AREAVERT	PAREA5	447697.606	3752195.489	447697.606	3752174.783
AREAVERT	PAREA5	447695.881	3752072.978	447695.018	3752047.095
AREAVERT	PAREA5	447701.057	3752045.369	447707.959	3752041.056
AREAVERT	PAREA5	447710.548	3752036.742	447712.273	3752030.703
AREAVERT	PAREA5	447717.450	3752033.291	447722.626	3752036.742
AREAVERT	PAREA5	447742.470	3752036.742	447751.960	3752040.193
AREAVERT	PAREA5	447770.078	3752039.330	447787.333	3752033.291
AREAVERT	PAREA5	447790.784	3752025.526	447794.235	3752004.820
AREAVERT	PAREA5	447796.823	3751988.428	447797.686	3751962.545
AREAVERT	PAREA5	447791.647	3751950.466	447787.333	3751944.427
AREAVERT	PAREA5	447785.607	3751934.074	447785.607	3751929.760
AREAVERT	PAREA5	447789.921	3751923.721	447794.235	3751902.152
AREAVERT	PAREA5	447795.960	3751890.074	447795.098	3751874.544
AREAVERT	PAREA5	447795.098	3751851.250	447792.509	3751832.269

11794 Cons HRA

AREAVERT	PAREA5	447790.784	3751820.191	447787.333	3751812.426
AREAVERT	PAREA5	447786.470	3751804.661	447789.058	3751797.759
AREAVERT	PAREA5	447789.921	3751788.269	447789.921	3751775.327
AREAVERT	PAREA5	447794.235	3751771.014	447795.098	3751752.896
AREAVERT	PAREA5	447793.372	3751741.680	447791.647	3751726.150
AREAVERT	PAREA5	447789.921	3751715.797	447786.096	3751699.161
AREAVERT	PAREA5	447786.096	3751694.085	447790.156	3751690.025
AREAVERT	PAREA5	447790.156	3751679.874	447790.156	3751669.724
AREAVERT	PAREA5	447789.141	3751658.558	447789.141	3751650.437
AREAVERT	PAREA5	447785.081	3751640.286	447781.020	3751635.211
AREAVERT	PAREA5	447760.719	3751618.970	447713.010	3751593.593
AREAVERT	PAREA5	447663.271	3751579.382	447652.105	3751568.216
AREAVERT	PAREA5	447616.578	3751561.110	447606.427	3751554.005
AREAVERT	PAREA5	447584.095	3751551.975	447573.945	3751545.884
AREAVERT	PAREA5	447571.914	3751534.718	447558.718	3751518.477
AREAVERT	PAREA5	447556.688	3751512.387	447558.718	3751507.311
AREAVERT	PAREA5	447562.779	3751497.160	447563.299	3751480.973
AREAVERT	PAREA5	447560.757	3751470.803	447558.850	3751468.261
AREAVERT	PAREA5	447542.324	3751463.176	447482.574	3751458.091
AREAVERT	PAREA5	447443.801	3751458.726	447408.842	3751461.904
AREAVERT	PAREA5	447402.485	3751463.176	447397.400	3751463.811
AREAVERT	PAREA5	447392.315	3751464.447	447388.501	3751463.811
AREAVERT	PAREA5	447386.595	3751463.176	447379.603	3751460.633
AREAVERT	PAREA5	447373.882	3751459.362	447367.526	3751460.633
AREAVERT	PAREA5	447345.279	3751457.455	447335.109	3751458.091
AREAVERT	PAREA5	447323.667	3751459.362	447313.497	3751461.904
AREAVERT	PAREA5	447289.979	3751457.455	447255.655	3751452.370
AREAVERT	PAREA5	447244.849	3751453.641	447227.687	3751449.827
AREAVERT	PAREA5	447224.509	3751446.649	447215.611	3751447.285
AREAVERT	PAREA5	447210.526	3751448.556	447204.805	3751453.006
AREAVERT	PAREA5	447199.084	3751463.176	447197.177	3751474.617
AREAVERT	PAREA5	447195.270	3751486.694	447195.906	3751503.856
AREAVERT	PAREA5	447197.813	3751527.374	447200.355	3751540.722
AREAVERT	PAREA5	447193.999	3751716.791	447199.084	3751786.075
AREAVERT	PAREA5	447191.457	3751887.140	447198.070	3752232.528
AREAVERT	PAREA5	447207.041	3752237.013	447213.321	3752238.807
AREAVERT	PAREA5	447232.160	3752236.116	447236.646	3752228.939
AREAVERT	PAREA5	447238.440	3752209.203	447239.337	3752184.083
AREAVERT	PAREA5	447237.543	3752166.141		
SRCPARAM	PAREA6	3.4227E-09	5.000	135	1.400
AREAVERT	PAREA6	447238.188	3752140.490	447290.386	3752140.272
AREAVERT	PAREA6	447300.739	3752141.135	447315.406	3752136.821
AREAVERT	PAREA6	447319.720	3752139.410	447330.073	3752139.410
AREAVERT	PAREA6	447335.250	3752136.821	447330.936	3752169.606
AREAVERT	PAREA6	447335.250	3752210.155	447336.975	3752226.548
AREAVERT	PAREA6	447349.054	3752234.313	447368.034	3752236.038
AREAVERT	PAREA6	447411.172	3752239.489	447435.329	3752236.901
AREAVERT	PAREA6	447469.839	3752236.901	447481.055	3752235.175

11794 Cons HRA

AREAVERT	PAREA6	447507.800	3752235.175	447545.762	3752236.038
AREAVERT	PAREA6	447562.154	3752236.901	447577.684	3752236.038
AREAVERT	PAREA6	447595.801	3752233.450	447607.880	3752236.038
AREAVERT	PAREA6	447628.586	3752237.764	447652.743	3752238.626
AREAVERT	PAREA6	447659.645	3752238.626	447674.312	3752234.313
AREAVERT	PAREA6	447684.665	3752232.587	447690.704	3752226.548
AREAVERT	PAREA6	447696.744	3752219.646	447697.606	3752211.018
AREAVERT	PAREA6	447697.606	3752195.489	447697.606	3752174.783
AREAVERT	PAREA6	447695.881	3752072.978	447695.018	3752047.095
AREAVERT	PAREA6	447701.057	3752045.369	447707.959	3752041.056
AREAVERT	PAREA6	447710.548	3752036.742	447712.273	3752030.703
AREAVERT	PAREA6	447717.450	3752033.291	447722.626	3752036.742
AREAVERT	PAREA6	447742.470	3752036.742	447751.960	3752040.193
AREAVERT	PAREA6	447770.078	3752039.330	447787.333	3752033.291
AREAVERT	PAREA6	447790.784	3752025.526	447794.235	3752004.820
AREAVERT	PAREA6	447796.823	3751988.428	447797.686	3751962.545
AREAVERT	PAREA6	447791.647	3751950.466	447787.333	3751944.427
AREAVERT	PAREA6	447785.607	3751934.074	447785.607	3751929.760
AREAVERT	PAREA6	447789.921	3751923.721	447794.235	3751902.152
AREAVERT	PAREA6	447795.960	3751890.074	447795.098	3751874.544
AREAVERT	PAREA6	447795.098	3751851.250	447792.509	3751832.269
AREAVERT	PAREA6	447790.784	3751820.191	447787.333	3751812.426
AREAVERT	PAREA6	447786.470	3751804.661	447789.058	3751797.759
AREAVERT	PAREA6	447789.921	3751788.269	447789.921	3751775.327
AREAVERT	PAREA6	447794.235	3751771.014	447795.098	3751752.896
AREAVERT	PAREA6	447793.372	3751741.680	447791.647	3751726.150
AREAVERT	PAREA6	447789.921	3751715.797	447786.096	3751699.161
AREAVERT	PAREA6	447786.096	3751694.085	447790.156	3751690.025
AREAVERT	PAREA6	447790.156	3751679.874	447790.156	3751669.724
AREAVERT	PAREA6	447789.141	3751658.558	447789.141	3751650.437
AREAVERT	PAREA6	447785.081	3751640.286	447781.020	3751635.211
AREAVERT	PAREA6	447760.719	3751618.970	447713.010	3751593.593
AREAVERT	PAREA6	447663.271	3751579.382	447652.105	3751568.216
AREAVERT	PAREA6	447616.578	3751561.110	447606.427	3751554.005
AREAVERT	PAREA6	447584.095	3751551.975	447573.945	3751545.884
AREAVERT	PAREA6	447571.914	3751534.718	447558.718	3751518.477
AREAVERT	PAREA6	447556.688	3751512.387	447558.718	3751507.311
AREAVERT	PAREA6	447562.779	3751497.160	447563.299	3751480.973
AREAVERT	PAREA6	447560.757	3751470.803	447558.850	3751468.261
AREAVERT	PAREA6	447542.324	3751463.176	447482.574	3751458.091
AREAVERT	PAREA6	447443.801	3751458.726	447408.842	3751461.904
AREAVERT	PAREA6	447402.485	3751463.176	447397.400	3751463.811
AREAVERT	PAREA6	447392.315	3751464.447	447388.501	3751463.811
AREAVERT	PAREA6	447386.595	3751463.176	447379.603	3751460.633
AREAVERT	PAREA6	447373.882	3751459.362	447367.526	3751460.633
AREAVERT	PAREA6	447345.279	3751457.455	447335.109	3751458.091
AREAVERT	PAREA6	447323.667	3751459.362	447313.497	3751461.904
AREAVERT	PAREA6	447289.979	3751457.455	447255.655	3751452.370

11794 Cons HRA

AREAVERT	PAREA6	447244.849	3751453.641	447227.687	3751449.827
AREAVERT	PAREA6	447224.509	3751446.649	447215.611	3751447.285
AREAVERT	PAREA6	447210.526	3751448.556	447204.805	3751453.006
AREAVERT	PAREA6	447199.084	3751463.176	447197.177	3751474.617
AREAVERT	PAREA6	447195.270	3751486.694	447195.906	3751503.856
AREAVERT	PAREA6	447197.813	3751527.374	447200.355	3751540.722
AREAVERT	PAREA6	447193.999	3751716.791	447199.084	3751786.075
AREAVERT	PAREA6	447191.457	3751887.140	447198.070	3752232.528
AREAVERT	PAREA6	447207.041	3752237.013	447213.321	3752238.807
AREAVERT	PAREA6	447232.160	3752236.116	447236.646	3752228.939
AREAVERT	PAREA6	447238.440	3752209.203	447239.337	3752184.083
AREAVERT	PAREA6	447237.543	3752166.141		
SRCPARAM	PAREA7	1.1892E-09	5.000	135	1.400
AREAVERT	PAREA7	447238.188	3752140.490	447290.386	3752140.272
AREAVERT	PAREA7	447300.739	3752141.135	447315.406	3752136.821
AREAVERT	PAREA7	447319.720	3752139.410	447330.073	3752139.410
AREAVERT	PAREA7	447335.250	3752136.821	447330.936	3752169.606
AREAVERT	PAREA7	447335.250	3752210.155	447336.975	3752226.548
AREAVERT	PAREA7	447349.054	3752234.313	447368.034	3752236.038
AREAVERT	PAREA7	447411.172	3752239.489	447435.329	3752236.901
AREAVERT	PAREA7	447469.839	3752236.901	447481.055	3752235.175
AREAVERT	PAREA7	447507.800	3752235.175	447545.762	3752236.038
AREAVERT	PAREA7	447562.154	3752236.901	447577.684	3752236.038
AREAVERT	PAREA7	447595.801	3752233.450	447607.880	3752236.038
AREAVERT	PAREA7	447628.586	3752237.764	447652.743	3752238.626
AREAVERT	PAREA7	447659.645	3752238.626	447674.312	3752234.313
AREAVERT	PAREA7	447684.665	3752232.587	447690.704	3752226.548
AREAVERT	PAREA7	447696.744	3752219.646	447697.606	3752211.018
AREAVERT	PAREA7	447697.606	3752195.489	447697.606	3752174.783
AREAVERT	PAREA7	447695.881	3752072.978	447695.018	3752047.095
AREAVERT	PAREA7	447701.057	3752045.369	447707.959	3752041.056
AREAVERT	PAREA7	447710.548	3752036.742	447712.273	3752030.703
AREAVERT	PAREA7	447717.450	3752033.291	447722.626	3752036.742
AREAVERT	PAREA7	447742.470	3752036.742	447751.960	3752040.193
AREAVERT	PAREA7	447770.078	3752039.330	447787.333	3752033.291
AREAVERT	PAREA7	447790.784	3752025.526	447794.235	3752004.820
AREAVERT	PAREA7	447796.823	3751988.428	447797.686	3751962.545
AREAVERT	PAREA7	447791.647	3751950.466	447787.333	3751944.427
AREAVERT	PAREA7	447785.607	3751934.074	447785.607	3751929.760
AREAVERT	PAREA7	447789.921	3751923.721	447794.235	3751902.152
AREAVERT	PAREA7	447795.960	3751890.074	447795.098	3751874.544
AREAVERT	PAREA7	447795.098	3751851.250	447792.509	3751832.269
AREAVERT	PAREA7	447790.784	3751820.191	447787.333	3751812.426
AREAVERT	PAREA7	447786.470	3751804.661	447789.058	3751797.759
AREAVERT	PAREA7	447789.921	3751788.269	447789.921	3751775.327
AREAVERT	PAREA7	447794.235	3751771.014	447795.098	3751752.896
AREAVERT	PAREA7	447793.372	3751741.680	447791.647	3751726.150
AREAVERT	PAREA7	447789.921	3751715.797	447786.096	3751699.161

11794 Cons HRA

AREAVERT	PAREA7	447786.096	3751694.085	447790.156	3751690.025
AREAVERT	PAREA7	447790.156	3751679.874	447790.156	3751669.724
AREAVERT	PAREA7	447789.141	3751658.558	447789.141	3751650.437
AREAVERT	PAREA7	447785.081	3751640.286	447781.020	3751635.211
AREAVERT	PAREA7	447760.719	3751618.970	447713.010	3751593.593
AREAVERT	PAREA7	447663.271	3751579.382	447652.105	3751568.216
AREAVERT	PAREA7	447616.578	3751561.110	447606.427	3751554.005
AREAVERT	PAREA7	447584.095	3751551.975	447573.945	3751545.884
AREAVERT	PAREA7	447571.914	3751534.718	447558.718	3751518.477
AREAVERT	PAREA7	447556.688	3751512.387	447558.718	3751507.311
AREAVERT	PAREA7	447562.779	3751497.160	447563.299	3751480.973
AREAVERT	PAREA7	447560.757	3751470.803	447558.850	3751468.261
AREAVERT	PAREA7	447542.324	3751463.176	447482.574	3751458.091
AREAVERT	PAREA7	447443.801	3751458.726	447408.842	3751461.904
AREAVERT	PAREA7	447402.485	3751463.176	447397.400	3751463.811
AREAVERT	PAREA7	447392.315	3751464.447	447388.501	3751463.811
AREAVERT	PAREA7	447386.595	3751463.176	447379.603	3751460.633
AREAVERT	PAREA7	447373.882	3751459.362	447367.526	3751460.633
AREAVERT	PAREA7	447345.279	3751457.455	447335.109	3751458.091
AREAVERT	PAREA7	447323.667	3751459.362	447313.497	3751461.904
AREAVERT	PAREA7	447289.979	3751457.455	447255.655	3751452.370
AREAVERT	PAREA7	447244.849	3751453.641	447227.687	3751449.827
AREAVERT	PAREA7	447224.509	3751446.649	447215.611	3751447.285
AREAVERT	PAREA7	447210.526	3751448.556	447204.805	3751453.006
AREAVERT	PAREA7	447199.084	3751463.176	447197.177	3751474.617
AREAVERT	PAREA7	447195.270	3751486.694	447195.906	3751503.856
AREAVERT	PAREA7	447197.813	3751527.374	447200.355	3751540.722
AREAVERT	PAREA7	447193.999	3751716.791	447199.084	3751786.075
AREAVERT	PAREA7	447191.457	3751887.140	447198.070	3752232.528
AREAVERT	PAREA7	447207.041	3752237.013	447213.321	3752238.807
AREAVERT	PAREA7	447232.160	3752236.116	447236.646	3752228.939
AREAVERT	PAREA7	447238.440	3752209.203	447239.337	3752184.083
AREAVERT	PAREA7	447237.543	3752166.141		
SRCPARAM	PAREA2	6.0122E-08	5.000	32	1.400
AREAVERT	PAREA2	447422.425	3751406.113	447538.322	3751248.439
AREAVERT	PAREA2	447544.386	3751242.375	447550.451	3751226.203
AREAVERT	PAREA2	447568.644	3751205.989	447576.730	3751196.555
AREAVERT	PAREA2	447589.532	3751196.555	447596.270	3751205.315
AREAVERT	PAREA2	447598.292	3751212.727	447592.901	3751228.899
AREAVERT	PAREA2	447584.142	3751247.092	447578.077	3751257.199
AREAVERT	PAREA2	447575.382	3751259.894	447579.425	3751279.435
AREAVERT	PAREA2	447574.708	3751296.954	447570.665	3751309.083
AREAVERT	PAREA2	447562.579	3751323.233	447548.429	3751334.688
AREAVERT	PAREA2	447541.691	3751351.534	447526.867	3751379.834
AREAVERT	PAREA2	447524.172	3751390.615	447522.824	3751401.396
AREAVERT	PAREA2	447521.476	3751408.808	447516.086	3751415.547
AREAVERT	PAREA2	447504.631	3751419.589	447491.828	3751421.611
AREAVERT	PAREA2	447472.961	3751422.959	447459.485	3751422.285

11794 Cons HRA

AREAVERT	PAREA2	447446.009	3751418.242	447433.880	3751418.242
AREAVERT	PAREA2	447429.837	3751419.589	447423.773	3751414.873
URBANSRC	ALL				

** VARIABLE EMISSIONS TYPE: "BY HOUR-OF-DAY (HROFDY)"

** VARIABLE EMISSION SCENARIO: "CONST"

EMISFACT	PAREA1	HROFDY	0.0	0.0	0.0	0.0	0.0	0.0
EMISFACT	PAREA1	HROFDY	0.0	1.0	1.0	1.0	1.0	1.0
EMISFACT	PAREA1	HROFDY	1.0	1.0	1.0	0.0	0.0	0.0
EMISFACT	PAREA1	HROFDY	0.0	0.0	0.0	0.0	0.0	0.0
EMISFACT	PAREA2	HROFDY	0.0	0.0	0.0	0.0	0.0	0.0
EMISFACT	PAREA2	HROFDY	0.0	1.0	1.0	1.0	1.0	1.0
EMISFACT	PAREA2	HROFDY	1.0	1.0	1.0	0.0	0.0	0.0
EMISFACT	PAREA2	HROFDY	0.0	0.0	0.0	0.0	0.0	0.0
EMISFACT	PAREA3	HROFDY	0.0	0.0	0.0	0.0	0.0	0.0
EMISFACT	PAREA3	HROFDY	0.0	1.0	1.0	1.0	1.0	1.0
EMISFACT	PAREA3	HROFDY	1.0	1.0	1.0	0.0	0.0	0.0
EMISFACT	PAREA3	HROFDY	0.0	0.0	0.0	0.0	0.0	0.0
EMISFACT	PAREA4	HROFDY	0.0	0.0	0.0	0.0	0.0	0.0
EMISFACT	PAREA4	HROFDY	0.0	1.0	1.0	1.0	1.0	1.0
EMISFACT	PAREA4	HROFDY	1.0	1.0	1.0	0.0	0.0	0.0
EMISFACT	PAREA4	HROFDY	0.0	0.0	0.0	0.0	0.0	0.0
EMISFACT	PAREA5	HROFDY	0.0	0.0	0.0	0.0	0.0	0.0
EMISFACT	PAREA5	HROFDY	0.0	1.0	1.0	1.0	1.0	1.0
EMISFACT	PAREA5	HROFDY	1.0	1.0	1.0	0.0	0.0	0.0
EMISFACT	PAREA5	HROFDY	0.0	0.0	0.0	0.0	0.0	0.0
EMISFACT	PAREA6	HROFDY	0.0	0.0	0.0	0.0	0.0	0.0
EMISFACT	PAREA6	HROFDY	0.0	1.0	1.0	1.0	1.0	1.0
EMISFACT	PAREA6	HROFDY	1.0	1.0	1.0	0.0	0.0	0.0
EMISFACT	PAREA6	HROFDY	0.0	0.0	0.0	0.0	0.0	0.0
EMISFACT	PAREA7	HROFDY	0.0	0.0	0.0	0.0	0.0	0.0
EMISFACT	PAREA7	HROFDY	0.0	1.0	1.0	1.0	1.0	1.0
EMISFACT	PAREA7	HROFDY	1.0	1.0	1.0	0.0	0.0	0.0
EMISFACT	PAREA7	HROFDY	0.0	0.0	0.0	0.0	0.0	0.0

SRCGROUP	DEMO	PAREA1
SRCGROUP	SITEPREP	PAREA3
SRCGROUP	GRADING	PAREA4 PAREA2
SRCGROUP	BUILDING	PAREA5
SRCGROUP	PAINTING	PAREA6
SRCGROUP	PAVING	PAREA7
SRCGROUP	ALL	

SO FINISHED

**

** AERMOD RECEPTOR PATHWAY

**

**

11794 Cons HRA

RE STARTING
INCLUDED "11794 CONS HRA.ROU"
RE FINISHED

**

** AERMOD METEOROLOGY PATHWAY

**

**

ME STARTING
SURFFILE KRAL_V9_ADJU\KRAL_V9.SFC
PROFFILE KRAL_V9_ADJU\KRAL_V9.PFL
SURFDATA 3171 2012
UAIRDATA 3190 2012
PROFBASE 245.0 METERS

ME FINISHED

**

** AERMOD OUTPUT PATHWAY

**

**

OU STARTING

** AUTO-GENERATED PLOTFILES

PLOTFILE ANNUAL ALL "11794 CONS HRA.AD\AN00GALL.PLT" 31
PLOTFILE ANNUAL DEMO "11794 CONS HRA.AD\AN00G001.PLT" 32
PLOTFILE ANNUAL SITEPREP "11794 CONS HRA.AD\AN00G002.PLT" 33
PLOTFILE ANNUAL GRADING "11794 CONS HRA.AD\AN00G003.PLT" 34
PLOTFILE ANNUAL BUILDING "11794 CONS HRA.AD\AN00G004.PLT" 35
PLOTFILE ANNUAL PAINTING "11794 CONS HRA.AD\AN00G005.PLT" 36
PLOTFILE ANNUAL PAVING "11794 CONS HRA.AD\AN00G006.PLT" 37
SUMMFILE "11794 CONS HRA.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 ***

11794 Cons HRA

***** WARNING MESSAGES *****

ME W186 543 MEOPEN: THRESH_1MIN 1-min ASOS wind speed threshold used
0.50
ME W187 543 MEOPEN: ADJ_U* Option for Low Winds used in AERMET

*** SETUP Finishes Successfully ***

▲ *** AERMOD - VERSION 16216r *** *** C:\LAKES\AERMOD VIEW\11794 CONS HRA\11794
CONS HRA.ISC *** 08/01/19
*** AERMET - VERSION 16216 *** ***
*** 14:00:07

PAGE 1

*** MODELOPTs: RegDFault CONC ELEV URBAN ADJ_U*

*** MODEL SETUP OPTIONS SUMMARY

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

-- DEPOSITION LOGIC --

**NO GAS DEPOSITION Data Provided.

**NO PARTICLE DEPOSITION Data Provided.

**Model Uses NO DRY DEPLETION. DRYDPLT = F

**Model Uses NO WET DEPLETION. WETDPLT = F

**Model Uses URBAN Dispersion Algorithm for the SBL for 7 Source(s),
for Total of 1 Urban Area(s):
Urban Population = 2189641.0 ; Urban Roughness Length = 1.000 m

**Model Uses Regulatory DEFAULT Options:

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

**Other Options Specified:

ADJ_U* - Use ADJ_U* BETA option for SBL in AERMET
CCVR_Sub - Meteorological data includes CCVR substitutions
TEMP_Sub - Meteorological data includes TEMP substitutions

11794 Cons HRA

**Model Assumes No FLAGPOLE Receptor Heights.

**The User Specified a Pollutant Type of: DPM

**Model Calculates ANNUAL Averages Only

**This Run Includes: 7 Source(s); 7 Source Group(s); and 60 Receptor(s)

with: 0 POINT(s), including
0 POINTCAP(s) and 0 POINTHOR(s)
and: 0 VOLUME source(s)
and: 7 AREA type source(s)
and: 0 LINE source(s)
and: 0 OPENPIT source(s)
and: 0 BUOYANT LINE source(s) with 0 line(s)

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

**The AERMET Input Meteorological Data Version Date: 16216

**Output Options Selected:

Model Outputs Tables of ANNUAL Averages by Receptor
Model Outputs External File(s) of High Values for Plotting (PLOTFILE
Keyword)
Model Outputs Separate Summary File of High Ranked Values (SUMMFILE
Keyword)

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

**Misc. Inputs: Base Elev. for Pot. Temp. Profile (m MSL) = 245.00 ; Decay
Coef. = 0.000 ; Rot. Angle = 0.0
Emission Units = GRAMS/SEC ;
Emission Rate Unit Factor = 0.10000E+07
Output Units = MICROGRAMS/M**3

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

**Detailed Error/Message File: 11794 CONS HRA.ERR

**File for Summary of Results: 11794 CONS HRA.SUM

▲ *** AERMOD - VERSION 16216r *** *** C:\LAKES\AERMOD VIEW\11794 CONS HRA\11794

11794 Cons HRA
 CONS HRA.ISC *** 08/01/19
 *** AERMET - VERSION 16216 ***
 *** 14:00:07

PAGE 2
 *** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

*** AREAPOLY SOURCE DATA ***

INIT.	URBAN	NUMBER EMISSION RATE	LOCATION OF AREA	BASE	RELEASE	NUMBER
SOURCE		EMISSION RATE				
SZ	SOURCE	PART. (GRAMS/SEC	X	Y	ELEV.	HEIGHT OF VERTS.
ID		SCALAR VARY				
(METERS)		CATS. /METER**2)	(METERS)	(METERS)	(METERS)	(METERS)
		BY				
PAREA1		0 0.10133E-08	447238.2	3752140.5	180.0	135
1.40	YES	HROFDY				
PAREA3		0 0.39075E-09	447238.2	3752140.5	180.0	135
1.40	YES	HROFDY				
PAREA4		0 0.37012E-08	447238.2	3752140.5	180.0	135
1.40	YES	HROFDY				
PAREA5		0 0.15780E-07	447238.2	3752140.5	180.0	135
1.40	YES	HROFDY				
PAREA6		0 0.34227E-08	447238.2	3752140.5	180.0	135
1.40	YES	HROFDY				
PAREA7		0 0.11892E-08	447238.2	3752140.5	180.0	135
1.40	YES	HROFDY				
PAREA2		0 0.60122E-07	447422.4	3751406.1	179.9	32
1.40	YES	HROFDY				

▲ *** AERMOD - VERSION 16216r *** C:\LAKES\AERMOD VIEW\11794 CONS HRA\11794
 CONS HRA.ISC *** 08/01/19
 *** AERMET - VERSION 16216 ***
 *** 14:00:07

PAGE 3
 *** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

*** SOURCE IDs DEFINING SOURCE GROUPS

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

11794 Cons HRA

DEMO PAREA1 ,

SITEPREP PAREA3 ,

GRADING PAREA4 , PAREA2 ,

BUILDING PAREA5 ,

PAINTING PAREA6 ,

PAVING PAREA7 ,

ALL PAREA1 , PAREA3 , PAREA4 , PAREA5 , PAREA6 ,
PAREA7 , PAREA2 ,

▲ *** AERMOD - VERSION 16216r *** *** C:\LAKES\AERMOD VIEW\11794 CONS HRA\11794
CONS HRA.ISC *** 08/01/19

*** AERMET - VERSION 16216 *** ***
*** 14:00:07

PAGE 4

*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

*** SOURCE IDs DEFINED AS URBAN SOURCES

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

2189641.	PAREA1	, PAREA3	, PAREA4	, PAREA5	,
PAREA6	, PAREA7	, PAREA2	,		

▲ *** AERMOD - VERSION 16216r *** *** C:\LAKES\AERMOD VIEW\11794 CONS HRA\11794
CONS HRA.ISC *** 08/01/19

*** AERMET - VERSION 16216 *** ***
*** 14:00:07

PAGE 5

*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

* SOURCE EMISSION RATE SCALARS WHICH VARY FOR EACH HOUR

OF THE DAY *

HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR
HOUR	SCALAR	HOUR	SCALAR				

11794 Cons HRA

SOURCE ID = PAREA1 ; SOURCE TYPE = AREAPOLY :

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				

SOURCE ID = PAREA3 ; SOURCE TYPE = AREAPOLY :

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				

SOURCE ID = PAREA4 ; SOURCE TYPE = AREAPOLY :

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				

SOURCE ID = PAREA5 ; SOURCE TYPE = AREAPOLY :

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				

SOURCE ID = PAREA6 ; SOURCE TYPE = AREAPOLY :

1	.00000E+00	2	.00000E+00	3	.00000E+00	4	.00000E+00
---	------------	---	------------	---	------------	---	------------

11794 Cons HRA

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 16216r *** *** C:\LAKES\AERMOD VIEW\11794 CONS HRA\11794
 CONS HRA.ISC *** 08/01/19
 *** AERMET - VERSION 16216 *** ***
 *** 14:00:07

PAGE 6

*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

* SOURCE EMISSION RATE SCALARS WHICH VARY FOR EACH HOUR
 OF THE DAY *

HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR
-----	-----	-----	-----	-----	-----	-----	-----
-----	-----	-----	-----	-----	-----	-----	-----

SOURCE ID = PAREA7 ; SOURCE TYPE = AREAPOLY :

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				

SOURCE ID = PAREA2 ; SOURCE TYPE = AREAPOLY :

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 16216r *** *** C:\LAKES\AERMOD VIEW\11794 CONS HRA\11794
 CONS HRA.ISC *** 08/01/19

*** AERMET - VERSION 16216 ***

14:00:07

PAGE 7

*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

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

(447664.1, 3751546.4, 183.0, 183.0, 0.0);	(447611.0,
3751476.5, 184.1, 184.1, 0.0);	
(447547.5, 3751422.9, 182.8, 182.8, 0.0);	(447517.7,
3751426.9, 181.9, 181.9, 0.0);	
(447274.7, 3751416.7, 177.0, 177.0, 0.0);	(447163.1,
3751616.3, 178.9, 178.9, 0.0);	
(447161.8, 3751676.9, 179.0, 179.0, 0.0);	(447158.3,
3751816.0, 180.0, 180.0, 0.0);	
(447146.6, 3751838.8, 180.0, 180.0, 0.0);	(447149.2,
3751912.7, 181.0, 181.0, 0.0);	
(447157.1, 3751995.3, 181.0, 181.0, 0.0);	(447150.2,
3752041.6, 180.3, 180.3, 0.0);	
(447159.2, 3752153.4, 180.0, 180.0, 0.0);	(447148.7,
3752068.6, 180.4, 180.4, 0.0);	
(447249.1, 3752277.0, 179.0, 179.0, 0.0);	(447203.4,
3752283.5, 179.0, 179.0, 0.0);	
(447475.1, 3752281.7, 179.0, 179.0, 0.0);	(447375.5,
3752277.6, 179.0, 179.0, 0.0);	
(447528.3, 3752285.2, 179.6, 179.6, 0.0);	(447637.2,
3752293.4, 180.0, 180.0, 0.0);	
(447722.7, 3752284.0, 180.9, 180.9, 0.0);	(447311.8,
3752175.9, 179.0, 179.0, 0.0);	
(447315.4, 3752233.2, 179.0, 179.0, 0.0);	(447294.1,
3752229.0, 179.0, 179.0, 0.0);	
(447263.7, 3752236.0, 179.0, 179.0, 0.0);	(447262.0,
3752198.3, 179.0, 179.0, 0.0);	
(447288.8, 3752175.5, 179.0, 179.0, 0.0);	(446878.4,
3751753.8, 184.6, 184.6, 0.0);	
(446688.8, 3751586.9, 181.0, 181.0, 0.0);	(446676.2,
3751872.6, 181.1, 181.1, 0.0);	
(446787.4, 3751854.9, 182.6, 182.6, 0.0);	(446880.9,
3751680.5, 181.5, 181.5, 0.0);	
(446572.5, 3751827.1, 182.2, 182.2, 0.0);	(449130.7,
3751935.8, 198.0, 429.0, 0.0);	
(449226.8, 3751993.9, 199.0, 429.0, 0.0);	(447392.2,
3751371.3, 179.7, 179.7, 0.0);	
(447143.0, 3751525.2, 178.2, 178.2, 0.0);	(447230.7,
3751408.0, 177.2, 177.2, 0.0);	

		11794 Cons HRA			
(447632.3,	3751407.7,	183.9,	183.9,	0.0);	(447660.6,
3751407.0,	184.2,	184.2,	0.0);		
(447485.2,	3751302.8,	180.9,	180.9,	0.0);	(447807.9,
3751454.6,	189.2,	189.2,	0.0);		
(447886.5,	3751459.8,	193.2,	193.2,	0.0);	(447617.8,
3751536.4,	183.3,	183.3,	0.0);		
(447158.9,	3752236.2,	180.0,	180.0,	0.0);	(447156.3,
3752192.8,	180.0,	180.0,	0.0);		
(447162.7,	3752133.9,	180.0,	180.0,	0.0);	(447695.6,
3751556.7,	183.0,	183.0,	0.0);		
(447719.5,	3751563.8,	183.7,	183.7,	0.0);	(447743.4,
3751574.4,	184.0,	184.0,	0.0);		
(447765.6,	3751581.5,	184.0,	184.0,	0.0);	(447669.1,
3751471.7,	185.0,	185.0,	0.0);		
(447693.0,	3751477.0,	185.2,	185.2,	0.0);	(447719.5,
3751478.8,	185.8,	185.8,	0.0);		
(447743.4,	3751481.5,	186.5,	186.5,	0.0);	(447767.3,
3751493.8,	187.5,	187.5,	0.0);		
(447790.3,	3751588.5,	184.2,	184.2,	0.0);	(447790.3,
3751475.3,	188.7,	188.7,	0.0);		
(449354.4,	3752413.4,	198.0,	434.0,	0.0);	(447430.1,
3751365.9,	181.0,	181.0,	0.0);		

*** MODELOPTs: RegDFAULT CONC PAGE 8 ELEV URBAN ADJ U*

PROCESSING ***

[illegible]

11794 Cons HRA
1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1

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

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

1.54, 3.09, 5.14, 8.23,
10.80,
▲ *** AERMOD - VERSION 16216r *** *** C:\LAKES\AERMOD VIEW\11794 CONS HRA\11794
CONS HRA.ISC *** 08/01/19
*** AERMET - VERSION 16216 *** ***
*** 14:00:07

PAGE 9
*** MODELOPTs: RegDFault CONC ELEV URBAN ADJ_U*

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

Surface file: KRAL_V9_ADJU\KRAL_V9.SFC
Met Version: 16216
Profile file: KRAL_V9_ADJU\KRAL_V9.PFL

Surface format: FREE

Profile format: FREE

Surface station no.: 3171 Upper air station no.: 3190
Name: UNKNOWN Name: UNKNOWN
Year: 2012 Year: 2012

First 24 hours of scalar data
YR MO DY JDY HR H0 U* W* DT/DZ ZICNV ZIMCH M-O LEN Z0 BOWEN
ALBEDO REF WS WD HT REF TA HT

12 01 01 1 01 -25.6 0.266 -9.000 -9.000 -999. 330. 77.9 0.15 2.40
1.00 2.93 55. 10.1 288.1 2.0
12 01 01 1 02 -26.8 0.277 -9.000 -9.000 -999. 351. 84.7 0.15 2.40
1.00 3.05 55. 10.1 287.0 2.0
12 01 01 1 03 -21.5 0.221 -9.000 -9.000 -999. 250. 53.5 0.15 2.40
1.00 2.45 74. 10.1 284.2 2.0

11794 Cons HRA

12	01	01	1	04	-22.0	0.227	-9.000	-9.000	-999.	260.	56.8	0.15	2.40
1.00		2.52	77.	10.1	285.9	2.0							
12	01	01	1	05	-20.0	0.206	-9.000	-9.000	-999.	225.	46.8	0.15	2.40
1.00		2.30	80.	10.1	285.4	2.0							
12	01	01	1	06	-14.4	0.171	-9.000	-9.000	-999.	170.	32.1	0.15	2.40
1.00		1.93	79.	10.1	287.0	2.0							
12	01	01	1	07	-14.9	0.174	-9.000	-9.000	-999.	174.	33.2	0.15	2.40
1.00		1.96	77.	10.1	284.2	2.0							
12	01	01	1	08	-11.9	0.169	-9.000	-9.000	-999.	167.	36.1	0.15	2.40
0.53		1.89	77.	10.1	288.1	2.0							
12	01	01	1	09	40.4	0.234	0.359	0.006	40.	272.	-28.1	0.15	2.40
0.31		2.10	81.	10.1	289.2	2.0							
12	01	01	1	10	112.6	0.246	0.742	0.005	129.	293.	-11.8	0.15	2.40
0.24		1.99	101.	10.1	296.4	2.0							
12	01	01	1	11	161.0	0.402	1.188	0.005	369.	611.	-35.6	0.15	2.40
0.21		3.68	78.	10.1	298.8	2.0							
12	01	01	1	12	184.7	0.337	1.516	0.005	668.	473.	-18.4	0.15	2.40
0.20		2.89	68.	10.1	300.4	2.0							
12	01	01	1	13	183.9	0.310	1.809	0.005	1139.	414.	-14.2	0.15	2.40
0.20		2.57	64.	10.1	302.5	2.0							
12	01	01	1	14	156.6	0.374	1.852	0.005	1434.	549.	-29.5	0.15	2.40
0.22		3.37	63.	10.1	303.1	2.0							
12	01	01	1	15	104.3	0.382	1.658	0.005	1546.	567.	-47.2	0.15	2.40
0.25		3.59	62.	10.1	302.5	2.0							
12	01	01	1	16	31.8	0.374	1.123	0.005	1573.	550.	-145.8	0.15	2.40
0.34		3.76	69.	10.1	300.9	2.0							
12	01	01	1	17	-23.3	0.276	-9.000	-9.000	-999.	354.	84.0	0.15	2.40
0.62		3.03	59.	10.1	297.5	2.0							
12	01	01	1	18	-21.5	0.229	-9.000	-9.000	-999.	264.	57.8	0.15	2.40
1.00		2.54	54.	10.1	295.4	2.0							
12	01	01	1	19	-19.3	0.204	-9.000	-9.000	-999.	221.	45.6	0.15	2.40
1.00		2.27	79.	10.1	292.0	2.0							
12	01	01	1	20	-20.7	0.218	-9.000	-9.000	-999.	244.	52.2	0.15	2.40
1.00		2.42	79.	10.1	292.5	2.0							
12	01	01	1	21	-19.7	0.206	-9.000	-9.000	-999.	225.	46.9	0.15	2.40
1.00		2.30	95.	10.1	290.9	2.0							
12	01	01	1	22	-17.6	0.190	-9.000	-9.000	-999.	199.	39.8	0.15	2.40
1.00		2.13	78.	10.1	290.4	2.0							
12	01	01	1	23	-20.3	0.211	-9.000	-9.000	-999.	233.	49.0	0.15	2.40
1.00		2.35	52.	10.1	289.2	2.0							
12	01	01	1	24	-16.4	0.183	-9.000	-9.000	-999.	189.	37.0	0.15	2.40
1.00		2.06	75.	10.1	288.8	2.0							

First hour of profile data

YR	MO	DY	HR	HEIGHT	F	WDIR	WSPD	AMB_TMP	sigmaA	sigmaW	sigmaV
12	01	01	01	10.1	1	55.	2.93	288.2	99.0	-99.00	-99.00

11794 Cons HRA

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

*** AERMOD - VERSION 16216r *** C:\LAKES\AERMOD VIEW\11794 CONS HRA\11794
 CONS HRA.ISC *** 08/01/19
 *** AERMET - VERSION 16216 ***
 *** 14:00:07

PAGE 10

*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

*** THE ANNUAL AVERAGE CONCENTRATION VALUES AVERAGED OVER 5
 YEARS FOR SOURCE GROUP: DEMO ***
 INCLUDING SOURCE(S): PAREA1 ,

*** DISCRETE CARTESIAN RECEPTOR POINTS

		** CONC OF DPM	IN MICROGRAMS/M**3
		**	
X-COORD (M)	Y-COORD (M)	CONC	X-COORD (M)
Y-COORD (M)	CONC		

447664.06	3751546.40	0.00074	447611.00
3751476.55	0.00054		
447547.52	3751422.88	0.00034	447517.67
3751426.86	0.00042		
447274.69	3751416.66	0.00039	447163.14
3751616.34	0.00051		
447161.77	3751676.93	0.00051	447158.32
3751816.02	0.00049		
447146.62	3751838.75	0.00044	447149.18
3751912.73	0.00043		
447157.15	3751995.32	0.00043	447150.18
3752041.60	0.00036		
447159.23	3752153.43	0.00027	447148.74
3752068.59	0.00033		
447249.09	3752277.03	0.00013	447203.43
3752283.47	0.00010		
447475.06	3752281.71	0.00024	447375.54
3752277.61	0.00019		
447528.33	3752285.22	0.00023	447637.21
3752293.42	0.00020		
447722.68	3752284.05	0.00020	447311.85
3752175.89	0.00061		
447315.38	3752233.19	0.00030	447294.07
3752229.03	0.00031		
447263.68	3752236.04	0.00031	447262.02

11794 Cons HRA

3752198.34	0.00053		
447288.78	3752175.50	0.00056	446878.40
3751753.77	0.00012		
446688.81	3751586.93	0.00008	446676.17
3751872.58	0.00006		
446787.39	3751854.88	0.00008	446880.92
3751680.46	0.00013		
446572.53	3751827.08	0.00005	449130.71
3751935.77	0.00003		
449226.77	3751993.91	0.00003	447392.16
3751371.26	0.00023		
447142.97	3751525.24	0.00039	447230.70
3751407.96	0.00032		
447632.29	3751407.66	0.00021	447660.56
3751407.03	0.00019		
447485.22	3751302.85	0.00010	447807.93
3751454.63	0.00016		
447886.54	3751459.77	0.00014	447617.77
3751536.45	0.00089		
447158.87	3752236.24	0.00013	447156.31
3752192.77	0.00020		
447162.71	3752133.95	0.00031	447695.65
3751556.68	0.00070		
447719.54	3751563.76	0.00064	447743.43
3751574.38	0.00063		
447765.56	3751581.46	0.00059	447669.10
3751471.73	0.00033		
447692.99	3751477.04	0.00030	447719.54
3751478.81	0.00027		
447743.43	3751481.46	0.00025	447767.33
3751493.85	0.00024		
447790.33	3751588.54	0.00054	447790.33
3751475.27	0.00020		
449354.44	3752413.43	0.00002	447430.14
3751365.89	0.00020		

*** AERMOD - VERSION 16216r ***
 CONS HRA.ISC
 *** AERMET - VERSION 16216 ***

 *** C:\LAKES\AERMOD VIEW\11794 CONS HRA\11794
 08/01/19
 14:00:07

PAGE 11

*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

*** THE ANNUAL AVERAGE CONCENTRATION VALUES AVERAGED OVER 5
 YEARS FOR SOURCE GROUP: SITEPREP ***
 INCLUDING SOURCE(S): PAREA3 ,

*** DISCRETE CARTESIAN RECEPTOR POINTS

11794 Cons HRA

		** CONC OF DPM	IN MICROGRAMS/M**3
**			
X-COORD (M)	Y-COORD (M)	CONC	X-COORD (M)
Y-COORD (M)	CONC		
447664.06	3751546.40	0.00029	447611.00
3751476.55	0.00021		
447547.52	3751422.88	0.00013	447517.67
3751426.86	0.00016		
447274.69	3751416.66	0.00015	447163.14
3751616.34	0.00020		
447161.77	3751676.93	0.00020	447158.32
3751816.02	0.00019		
447146.62	3751838.75	0.00017	447149.18
3751912.73	0.00017		
447157.15	3751995.32	0.00017	447150.18
3752041.60	0.00014		
447159.23	3752153.43	0.00010	447148.74
3752068.59	0.00013		
447249.09	3752277.03	0.00005	447203.43
3752283.47	0.00004		
447475.06	3752281.71	0.00009	447375.54
3752277.61	0.00007		
447528.33	3752285.22	0.00009	447637.21
3752293.42	0.00008		
447722.68	3752284.05	0.00008	447311.85
3752175.89	0.00023		
447315.38	3752233.19	0.00012	447294.07
3752229.03	0.00012		
447263.68	3752236.04	0.00012	447262.02
3752198.34	0.00021		
447288.78	3752175.50	0.00021	446878.40
3751753.77	0.00005		
446688.81	3751586.93	0.00003	446676.17
3751872.58	0.00002		
446787.39	3751854.88	0.00003	446880.92
3751680.46	0.00005		
446572.53	3751827.08	0.00002	449130.71
3751935.77	0.00001		
449226.77	3751993.91	0.00001	447392.16
3751371.26	0.00009		
447142.97	3751525.24	0.00015	447230.70
3751407.96	0.00013		
447632.29	3751407.66	0.00008	447660.56

11794 Cons HRA

3751407.03	0.00007		
447485.22	3751302.85	0.00004	447807.93
3751454.63	0.00006		
447886.54	3751459.77	0.00005	447617.77
3751536.45	0.00034		
447158.87	3752236.24	0.00005	447156.31
3752192.77	0.00008		
447162.71	3752133.95	0.00012	447695.65
3751556.68	0.00027		
447719.54	3751563.76	0.00025	447743.43
3751574.38	0.00024		
447765.56	3751581.46	0.00023	447669.10
3751471.73	0.00013		
447692.99	3751477.04	0.00012	447719.54
3751478.81	0.00010		
447743.43	3751481.46	0.00010	447767.33
3751493.85	0.00009		
447790.33	3751588.54	0.00021	447790.33
3751475.27	0.00008		
449354.44	3752413.43	0.00001	447430.14
3751365.89	0.00008		

*** AERMOD - VERSION 16216r ***
 CONS HRA.ISC
 *** AERMET - VERSION 16216 ***
 *** C:\LAKES\AERMOD VIEW\11794 CONS HRA\11794
 08/01/19
 14:00:07

PAGE 12

*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

*** THE ANNUAL AVERAGE CONCENTRATION VALUES AVERAGED OVER 5
 YEARS FOR SOURCE GROUP: GRADING ***
 INCLUDING SOURCE(S): PAREA4 , PAREA2
 ,

*** DISCRETE CARTESIAN RECEPTOR POINTS

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

**

X-COORD (M)	Y-COORD (M)	CONC	X-COORD (M)
Y-COORD (M)	CONC		
447664.06	3751546.40	0.00344	447611.00
3751476.55	0.00415		
447547.52	3751422.88	0.01406	447517.67
3751426.86	0.01718		

11794 Cons HRA

447274.69	3751416.66	0.00235	447163.14
3751616.34	0.00203		
447161.77	3751676.93	0.00201	447158.32
3751816.02	0.00188		
447146.62	3751838.75	0.00168	447149.18
3751912.73	0.00164		
447157.15	3751995.32	0.00162	447150.18
3752041.60	0.00137		
447159.23	3752153.43	0.00100	447148.74
3752068.59	0.00125		
447249.09	3752277.03	0.00049	447203.43
3752283.47	0.00038		
447475.06	3752281.71	0.00089	447375.54
3752277.61	0.00072		
447528.33	3752285.22	0.00088	447637.21
3752293.42	0.00077		
447722.68	3752284.05	0.00077	447311.85
3752175.89	0.00224		
447315.38	3752233.19	0.00114	447294.07
3752229.03	0.00114		
447263.68	3752236.04	0.00115	447262.02
3752198.34	0.00197		
447288.78	3752175.50	0.00206	446878.40
3751753.77	0.00050		
446688.81	3751586.93	0.00035	446676.17
3751872.58	0.00025		
446787.39	3751854.88	0.00034	446880.92
3751680.46	0.00054		
446572.53	3751827.08	0.00022	449130.71
3751935.77	0.00015		
449226.77	3751993.91	0.00014	447392.16
3751371.26	0.00718		
447142.97	3751525.24	0.00165	447230.70
3751407.96	0.00188		
447632.29	3751407.66	0.00647	447660.56
3751407.03	0.00509		
447485.22	3751302.85	0.01815	447807.93
3751454.63	0.00170		
447886.54	3751459.77	0.00126	447617.77
3751536.45	0.00412		
447158.87	3752236.24	0.00051	447156.31
3752192.77	0.00076		
447162.71	3752133.95	0.00116	447695.65
3751556.68	0.00316		
447719.54	3751563.76	0.00290	447743.43
3751574.38	0.00278		
447765.56	3751581.46	0.00259	447669.10
3751471.73	0.00304		

11794 Cons HRA

447692.99	3751477.04	0.00264	447719.54
3751478.81	0.00232		
447743.43	3751481.46	0.00208	447767.33
3751493.85	0.00183		
447790.33	3751588.54	0.00237	447790.33
3751475.27	0.00173		
449354.44	3752413.43	0.00008	447430.14
3751365.89	0.01473		

*** AERMOD - VERSION 16216r ***
 CONS HRA.ISC
 *** AERMET - VERSION 16216 ***

*** C:\LAKES\AERMOD VIEW\11794 CONS HRA\11794
 08/01/19
 14:00:07

PAGE 13

*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

*** THE ANNUAL AVERAGE CONCENTRATION VALUES AVERAGED OVER 5
 YEARS FOR SOURCE GROUP: BUILDING ***
 INCLUDING SOURCE(S): PAREA5 ,

*** DISCRETE CARTESIAN RECEPTOR POINTS

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

**

X-COORD (M)	Y-COORD (M)	CONC	X-COORD (M)
447664.06	3751546.40	0.01158	447611.00
3751476.55	0.00841		
447547.52	3751422.88	0.00529	447517.67
3751426.86	0.00652		
447274.69	3751416.66	0.00613	447163.14
3751616.34	0.00789		
447161.77	3751676.93	0.00800	447158.32
3751816.02	0.00768		
447146.62	3751838.75	0.00684	447149.18
3751912.73	0.00676		
447157.15	3751995.32	0.00671	447150.18
3752041.60	0.00568		
447159.23	3752153.43	0.00414	447148.74
3752068.59	0.00518		
447249.09	3752277.03	0.00199	447203.43
3752283.47	0.00152		
447475.06	3752281.71	0.00368	447375.54
3752277.61	0.00298		

11794 Cons HRA

447528.33	3752285.22	0.00365	447637.21
3752293.42	0.00317		
447722.68	3752284.05	0.00316	447311.85
3752175.89	0.00943		
447315.38	3752233.19	0.00473	447294.07
3752229.03	0.00476		
447263.68	3752236.04	0.00479	447262.02
3752198.34	0.00829		
447288.78	3752175.50	0.00866	446878.40
3751753.77	0.00185		
446688.81	3751586.93	0.00124	446676.17
3751872.58	0.00091		
446787.39	3751854.88	0.00126	446880.92
3751680.46	0.00197		
446572.53	3751827.08	0.00077	449130.71
3751935.77	0.00050		
449226.77	3751993.91	0.00044	447392.16
3751371.26	0.00355		
447142.97	3751525.24	0.00601	447230.70
3751407.96	0.00505		
447632.29	3751407.66	0.00324	447660.56
3751407.03	0.00292		
447485.22	3751302.85	0.00154	447807.93
3751454.63	0.00252		
447886.54	3751459.77	0.00211	447617.77
3751536.45	0.01393		
447158.87	3752236.24	0.00205	447156.31
3752192.77	0.00310		
447162.71	3752133.95	0.00480	447695.65
3751556.68	0.01085		
447719.54	3751563.76	0.01000	447743.43
3751574.38	0.00978		
447765.56	3751581.46	0.00919	447669.10
3751471.73	0.00519		
447692.99	3751477.04	0.00473	447719.54
3751478.81	0.00420		
447743.43	3751481.46	0.00384	447767.33
3751493.85	0.00380		
447790.33	3751588.54	0.00841	447790.33
3751475.27	0.00305		
449354.44	3752413.43	0.00025	447430.14
3751365.89	0.00318		

▲ *** AERMOD - VERSION 16216r ***
 CONS HRA.ISC ***
 *** AERMET - VERSION 16216 ***

*** C:\LAKES\AERMOD VIEW\11794 CONS HRA\11794
 08/01/19

 14:00:07

11794 Cons HRA

*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

*** THE ANNUAL AVERAGE CONCENTRATION VALUES AVERAGED OVER 5
YEARS FOR SOURCE GROUP: PAINTING ***

INCLUDING SOURCE(S): PAREA6 ,

*** DISCRETE CARTESIAN RECEPTOR POINTS

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

**

X-COORD (M)	Y-COORD (M)	CONC	X-COORD (M)
Y-COORD (M)	CONC		
447664.06	3751546.40	0.00251	447611.00
3751476.55	0.00183		
447547.52	3751422.88	0.00115	447517.67
3751426.86	0.00141		
447274.69	3751416.66	0.00133	447163.14
3751616.34	0.00171		
447161.77	3751676.93	0.00174	447158.32
3751816.02	0.00167		
447146.62	3751838.75	0.00148	447149.18
3751912.73	0.00147		
447157.15	3751995.32	0.00146	447150.18
3752041.60	0.00123		
447159.23	3752153.43	0.00090	447148.74
3752068.59	0.00112		
447249.09	3752277.03	0.00043	447203.43
3752283.47	0.00033		
447475.06	3752281.71	0.00080	447375.54
3752277.61	0.00065		
447528.33	3752285.22	0.00079	447637.21
3752293.42	0.00069		
447722.68	3752284.05	0.00068	447311.85
3752175.89	0.00205		
447315.38	3752233.19	0.00103	447294.07
3752229.03	0.00103		
447263.68	3752236.04	0.00104	447262.02
3752198.34	0.00180		
447288.78	3752175.50	0.00188	446878.40
3751753.77	0.00040		
446688.81	3751586.93	0.00027	446676.17
3751872.58	0.00020		
446787.39	3751854.88	0.00027	446880.92
3751680.46	0.00043		

		11794 Cons HRA	
446572.53	3751827.08	0.00017	449130.71
3751935.77	0.00011		
449226.77	3751993.91	0.00010	447392.16
3751371.26	0.00077		
447142.97	3751525.24	0.00130	447230.70
3751407.96	0.00110		
447632.29	3751407.66	0.00070	447660.56
3751407.03	0.00063		
447485.22	3751302.85	0.00033	447807.93
3751454.63	0.00055		
447886.54	3751459.77	0.00046	447617.77
3751536.45	0.00302		
447158.87	3752236.24	0.00044	447156.31
3752192.77	0.00067		
447162.71	3752133.95	0.00104	447695.65
3751556.68	0.00235		
447719.54	3751563.76	0.00217	447743.43
3751574.38	0.00212		
447765.56	3751581.46	0.00199	447669.10
3751471.73	0.00113		
447692.99	3751477.04	0.00103	447719.54
3751478.81	0.00091		
447743.43	3751481.46	0.00083	447767.33
3751493.85	0.00082		
447790.33	3751588.54	0.00182	447790.33
3751475.27	0.00066		
449354.44	3752413.43	0.00006	447430.14
3751365.89	0.00069		

*** AERMOD - VERSION 16216r ***
 CONS HRA.ISC
 *** AERMET - VERSION 16216 ***

*** C:\LAKES\AERMOD VIEW\11794 CONS HRA\11794
 08/01/19
 14:00:07

PAGE 15

*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

*** THE ANNUAL AVERAGE CONCENTRATION VALUES AVERAGED OVER 5
 YEARS FOR SOURCE GROUP: PAVING ***
 INCLUDING SOURCE(S): PAREA7 ,

*** DISCRETE CARTESIAN RECEPTOR POINTS

 ** CONC OF DPM IN MICROGRAMS/M**3
 **
 X-COORD (M) Y-COORD (M) CONC X-COORD (M)
 Y-COORD (M) CONC

11794 Cons HRA

447664.06	3751546.40	0.00087	447611.00
3751476.55	0.00063		
447547.52	3751422.88	0.00040	447517.67
3751426.86	0.00049		
447274.69	3751416.66	0.00046	447163.14
3751616.34	0.00059		
447161.77	3751676.93	0.00060	447158.32
3751816.02	0.00058		
447146.62	3751838.75	0.00052	447149.18
3751912.73	0.00051		
447157.15	3751995.32	0.00051	447150.18
3752041.60	0.00043		
447159.23	3752153.43	0.00031	447148.74
3752068.59	0.00039		
447249.09	3752277.03	0.00015	447203.43
3752283.47	0.00011		
447475.06	3752281.71	0.00028	447375.54
3752277.61	0.00022		
447528.33	3752285.22	0.00027	447637.21
3752293.42	0.00024		
447722.68	3752284.05	0.00024	447311.85
3752175.89	0.00071		
447315.38	3752233.19	0.00036	447294.07
3752229.03	0.00036		
447263.68	3752236.04	0.00036	447262.02
3752198.34	0.00062		
447288.78	3752175.50	0.00065	446878.40
3751753.77	0.00014		
446688.81	3751586.93	0.00009	446676.17
3751872.58	0.00007		
446787.39	3751854.88	0.00009	446880.92
3751680.46	0.00015		
446572.53	3751827.08	0.00006	449130.71
3751935.77	0.00004		
449226.77	3751993.91	0.00003	447392.16
3751371.26	0.00027		
447142.97	3751525.24	0.00045	447230.70
3751407.96	0.00038		
447632.29	3751407.66	0.00024	447660.56
3751407.03	0.00022		
447485.22	3751302.85	0.00012	447807.93
3751454.63	0.00019		
447886.54	3751459.77	0.00016	447617.77
3751536.45	0.00105		
447158.87	3752236.24	0.00015	447156.31
3752192.77	0.00023		

11794 Cons HRA

447162.71	3752133.95	0.00036	447695.65
3751556.68	0.00082		
447719.54	3751563.76	0.00075	447743.43
3751574.38	0.00074		
447765.56	3751581.46	0.00069	447669.10
3751471.73	0.00039		
447692.99	3751477.04	0.00036	447719.54
3751478.81	0.00032		
447743.43	3751481.46	0.00029	447767.33
3751493.85	0.00029		
447790.33	3751588.54	0.00063	447790.33
3751475.27	0.00023		
449354.44	3752413.43	0.00002	447430.14
3751365.89	0.00024		

*** AERMOD - VERSION 16216r ***
 *** C:\LAKES\AERMOD VIEW\11794 CONS HRA\11794
 CONS HRA.ISC
 *** AERMET - VERSION 16216 ***
 *** 08/01/19
 *** 14:00:07

PAGE 16

*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

*** THE ANNUAL AVERAGE CONCENTRATION VALUES AVERAGED OVER 5
 YEARS FOR SOURCE GROUP: ALL
 INCLUDING SOURCE(S): PAREA1, PAREA3
 , PAREA4, PAREA5, PAREA6, PAREA7, PAREA2

*** DISCRETE CARTESIAN RECEPTOR POINTS

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

X-COORD (M)	Y-COORD (M)	CONC	X-COORD (M)
Y-COORD (M)	CONC		
447664.06	3751546.40	0.01944	447611.00
3751476.55	0.01578		
447547.52	3751422.88	0.02137	447517.67
3751426.86	0.02618		
447274.69	3751416.66	0.01082	447163.14
3751616.34	0.01292		
447161.77	3751676.93	0.01307	447158.32
3751816.02	0.01249		
447146.62	3751838.75	0.01113	447149.18
3751912.73	0.01098		

		11794 Cons HRA	
447157.15	3751995.32	0.01089	447150.18
3752041.60	0.00921		
447159.23	3752153.43	0.00672	447148.74
3752068.59	0.00840		
447249.09	3752277.03	0.00324	447203.43
3752283.47	0.00248		
447475.06	3752281.71	0.00597	447375.54
3752277.61	0.00483		
447528.33	3752285.22	0.00592	447637.21
3752293.42	0.00515		
447722.68	3752284.05	0.00513	447311.85
3752175.89	0.01527		
447315.38	3752233.19	0.00767	447294.07
3752229.03	0.00772		
447263.68	3752236.04	0.00777	447262.02
3752198.34	0.01342		
447288.78	3752175.50	0.01403	446878.40
3751753.77	0.00305		
446688.81	3751586.93	0.00206	446676.17
3751872.58	0.00152		
446787.39	3751854.88	0.00208	446880.92
3751680.46	0.00326		
446572.53	3751827.08	0.00128	449130.71
3751935.77	0.00085		
449226.77	3751993.91	0.00074	447392.16
3751371.26	0.01209		
447142.97	3751525.24	0.00995	447230.70
3751407.96	0.00885		
447632.29	3751407.66	0.01095	447660.56
3751407.03	0.00913		
447485.22	3751302.85	0.02028	447807.93
3751454.63	0.00518		
447886.54	3751459.77	0.00417	447617.77
3751536.45	0.02336		
447158.87	3752236.24	0.00334	447156.31
3752192.77	0.00503		
447162.71	3752133.95	0.00779	447695.65
3751556.68	0.01815		
447719.54	3751563.76	0.01670	447743.43
3751574.38	0.01628		
447765.56	3751581.46	0.01529	447669.10
3751471.73	0.01021		
447692.99	3751477.04	0.00917	447719.54
3751478.81	0.00813		
447743.43	3751481.46	0.00739	447767.33
3751493.85	0.00708		
447790.33	3751588.54	0.01398	447790.33
3751475.27	0.00594		

449354.44 3752413.43 11794 Cons HRA 447430.14
 3751365.89 0.01913 0.00043
 *** AERMOD - VERSION 16216r *** *** C:\LAKES\AERMOD VIEW\11794 CONS HRA\11794
 CONS HRA.ISC *** 08/01/19
 *** AERMET - VERSION 16216 *** ***
 *** 14:00:07

PAGE 17
 *** MODELOPTs: RegDFault CONC ELEV URBAN ADJ_U*

*** THE SUMMARY OF MAXIMUM ANNUAL RESULTS
 AVERAGED OVER 5 YEARS ***

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

GROUP ID	NETWORK	AVERAGE CONC	RECEPTOR (XR, YR,
ZELEV, ZHILL, ZFLAG)	OF TYPE	GRID-ID	
DEMO	1ST HIGHEST VALUE IS	0.00089 AT (	447617.77, 3751536.45,
183.33,	183.33, 0.00) DC		
	2ND HIGHEST VALUE IS	0.00074 AT (	447664.06, 3751546.40,
182.99,	182.99, 0.00) DC		
	3RD HIGHEST VALUE IS	0.00070 AT (	447695.65, 3751556.68,
182.96,	182.96, 0.00) DC		
	4TH HIGHEST VALUE IS	0.00064 AT (	447719.54, 3751563.76,
183.67,	183.67, 0.00) DC		
	5TH HIGHEST VALUE IS	0.00063 AT (	447743.43, 3751574.38,
184.03,	184.03, 0.00) DC		
	6TH HIGHEST VALUE IS	0.00061 AT (	447311.85, 3752175.89,
179.00,	179.00, 0.00) DC		
	7TH HIGHEST VALUE IS	0.00059 AT (	447765.56, 3751581.46,
184.00,	184.00, 0.00) DC		
	8TH HIGHEST VALUE IS	0.00056 AT (	447288.78, 3752175.50,
179.00,	179.00, 0.00) DC		
	9TH HIGHEST VALUE IS	0.00054 AT (	447611.00, 3751476.55,
184.05,	184.05, 0.00) DC		
	10TH HIGHEST VALUE IS	0.00054 AT (	447790.33, 3751588.54,
184.21,	184.21, 0.00) DC		
SITEPREP	1ST HIGHEST VALUE IS	0.00034 AT (	447617.77, 3751536.45,
183.33,	183.33, 0.00) DC		
	2ND HIGHEST VALUE IS	0.00029 AT (	447664.06, 3751546.40,

11794 Cons HRA

182.99,	182.99,	0.00)	DC			
	3RD HIGHEST VALUE IS			0.00027	AT (	447695.65, 3751556.68,
182.96,	182.96,	0.00)	DC			
	4TH HIGHEST VALUE IS			0.00025	AT (	447719.54, 3751563.76,
183.67,	183.67,	0.00)	DC			
	5TH HIGHEST VALUE IS			0.00024	AT (	447743.43, 3751574.38,
184.03,	184.03,	0.00)	DC			
	6TH HIGHEST VALUE IS			0.00023	AT (	447311.85, 3752175.89,
179.00,	179.00,	0.00)	DC			
	7TH HIGHEST VALUE IS			0.00023	AT (	447765.56, 3751581.46,
184.00,	184.00,	0.00)	DC			
	8TH HIGHEST VALUE IS			0.00021	AT (	447288.78, 3752175.50,
179.00,	179.00,	0.00)	DC			
	9TH HIGHEST VALUE IS			0.00021	AT (	447611.00, 3751476.55,
184.05,	184.05,	0.00)	DC			
	10TH HIGHEST VALUE IS			0.00021	AT (	447790.33, 3751588.54,
184.21,	184.21,	0.00)	DC			
GRADING	1ST HIGHEST VALUE IS			0.01815	AT (	447485.22, 3751302.85,
180.90,	180.90,	0.00)	DC			
	2ND HIGHEST VALUE IS			0.01718	AT (	447517.67, 3751426.86,
181.94,	181.94,	0.00)	DC			
	3RD HIGHEST VALUE IS			0.01473	AT (	447430.14, 3751365.89,
181.00,	181.00,	0.00)	DC			
	4TH HIGHEST VALUE IS			0.01406	AT (	447547.52, 3751422.88,
182.83,	182.83,	0.00)	DC			
	5TH HIGHEST VALUE IS			0.00718	AT (	447392.16, 3751371.26,
179.68,	179.68,	0.00)	DC			
	6TH HIGHEST VALUE IS			0.00647	AT (	447632.29, 3751407.66,
183.85,	183.85,	0.00)	DC			
	7TH HIGHEST VALUE IS			0.00509	AT (	447660.56, 3751407.03,
184.25,	184.25,	0.00)	DC			
	8TH HIGHEST VALUE IS			0.00415	AT (	447611.00, 3751476.55,
184.05,	184.05,	0.00)	DC			
	9TH HIGHEST VALUE IS			0.00412	AT (	447617.77, 3751536.45,
183.33,	183.33,	0.00)	DC			
	10TH HIGHEST VALUE IS			0.00344	AT (	447664.06, 3751546.40,
182.99,	182.99,	0.00)	DC			
BUILDING	1ST HIGHEST VALUE IS			0.01393	AT (	447617.77, 3751536.45,
183.33,	183.33,	0.00)	DC			
	2ND HIGHEST VALUE IS			0.01158	AT (	447664.06, 3751546.40,
182.99,	182.99,	0.00)	DC			
	3RD HIGHEST VALUE IS			0.01085	AT (	447695.65, 3751556.68,
182.96,	182.96,	0.00)	DC			
	4TH HIGHEST VALUE IS			0.01000	AT (	447719.54, 3751563.76,
183.67,	183.67,	0.00)	DC			
	5TH HIGHEST VALUE IS			0.00978	AT (	447743.43, 3751574.38,

11794 Cons HRA

184.03, 184.03, 0.00) DC 0.00943 AT (447311.85, 3752175.89,
 179.00, 179.00, 0.00) DC 0.00919 AT (447765.56, 3751581.46,
 184.00, 184.00, 0.00) DC 0.00866 AT (447288.78, 3752175.50,
 179.00, 179.00, 0.00) DC 0.00841 AT (447611.00, 3751476.55,
 184.05, 184.05, 0.00) DC 0.00841 AT (447790.33, 3751588.54,
 184.21, 184.21, 0.00) DC

*** AERMOD - VERSION 16216r ***
 CONS HRA.ISC ***
 *** AERMET - VERSION 16216 ***

*** C:\LAKES\AERMOD VIEW\11794 CONS HRA\11794
 08/01/19
 14:00:07

PAGE 18

*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

*** THE SUMMARY OF MAXIMUM ANNUAL RESULTS

AVERAGED OVER 5 YEARS ***

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

**

NETWORK

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

PAINTING 1ST HIGHEST VALUE IS	0.00302 AT (	447617.77, 3751536.45,
183.33, 183.33, 0.00) DC		
2ND HIGHEST VALUE IS	0.00251 AT (	447664.06, 3751546.40,
182.99, 182.99, 0.00) DC		
3RD HIGHEST VALUE IS	0.00235 AT (	447695.65, 3751556.68,
182.96, 182.96, 0.00) DC		
4TH HIGHEST VALUE IS	0.00217 AT (	447719.54, 3751563.76,
183.67, 183.67, 0.00) DC		
5TH HIGHEST VALUE IS	0.00212 AT (	447743.43, 3751574.38,
184.03, 184.03, 0.00) DC		
6TH HIGHEST VALUE IS	0.00205 AT (	447311.85, 3752175.89,
179.00, 179.00, 0.00) DC		
7TH HIGHEST VALUE IS	0.00199 AT (	447765.56, 3751581.46,
184.00, 184.00, 0.00) DC		
8TH HIGHEST VALUE IS	0.00188 AT (	447288.78, 3752175.50,

11794 Cons HRA

179.00,	179.00,	0.00)	DC	0.00183	AT (	447611.00,	3751476.55,
184.05,	184.05,	0.00)	DC				
	10TH HIGHEST VALUE	IS	0.00182	AT (	447790.33,	3751588.54,	
184.21,	184.21,	0.00)	DC				
PAVING	1ST HIGHEST VALUE	IS	0.00105	AT (	447617.77,	3751536.45,	
183.33,	183.33,	0.00)	DC				
	2ND HIGHEST VALUE	IS	0.00087	AT (	447664.06,	3751546.40,	
182.99,	182.99,	0.00)	DC				
	3RD HIGHEST VALUE	IS	0.00082	AT (	447695.65,	3751556.68,	
182.96,	182.96,	0.00)	DC				
	4TH HIGHEST VALUE	IS	0.00075	AT (	447719.54,	3751563.76,	
183.67,	183.67,	0.00)	DC				
	5TH HIGHEST VALUE	IS	0.00074	AT (	447743.43,	3751574.38,	
184.03,	184.03,	0.00)	DC				
	6TH HIGHEST VALUE	IS	0.00071	AT (	447311.85,	3752175.89,	
179.00,	179.00,	0.00)	DC				
	7TH HIGHEST VALUE	IS	0.00069	AT (	447765.56,	3751581.46,	
184.00,	184.00,	0.00)	DC				
	8TH HIGHEST VALUE	IS	0.00065	AT (	447288.78,	3752175.50,	
179.00,	179.00,	0.00)	DC				
	9TH HIGHEST VALUE	IS	0.00063	AT (	447611.00,	3751476.55,	
184.05,	184.05,	0.00)	DC				
	10TH HIGHEST VALUE	IS	0.00063	AT (	447790.33,	3751588.54,	
184.21,	184.21,	0.00)	DC				
ALL	1ST HIGHEST VALUE	IS	0.02618	AT (	447517.67,	3751426.86,	
181.94,	181.94,	0.00)	DC				
	2ND HIGHEST VALUE	IS	0.02336	AT (	447617.77,	3751536.45,	
183.33,	183.33,	0.00)	DC				
	3RD HIGHEST VALUE	IS	0.02137	AT (	447547.52,	3751422.88,	
182.83,	182.83,	0.00)	DC				
	4TH HIGHEST VALUE	IS	0.02028	AT (	447485.22,	3751302.85,	
180.90,	180.90,	0.00)	DC				
	5TH HIGHEST VALUE	IS	0.01944	AT (	447664.06,	3751546.40,	
182.99,	182.99,	0.00)	DC				
	6TH HIGHEST VALUE	IS	0.01913	AT (	447430.14,	3751365.89,	
181.00,	181.00,	0.00)	DC				
	7TH HIGHEST VALUE	IS	0.01815	AT (	447695.65,	3751556.68,	
182.96,	182.96,	0.00)	DC				
	8TH HIGHEST VALUE	IS	0.01670	AT (	447719.54,	3751563.76,	
183.67,	183.67,	0.00)	DC				
	9TH HIGHEST VALUE	IS	0.01628	AT (	447743.43,	3751574.38,	
184.03,	184.03,	0.00)	DC				
	10TH HIGHEST VALUE	IS	0.01578	AT (	447611.00,	3751476.55,	
184.05,	184.05,	0.00)	DC				

11794 Cons HRA

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

▲ *** AERMOD - VERSION 16216r *** *** C:\LAKES\AERMOD VIEW\11794 CONS HRA\11794
CONS HRA.ISC *** 08/01/19
*** AERMET - VERSION 16216 *** ***
*** 14:00:07

PAGE 19

*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

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

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

A Total of 0 Fatal Error Message(s)
A Total of 2 Warning Message(s)
A Total of 1638 Informational Message(s)

A Total of 43848 Hours Were Processed

A Total of 1039 Calm Hours Identified

A Total of 599 Missing Hours Identified (1.37 Percent)

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

***** WARNING MESSAGES *****
ME W186 543 MEOPEN: THRESH_1MIN 1-min ASOS wind speed threshold used
0.50
ME W187 543 MEOPEN: ADJ_U* Option for Low Winds used in AERMET

*** AERMOD Finishes Successfully ***

11794 Ops HRA

```
** Lakes Environmental AERMOD MPI
**
*****
**
** AERMOD INPUT PRODUCED BY:
** AERMOD VIEW VER. 9.7.0
** LAKES ENVIRONMENTAL SOFTWARE INC.
** DATE: 8/1/2019
** FILE: C:\LAKES\AERMOD VIEW\11794 OPS HRA\11794 OPS HRA.ADI
**
*****
**
**
*****
** AERMOD CONTROL PATHWAY
*****
**
**
CO STARTING
  TITLEONE C:\LAKES\AERMOD VIEW\11794 OPS HRA\11794 OPS HRA.ISC
  MODELOPT DFAULT CONC
  AVERTIME ANNUAL
  URBANOPT 2189641
  POLLUTID DPM
  RUNORNOT RUN
  ERRORFIL "11794 OPS HRA.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 BUILDING 1
** PREFIX
** LENGTH OF SIDE = 8.59
** CONFIGURATION = ADJACENT
** EMISSION RATE = 3.119E-06
** VERTICAL DIMENSION = 6.99
** SZINIT = 3.25
** NODES = 2
** 447267.521, 3751490.966, 177.42, 3.49, 4.00
```

11794 Ops HRA

** 447266.962, 3751515.949, 178.00, 3.49, 4.00

**

LOCATION L0005711 VOLUME 447267.425 3751495.260 177.58
LOCATION L0005712 VOLUME 447267.233 3751503.848 177.75
LOCATION L0005713 VOLUME 447267.040 3751512.436 177.93

** END OF LINE VOLUME SOURCE ID = SLINE1

**

** LINE SOURCE REPRESENTED BY ADJACENT VOLUME SOURCES

** LINE VOLUME SOURCE ID = SLINE3

** DESCRSRC ON-SITE IDLING BUILDING 3

** PREFIX

** LENGTH OF SIDE = 8.59

** CONFIGURATION = ADJACENT

** EMISSION RATE = 3.119E-06

** VERTICAL DIMENSION = 6.99

** SZINIT = 3.25

** NODES = 2

** 447296.129, 3751491.967, 177.05, 3.49, 4.00

** 447296.369, 3751518.147, 177.92, 3.49, 4.00

**

LOCATION L0005714 VOLUME 447296.169 3751496.262 177.33
LOCATION L0005715 VOLUME 447296.247 3751504.851 177.62
LOCATION L0005716 VOLUME 447296.326 3751513.441 177.91

** END OF LINE VOLUME SOURCE ID = SLINE3

**

** LINE SOURCE REPRESENTED BY ADJACENT VOLUME SOURCES

** LINE VOLUME SOURCE ID = SLINE2

** DESCRSRC ON-SITE IDLING BUILDING 2

** PREFIX

** LENGTH OF SIDE = 8.59

** CONFIGURATION = ADJACENT

** EMISSION RATE = 3.119E-06

** VERTICAL DIMENSION = 6.99

** SZINIT = 3.25

** NODES = 2

** 447263.537, 3751576.067, 178.00, 3.49, 4.00

** 447264.674, 3751543.475, 178.00, 3.49, 4.00

**

LOCATION L0007062 VOLUME 447263.687 3751571.775 178.00
LOCATION L0007063 VOLUME 447263.987 3751563.190 178.00
LOCATION L0007064 VOLUME 447264.286 3751554.605 178.00
LOCATION L0007065 VOLUME 447264.586 3751546.020 178.00

** END OF LINE VOLUME SOURCE ID = SLINE2

**

** LINE SOURCE REPRESENTED BY ADJACENT VOLUME SOURCES

** LINE VOLUME SOURCE ID = SLINE4

** DESCRSRC ON-SITE IDLING BUILDING 4

** PREFIX

11794 Ops HRA

```

** LENGTH OF SIDE = 8.59
** CONFIGURATION = ADJACENT
** EMISSION RATE = 3.119E-06
** VERTICAL DIMENSION = 6.99
** SZINIT = 3.25
** NODES = 2
** 447297.189, 3751545.492, 178.00, 3.49, 4.00
** 447296.810, 3751578.841, 178.00, 3.49, 4.00
** -----
    LOCATION L0007066      VOLUME  447297.140 3751549.786 178.00
    LOCATION L0007067      VOLUME  447297.042 3751558.376 178.00
    LOCATION L0007068      VOLUME  447296.945 3751566.965 178.00
    LOCATION L0007069      VOLUME  447296.847 3751575.555 178.00
** END OF LINE VOLUME SOURCE ID = SLINE4
** -----
** LINE SOURCE REPRESENTED BY ADJACENT VOLUME SOURCES
** LINE VOLUME SOURCE ID = SLINE5
** DESCRSRC ON-SITE IDLING BUILDING 5
** PREFIX
** LENGTH OF SIDE = 8.59
** CONFIGURATION = ADJACENT
** EMISSION RATE = 9.752E-06
** VERTICAL DIMENSION = 6.99
** SZINIT = 3.25
** NODES = 2
** 447246.628, 3751686.061, 178.93, 3.49, 4.00
** 447319.202, 3751685.238, 178.19, 3.49, 4.00
** -----
    LOCATION L0007070      VOLUME  447250.923 3751686.012 178.95
    LOCATION L0007071      VOLUME  447259.512 3751685.914 178.66
    LOCATION L0007072      VOLUME  447268.102 3751685.817 178.38
    LOCATION L0007073      VOLUME  447276.691 3751685.720 178.09
    LOCATION L0007074      VOLUME  447285.280 3751685.622 178.00
    LOCATION L0007075      VOLUME  447293.870 3751685.525 178.00
    LOCATION L0007076      VOLUME  447302.459 3751685.427 178.00
    LOCATION L0007077      VOLUME  447311.049 3751685.330 178.06
** END OF LINE VOLUME SOURCE ID = SLINE5
** -----
** LINE SOURCE REPRESENTED BY ADJACENT VOLUME SOURCES
** LINE VOLUME SOURCE ID = SLINE9
** DESCRSRC ON-SITE IDLING BUILDING 8
** PREFIX
** LENGTH OF SIDE = 8.59
** CONFIGURATION = ADJACENT
** EMISSION RATE = 5.867E-06
** VERTICAL DIMENSION = 6.99
** SZINIT = 3.25
** NODES = 3

```

11794 Ops HRA

** 447257.696, 3752038.341, 180.00, 3.49, 4.00
 ** 447257.696, 3752071.522, 180.00, 3.49, 4.00
 ** 447285.079, 3752071.522, 179.89, 3.49, 4.00

** -----
 LOCATION L0005733 VOLUME 447257.696 3752042.636 180.00
 LOCATION L0005734 VOLUME 447257.696 3752051.226 180.00
 LOCATION L0005735 VOLUME 447257.696 3752059.816 180.00
 LOCATION L0005736 VOLUME 447257.696 3752068.406 180.00
 LOCATION L0005737 VOLUME 447263.169 3752071.522 180.00
 LOCATION L0005738 VOLUME 447271.759 3752071.522 180.00
 LOCATION L0005739 VOLUME 447280.349 3752071.522 179.97

** END OF LINE VOLUME SOURCE ID = SLINE9

** -----

** LINE SOURCE REPRESENTED BY ADJACENT VOLUME SOURCES

** LINE VOLUME SOURCE ID = SLINE8

** DESCRSRC ON-SITE IDLING BUILDING 7

** PREFIX

** LENGTH OF SIDE = 8.59

** CONFIGURATION = ADJACENT

** EMISSION RATE = 0.00001971

** VERTICAL DIMENSION = 6.99

** SZINIT = 3.25

** NODES = 2

** 447243.387, 3751972.206, 180.00, 3.49, 4.00

** 447316.518, 3751971.760, 180.00, 3.49, 4.00

** -----

LOCATION L0005740 VOLUME 447247.682 3751972.179 180.00
 LOCATION L0005741 VOLUME 447256.272 3751972.127 180.00
 LOCATION L0005742 VOLUME 447264.862 3751972.075 180.00
 LOCATION L0005743 VOLUME 447273.452 3751972.022 180.00
 LOCATION L0005744 VOLUME 447282.042 3751971.970 180.00
 LOCATION L0005745 VOLUME 447290.632 3751971.917 180.00
 LOCATION L0005746 VOLUME 447299.221 3751971.865 180.00
 LOCATION L0005747 VOLUME 447307.811 3751971.813 180.00
 LOCATION L0005748 VOLUME 447316.401 3751971.760 180.00

** END OF LINE VOLUME SOURCE ID = SLINE8

** -----

** LINE SOURCE REPRESENTED BY ADJACENT VOLUME SOURCES

** LINE VOLUME SOURCE ID = SLINE7

** DESCRSRC ON-SITE IDLING BUILDING 6

** PREFIX

** LENGTH OF SIDE = 8.59

** CONFIGURATION = ADJACENT

** EMISSION RATE = 0.00001971

** VERTICAL DIMENSION = 6.99

** SZINIT = 3.25

** NODES = 2

** 447241.534, 3751790.139, 179.00, 3.49, 4.00

11794 Ops HRA

** 447321.764, 3751788.287, 179.00, 3.49, 4.00

** -----

LOCATION L0005749	VOLUME	447245.828	3751790.039	179.00
LOCATION L0005750	VOLUME	447254.416	3751789.841	179.00
LOCATION L0005751	VOLUME	447263.003	3751789.643	179.00
LOCATION L0005752	VOLUME	447271.591	3751789.445	179.00
LOCATION L0005753	VOLUME	447280.179	3751789.247	179.00
LOCATION L0005754	VOLUME	447288.766	3751789.049	179.00
LOCATION L0005755	VOLUME	447297.354	3751788.850	179.00
LOCATION L0005756	VOLUME	447305.942	3751788.652	179.00
LOCATION L0005757	VOLUME	447314.530	3751788.454	179.00

** END OF LINE VOLUME SOURCE ID = SLINE7

** -----

** LINE SOURCE REPRESENTED BY ADJACENT VOLUME SOURCES

** LINE VOLUME SOURCE ID = SLINE10

** DESCRSRC ON-SITE IDLING BUILDING 9

** PREFIX

** LENGTH OF SIDE = 8.59

** CONFIGURATION = ADJACENT

** EMISSION RATE = 5.423E-06

** VERTICAL DIMENSION = 6.99

** SZINIT = 3.25

** NODES = 3

** 447286.689, 3752072.166, 179.86, 3.49, 4.00

** 447316.327, 3752071.522, 179.19, 3.49, 4.00

** 447315.683, 3752040.918, 179.67, 3.49, 4.00

** -----

LOCATION L0005758	VOLUME	447290.983	3752072.073	179.61
LOCATION L0005759	VOLUME	447299.571	3752071.886	179.33
LOCATION L0005760	VOLUME	447308.159	3752071.700	179.04
LOCATION L0005761	VOLUME	447316.318	3752071.102	179.23
LOCATION L0005762	VOLUME	447316.138	3752062.514	179.22
LOCATION L0005763	VOLUME	447315.957	3752053.926	179.28
LOCATION L0005764	VOLUME	447315.776	3752045.338	179.50

** END OF LINE VOLUME SOURCE ID = SLINE10

** -----

** LINE SOURCE REPRESENTED BY ADJACENT VOLUME SOURCES

** LINE VOLUME SOURCE ID = SLINE11

** DESCRSRC ON-SITE IDLING BUILDING 10

** PREFIX

** LENGTH OF SIDE = 8.59

** CONFIGURATION = ADJACENT

** EMISSION RATE = 3.598E-06

** VERTICAL DIMENSION = 6.99

** SZINIT = 3.25

** NODES = 2

** 447401.663, 3752194.132, 179.00, 3.49, 4.00

** 447400.809, 3752168.503, 179.15, 3.49, 4.00

11794 Ops HRA

```

** -----
LOCATION L0005765      VOLUME  447401.520 3752189.840 179.00
LOCATION L0005766      VOLUME  447401.234 3752181.254 179.00
LOCATION L0005767      VOLUME  447400.948 3752172.669 179.12
** END OF LINE VOLUME SOURCE ID = SLINE11
** -----
** LINE SOURCE REPRESENTED BY ADJACENT VOLUME SOURCES
** LINE VOLUME SOURCE ID = SLINE12
** DESCRSRC ON-SITE IDLING BUILDING 11
** PREFIX
** LENGTH OF SIDE = 8.59
** CONFIGURATION = ADJACENT
** EMISSION RATE = 7.256E-06
** VERTICAL DIMENSION = 6.99
** SZINIT = 3.25
** NODES = 3
** 447430.939, 3751718.021, 179.24, 3.49, 4.00
** 447430.939, 3751692.713, 180.00, 3.49, 4.00
** 447467.975, 3751692.713, 180.00, 3.49, 4.00
** -----
LOCATION L0005768      VOLUME  447430.939 3751713.726 179.45
LOCATION L0005769      VOLUME  447430.939 3751705.136 179.72
LOCATION L0005770      VOLUME  447430.939 3751696.546 179.99
LOCATION L0005771      VOLUME  447435.697 3751692.713 180.00
LOCATION L0005772      VOLUME  447444.287 3751692.713 180.00
LOCATION L0005773      VOLUME  447452.877 3751692.713 180.00
LOCATION L0005774      VOLUME  447461.467 3751692.713 180.00
** END OF LINE VOLUME SOURCE ID = SLINE12
** -----
** LINE SOURCE REPRESENTED BY ADJACENT VOLUME SOURCES
** LINE VOLUME SOURCE ID = SLINE13
** DESCRSRC ON-SITE IDLING BUILDING 12
** PREFIX
** LENGTH OF SIDE = 8.59
** CONFIGURATION = ADJACENT
** EMISSION RATE = 7.457E-06
** VERTICAL DIMENSION = 6.99
** SZINIT = 3.25
** NODES = 3
** 447475.999, 3751693.948, 180.00, 3.49, 4.00
** 447506.244, 3751693.330, 180.00, 3.49, 4.00
** 447508.096, 3751718.021, 180.00, 3.49, 4.00
** -----
LOCATION L0005775      VOLUME  447480.293 3751693.860 180.00
LOCATION L0005776      VOLUME  447488.881 3751693.685 180.00
LOCATION L0005777      VOLUME  447497.469 3751693.510 180.00
LOCATION L0005778      VOLUME  447506.058 3751693.334 180.00
LOCATION L0005779      VOLUME  447506.873 3751701.710 180.00

```

```

                                11794 Ops HRA
LOCATION L0005780      VOLUME  447507.515 3751710.276 180.00
** END OF LINE VOLUME SOURCE ID = SLINE13
** -----
** LINE SOURCE REPRESENTED BY ADJACENT VOLUME SOURCES
** LINE VOLUME SOURCE ID = SLINE14
** DESCRSRC ON-SITE IDLING BUILDING 13
** PREFIX
** LENGTH OF SIDE = 8.59
** CONFIGURATION = ADJACENT
** EMISSION RATE = 0.00001678
** VERTICAL DIMENSION = 6.99
** SZINIT = 3.25
** NODES = 2
** 447437.112, 3751791.474, 179.04, 3.49, 4.00
** 447514.886, 3751791.474, 180.00, 3.49, 4.00
** -----
LOCATION L0005781      VOLUME  447441.407 3751791.474 179.00
LOCATION L0005782      VOLUME  447449.997 3751791.474 179.00
LOCATION L0005783      VOLUME  447458.587 3751791.474 179.00
LOCATION L0005784      VOLUME  447467.177 3751791.474 179.26
LOCATION L0005785      VOLUME  447475.767 3751791.474 179.55
LOCATION L0005786      VOLUME  447484.357 3751791.474 179.83
LOCATION L0005787      VOLUME  447492.947 3751791.474 180.00
LOCATION L0005788      VOLUME  447501.537 3751791.474 180.00
LOCATION L0005789      VOLUME  447510.127 3751791.474 180.00
** END OF LINE VOLUME SOURCE ID = SLINE14
** -----
** LINE SOURCE REPRESENTED BY ADJACENT VOLUME SOURCES
** LINE VOLUME SOURCE ID = SLINE15
** DESCRSRC ON-SITE IDLING BUILDING 14
** PREFIX
** LENGTH OF SIDE = 8.59
** CONFIGURATION = ADJACENT
** EMISSION RATE = 0.00001784
** VERTICAL DIMENSION = 6.99
** SZINIT = 3.25
** NODES = 2
** 447438.346, 3751971.712, 180.00, 3.49, 4.00
** 447532.169, 3751972.329, 180.00, 3.49, 4.00
** -----
LOCATION L0007051      VOLUME  447442.641 3751971.740 180.00
LOCATION L0007052      VOLUME  447451.231 3751971.797 180.00
LOCATION L0007053      VOLUME  447459.821 3751971.853 180.00
LOCATION L0007054      VOLUME  447468.411 3751971.910 180.00
LOCATION L0007055      VOLUME  447477.001 3751971.966 180.00
LOCATION L0007056      VOLUME  447485.590 3751972.023 180.00
LOCATION L0007057      VOLUME  447494.180 3751972.079 180.00
LOCATION L0007058      VOLUME  447502.770 3751972.136 180.00

```



```

                                11794 Ops HRA
LOCATION L0007059      VOLUME  447511.360 3751972.193 180.00
LOCATION L0007060      VOLUME  447519.950 3751972.249 180.00
LOCATION L0007061      VOLUME  447528.539 3751972.306 180.00
** END OF LINE VOLUME SOURCE ID = SLINE15
** -----
** LINE SOURCE REPRESENTED BY ADJACENT VOLUME SOURCES
** LINE VOLUME SOURCE ID = SLINE16
** DESCRSRC ON-SITE IDLING BUILDING 15
** PREFIX
** LENGTH OF SIDE = 8.59
** CONFIGURATION = ADJACENT
** EMISSION RATE = 5.181E-06
** VERTICAL DIMENSION = 6.99
** SZINIT = 3.25
** NODES = 3
** 447444.519, 3752122.939, 180.00, 3.49, 4.00
** 447444.519, 3752110.594, 180.00, 3.49, 4.00
** 447471.061, 3752110.594, 180.00, 3.49, 4.00
** -----
LOCATION L0005801      VOLUME  447444.519 3752118.644 180.00
LOCATION L0005802      VOLUME  447445.059 3752110.594 180.00
LOCATION L0005803      VOLUME  447453.649 3752110.594 180.00
LOCATION L0005804      VOLUME  447462.239 3752110.594 180.00
LOCATION L0005805      VOLUME  447470.829 3752110.594 180.00
** END OF LINE VOLUME SOURCE ID = SLINE16
** -----
** LINE SOURCE REPRESENTED BY ADJACENT VOLUME SOURCES
** LINE VOLUME SOURCE ID = SLINE17
** DESCRSRC ON-SITE IDLING BUILDING 16
** PREFIX
** LENGTH OF SIDE = 8.59
** CONFIGURATION = ADJACENT
** EMISSION RATE = 5.181E-06
** VERTICAL DIMENSION = 6.99
** SZINIT = 3.25
** NODES = 3
** 447475.999, 3752111.829, 180.00, 3.49, 4.00
** 447502.541, 3752111.829, 180.00, 3.49, 4.00
** 447501.924, 3752126.643, 180.00, 3.49, 4.00
** -----
LOCATION L0005806      VOLUME  447480.294 3752111.829 180.00
LOCATION L0005807      VOLUME  447488.884 3752111.829 180.00
LOCATION L0005808      VOLUME  447497.474 3752111.829 180.00
LOCATION L0005809      VOLUME  447502.394 3752115.349 180.00
LOCATION L0005810      VOLUME  447502.037 3752123.931 180.00
** END OF LINE VOLUME SOURCE ID = SLINE17
** -----
** LINE SOURCE REPRESENTED BY ADJACENT VOLUME SOURCES

```

11794 Ops HRA

```

** LINE VOLUME SOURCE ID = SLINE18
** DESCRSRC ON-SITE IDLING BUILDING 17
** PREFIX
** LENGTH OF SIDE = 8.59
** CONFIGURATION = ADJACENT
** EMISSION RATE = 4.132E-06
** VERTICAL DIMENSION = 6.99
** SZINIT = 3.25
** NODES = 2
** 447433.408, 3752193.924, 179.00, 3.49, 4.00
** 447433.408, 3752164.913, 179.40, 3.49, 4.00
** -----
    LOCATION L0005811      VOLUME  447433.408 3752189.629 179.07
    LOCATION L0005812      VOLUME  447433.408 3752181.039 179.11
    LOCATION L0005813      VOLUME  447433.408 3752172.449 179.24
** END OF LINE VOLUME SOURCE ID = SLINE18
** -----
** LINE SOURCE REPRESENTED BY ADJACENT VOLUME SOURCES
** LINE VOLUME SOURCE ID = SLINE19
** DESCRSRC ON-SITE IDLING BUILDING 18
** PREFIX
** LENGTH OF SIDE = 8.59
** CONFIGURATION = ADJACENT
** EMISSION RATE = 3.034E-06
** VERTICAL DIMENSION = 6.99
** SZINIT = 3.25
** NODES = 2
** 447512.417, 3752194.541, 180.00, 3.49, 4.00
** 447513.034, 3752166.765, 180.00, 3.49, 4.00
** -----
    LOCATION L0005814      VOLUME  447512.512 3752190.247 180.00
    LOCATION L0005815      VOLUME  447512.703 3752181.659 180.00
    LOCATION L0005816      VOLUME  447512.894 3752173.071 180.00
** END OF LINE VOLUME SOURCE ID = SLINE19
** -----
** LINE SOURCE REPRESENTED BY ADJACENT VOLUME SOURCES
** LINE VOLUME SOURCE ID = SLINE45
** DESCRSRC ON-SITE IDLING BUILDINGS 19-21
** PREFIX
** LENGTH OF SIDE = 8.59
** CONFIGURATION = ADJACENT
** EMISSION RATE = 0.0000102
** VERTICAL DIMENSION = 6.99
** SZINIT = 3.25
** NODES = 2
** 447697.279, 3751714.619, 182.58, 3.49, 4.00
** 447697.768, 3751604.663, 182.98, 3.49, 4.00
** -----

```

11794 Ops HRA

LOCATION L0005817	VOLUME	447697.298	3751710.324	182.44
LOCATION L0005818	VOLUME	447697.337	3751701.734	182.17
LOCATION L0005819	VOLUME	447697.375	3751693.145	182.00
LOCATION L0005820	VOLUME	447697.413	3751684.555	182.00
LOCATION L0005821	VOLUME	447697.451	3751675.965	182.00
LOCATION L0005822	VOLUME	447697.489	3751667.375	182.00
LOCATION L0005823	VOLUME	447697.527	3751658.785	182.00
LOCATION L0005824	VOLUME	447697.566	3751650.195	182.00
LOCATION L0005825	VOLUME	447697.604	3751641.605	182.00
LOCATION L0005826	VOLUME	447697.642	3751633.015	182.10
LOCATION L0005827	VOLUME	447697.680	3751624.425	182.37
LOCATION L0005828	VOLUME	447697.718	3751615.835	182.64
LOCATION L0005829	VOLUME	447697.756	3751607.245	182.91

** END OF LINE VOLUME SOURCE ID = SLINE45

**

** LINE SOURCE REPRESENTED BY ADJACENT VOLUME SOURCES

** LINE VOLUME SOURCE ID = SLINE46

** DESCRSRC ON-SITE IDLING BUILDINGS 22-25

** PREFIX

** LENGTH OF SIDE = 8.59

** CONFIGURATION = ADJACENT

** EMISSION RATE = 0.00001252

** VERTICAL DIMENSION = 6.99

** SZINIT = 3.25

** NODES = 2

** 447696.653, 3751857.903, 182.13, 3.49, 4.00

** 447696.300, 3751743.145, 182.96, 3.49, 4.00

**

LOCATION L0005830	VOLUME	447696.640	3751853.608	181.98
LOCATION L0005831	VOLUME	447696.613	3751845.018	182.04
LOCATION L0005832	VOLUME	447696.587	3751836.428	182.30
LOCATION L0005833	VOLUME	447696.560	3751827.838	182.56
LOCATION L0005834	VOLUME	447696.534	3751819.248	182.81
LOCATION L0005835	VOLUME	447696.508	3751810.658	182.90
LOCATION L0005836	VOLUME	447696.481	3751802.068	182.90
LOCATION L0005837	VOLUME	447696.455	3751793.478	182.90
LOCATION L0005838	VOLUME	447696.428	3751784.888	182.90
LOCATION L0005839	VOLUME	447696.402	3751776.298	182.90
LOCATION L0005840	VOLUME	447696.375	3751767.708	182.90
LOCATION L0005841	VOLUME	447696.349	3751759.118	182.90
LOCATION L0005842	VOLUME	447696.323	3751750.528	182.90

** END OF LINE VOLUME SOURCE ID = SLINE46

**

** LINE SOURCE REPRESENTED BY ADJACENT VOLUME SOURCES

** LINE VOLUME SOURCE ID = SLINE20

** DESCRSRC ON-SITE IDLING BUILDING 26

** PREFIX

** LENGTH OF SIDE = 8.59

11794 Ops HRA

```

** CONFIGURATION = ADJACENT
** EMISSION RATE = 4.841E-06
** VERTICAL DIMENSION = 6.99
** SZINIT = 3.25
** NODES = 2
** 447633.775, 3751942.828, 180.08, 3.49, 4.00
** 447722.089, 3751942.412, 182.00, 3.49, 4.00
** -----
LOCATION L0007041    VOLUME    447638.070 3751942.808 180.00
LOCATION L0007042    VOLUME    447646.660 3751942.767 180.24
LOCATION L0007043    VOLUME    447655.250 3751942.727 180.53
LOCATION L0007044    VOLUME    447663.840 3751942.686 180.81
LOCATION L0007045    VOLUME    447672.430 3751942.646 181.10
LOCATION L0007046    VOLUME    447681.020 3751942.606 181.39
LOCATION L0007047    VOLUME    447689.610 3751942.565 181.67
LOCATION L0007048    VOLUME    447698.199 3751942.525 181.96
LOCATION L0007049    VOLUME    447706.789 3751942.484 182.00
LOCATION L0007050    VOLUME    447715.379 3751942.444 182.00
** END OF LINE VOLUME SOURCE ID = SLINE20
** -----
** LINE SOURCE REPRESENTED BY ADJACENT VOLUME SOURCES
** LINE VOLUME SOURCE ID = SLINE41
** DESCRSRC ON-SITE IDLING BUILDING 33
** PREFIX
** LENGTH OF SIDE = 8.59
** CONFIGURATION = ADJACENT
** EMISSION RATE = 2.696E-06
** VERTICAL DIMENSION = 6.99
** SZINIT = 3.25
** NODES = 3
** 447673.119, 3752026.746, 181.01, 3.49, 4.00
** 447673.369, 3752040.999, 181.00, 3.49, 4.00
** 447697.624, 3752040.749, 181.60, 3.49, 4.00
** -----
LOCATION L0005853    VOLUME    447673.194 3752031.040 181.11
LOCATION L0005854    VOLUME    447673.345 3752039.629 181.07
LOCATION L0005855    VOLUME    447680.589 3752040.925 181.19
LOCATION L0005856    VOLUME    447689.178 3752040.836 181.34
** END OF LINE VOLUME SOURCE ID = SLINE41
** -----
** LINE SOURCE REPRESENTED BY ADJACENT VOLUME SOURCES
** LINE VOLUME SOURCE ID = SLINE21
** DESCRSRC ON-SITE IDLING BUILDING 34
** PREFIX
** LENGTH OF SIDE = 8.59
** CONFIGURATION = ADJACENT
** EMISSION RATE = 2.696E-06
** VERTICAL DIMENSION = 6.99

```

11794 Ops HRA

```

** SZINIT = 3.25
** NODES = 3
** 447672.886, 3752135.847, 181.00, 3.49, 4.00
** 447673.645, 3752119.923, 181.00, 3.49, 4.00
** 447688.431, 3752120.302, 181.00, 3.49, 4.00
** -----
    LOCATION L0005857      VOLUME  447673.091 3752131.556 181.00
    LOCATION L0005858      VOLUME  447673.499 3752122.976 181.00
    LOCATION L0005859      VOLUME  447679.176 3752120.065 181.00
    LOCATION L0005860      VOLUME  447687.763 3752120.285 181.00
** END OF LINE VOLUME SOURCE ID = SLINE21
** -----
** LINE SOURCE REPRESENTED BY ADJACENT VOLUME SOURCES
** LINE VOLUME SOURCE ID = SLINE22
** DESCRSRC ON-SITE IDLING BUILDING 35
** PREFIX
** LENGTH OF SIDE = 8.59
** CONFIGURATION = ADJACENT
** EMISSION RATE = 3.805E-06
** VERTICAL DIMENSION = 6.99
** SZINIT = 3.25
** NODES = 3
** 447673.560, 3752160.086, 181.00, 3.49, 4.00
** 447673.560, 3752172.218, 181.00, 3.49, 4.00
** 447692.137, 3752172.218, 181.00, 3.49, 4.00
** -----
    LOCATION L0005861      VOLUME  447673.560 3752164.381 181.00
    LOCATION L0005862      VOLUME  447674.312 3752172.218 181.00
    LOCATION L0005863      VOLUME  447682.902 3752172.218 181.00
    LOCATION L0005864      VOLUME  447691.492 3752172.218 181.00
** END OF LINE VOLUME SOURCE ID = SLINE22
** -----
** LINE SOURCE REPRESENTED BY ADJACENT VOLUME SOURCES
** LINE VOLUME SOURCE ID = SLINE23
** DESCRSRC BUILDINGS 1-4 ON-SITE TRAVEL
** PREFIX
** LENGTH OF SIDE = 8.59
** CONFIGURATION = ADJACENT
** EMISSION RATE = 0.00001275
** VERTICAL DIMENSION = 6.99
** SZINIT = 3.25
** NODES = 4
** 447207.667, 3751526.334, 178.00, 3.49, 4.00
** 447381.176, 3751523.246, 177.87, 3.49, 4.00
** 447382.411, 3751731.951, 179.00, 3.49, 4.00
** 447559.625, 3751731.951, 180.18, 3.49, 4.00
** -----
    LOCATION L0005865      VOLUME  447211.962 3751526.257 178.00

```

			11794 Ops HRA		
LOCATION	L0005866	VOLUME	447220.550	3751526.104	178.00
LOCATION	L0005867	VOLUME	447229.139	3751525.952	178.00
LOCATION	L0005868	VOLUME	447237.728	3751525.799	178.00
LOCATION	L0005869	VOLUME	447246.316	3751525.646	178.00
LOCATION	L0005870	VOLUME	447254.905	3751525.493	178.00
LOCATION	L0005871	VOLUME	447263.494	3751525.340	178.00
LOCATION	L0005872	VOLUME	447272.082	3751525.187	178.00
LOCATION	L0005873	VOLUME	447280.671	3751525.035	178.00
LOCATION	L0005874	VOLUME	447289.260	3751524.882	178.00
LOCATION	L0005875	VOLUME	447297.848	3751524.729	178.00
LOCATION	L0005876	VOLUME	447306.437	3751524.576	178.00
LOCATION	L0005877	VOLUME	447315.025	3751524.423	177.86
LOCATION	L0005878	VOLUME	447323.614	3751524.271	177.65
LOCATION	L0005879	VOLUME	447332.203	3751524.118	177.44
LOCATION	L0005880	VOLUME	447340.791	3751523.965	177.29
LOCATION	L0005881	VOLUME	447349.380	3751523.812	177.50
LOCATION	L0005882	VOLUME	447357.969	3751523.659	177.71
LOCATION	L0005883	VOLUME	447366.557	3751523.506	177.93
LOCATION	L0005884	VOLUME	447375.146	3751523.354	178.05
LOCATION	L0005885	VOLUME	447381.191	3751525.805	178.13
LOCATION	L0005886	VOLUME	447381.242	3751534.395	178.24
LOCATION	L0005887	VOLUME	447381.293	3751542.985	178.35
LOCATION	L0005888	VOLUME	447381.344	3751551.575	178.51
LOCATION	L0005889	VOLUME	447381.395	3751560.164	178.68
LOCATION	L0005890	VOLUME	447381.446	3751568.754	178.85
LOCATION	L0005891	VOLUME	447381.496	3751577.344	178.99
LOCATION	L0005892	VOLUME	447381.547	3751585.934	178.94
LOCATION	L0005893	VOLUME	447381.598	3751594.524	178.89
LOCATION	L0005894	VOLUME	447381.649	3751603.114	178.84
LOCATION	L0005895	VOLUME	447381.700	3751611.704	178.93
LOCATION	L0005896	VOLUME	447381.751	3751620.293	179.10
LOCATION	L0005897	VOLUME	447381.801	3751628.883	179.27
LOCATION	L0005898	VOLUME	447381.852	3751637.473	179.42
LOCATION	L0005899	VOLUME	447381.903	3751646.063	179.42
LOCATION	L0005900	VOLUME	447381.954	3751654.653	179.42
LOCATION	L0005901	VOLUME	447382.005	3751663.243	179.42
LOCATION	L0005902	VOLUME	447382.055	3751671.832	179.42
LOCATION	L0005903	VOLUME	447382.106	3751680.422	179.42
LOCATION	L0005904	VOLUME	447382.157	3751689.012	179.43
LOCATION	L0005905	VOLUME	447382.208	3751697.602	179.41
LOCATION	L0005906	VOLUME	447382.259	3751706.192	179.29
LOCATION	L0005907	VOLUME	447382.310	3751714.782	179.16
LOCATION	L0005908	VOLUME	447382.360	3751723.372	179.04
LOCATION	L0005909	VOLUME	447382.422	3751731.951	179.00
LOCATION	L0005910	VOLUME	447391.012	3751731.951	179.00
LOCATION	L0005911	VOLUME	447399.602	3751731.951	179.00
LOCATION	L0005912	VOLUME	447408.192	3751731.951	179.06
LOCATION	L0005913	VOLUME	447416.782	3751731.951	179.11

11794 Ops HRA

LOCATION L0005914	VOLUME	447425.372	3751731.951	179.16
LOCATION L0005915	VOLUME	447433.962	3751731.951	179.31
LOCATION L0005916	VOLUME	447442.552	3751731.951	179.55
LOCATION L0005917	VOLUME	447451.142	3751731.951	179.78
LOCATION L0005918	VOLUME	447459.732	3751731.951	180.00
LOCATION L0005919	VOLUME	447468.322	3751731.951	180.00
LOCATION L0005920	VOLUME	447476.912	3751731.951	180.00
LOCATION L0005921	VOLUME	447485.502	3751731.951	180.00
LOCATION L0005922	VOLUME	447494.092	3751731.951	180.00
LOCATION L0005923	VOLUME	447502.682	3751731.951	180.00
LOCATION L0005924	VOLUME	447511.272	3751731.951	180.00
LOCATION L0005925	VOLUME	447519.862	3751731.951	180.00
LOCATION L0005926	VOLUME	447528.452	3751731.951	180.00
LOCATION L0005927	VOLUME	447537.042	3751731.951	180.00
LOCATION L0005928	VOLUME	447545.632	3751731.951	180.00
LOCATION L0005929	VOLUME	447554.222	3751731.951	180.16

** END OF LINE VOLUME SOURCE ID = SLINE23

**

** LINE SOURCE REPRESENTED BY ADJACENT VOLUME SOURCES

** LINE VOLUME SOURCE ID = SLINE24

** DESCRSRC BUILDING 5 ON-SITE TRAVEL

** PREFIX

** LENGTH OF SIDE = 8.59

** CONFIGURATION = ADJACENT

** EMISSION RATE = 0.00001105

** VERTICAL DIMENSION = 6.99

** SZINIT = 3.25

** NODES = 5

** 447318.034, 3751702.055, 178.13, 3.49, 4.00

** 447243.694, 3751701.402, 178.97, 3.49, 4.00

** 447242.779, 3751731.842, 178.96, 3.49, 4.00

** 447382.411, 3751733.803, 179.00, 3.49, 4.00

** 447557.155, 3751731.333, 180.10, 3.49, 4.00

**

LOCATION L0006992	VOLUME	447313.739	3751702.017	178.15
LOCATION L0006993	VOLUME	447305.149	3751701.942	178.00
LOCATION L0006994	VOLUME	447296.560	3751701.866	178.00
LOCATION L0006995	VOLUME	447287.970	3751701.791	178.00
LOCATION L0006996	VOLUME	447279.380	3751701.716	178.00
LOCATION L0006997	VOLUME	447270.791	3751701.640	178.29
LOCATION L0006998	VOLUME	447262.201	3751701.565	178.57
LOCATION L0006999	VOLUME	447253.611	3751701.489	178.86
LOCATION L0007000	VOLUME	447245.021	3751701.414	179.00
LOCATION L0007001	VOLUME	447243.476	3751708.662	179.00
LOCATION L0007002	VOLUME	447243.218	3751717.248	179.00
LOCATION L0007003	VOLUME	447242.960	3751725.834	179.00
LOCATION L0007004	VOLUME	447245.358	3751731.879	179.00
LOCATION L0007005	VOLUME	447253.947	3751731.999	178.88

11794 Ops HRA

LOCATION L0007006	VOLUME	447262.536	3751732.120	178.65
LOCATION L0007007	VOLUME	447271.126	3751732.240	178.42
LOCATION L0007008	VOLUME	447279.715	3751732.361	178.20
LOCATION L0007009	VOLUME	447288.304	3751732.482	178.21
LOCATION L0007010	VOLUME	447296.893	3751732.602	178.21
LOCATION L0007011	VOLUME	447305.482	3751732.723	178.22
LOCATION L0007012	VOLUME	447314.071	3751732.844	178.34
LOCATION L0007013	VOLUME	447322.660	3751732.964	178.57
LOCATION L0007014	VOLUME	447331.250	3751733.085	178.79
LOCATION L0007015	VOLUME	447339.839	3751733.205	179.00
LOCATION L0007016	VOLUME	447348.428	3751733.326	179.00
LOCATION L0007017	VOLUME	447357.017	3751733.447	179.00
LOCATION L0007018	VOLUME	447365.606	3751733.567	179.00
LOCATION L0007019	VOLUME	447374.195	3751733.688	179.00
LOCATION L0007020	VOLUME	447382.785	3751733.798	179.00
LOCATION L0007021	VOLUME	447391.374	3751733.677	179.00
LOCATION L0007022	VOLUME	447399.963	3751733.555	179.00
LOCATION L0007023	VOLUME	447408.552	3751733.434	179.07
LOCATION L0007024	VOLUME	447417.141	3751733.312	179.14
LOCATION L0007025	VOLUME	447425.730	3751733.191	179.20
LOCATION L0007026	VOLUME	447434.319	3751733.070	179.35
LOCATION L0007027	VOLUME	447442.909	3751732.948	179.57
LOCATION L0007028	VOLUME	447451.498	3751732.827	179.79
LOCATION L0007029	VOLUME	447460.087	3751732.705	180.00
LOCATION L0007030	VOLUME	447468.676	3751732.584	180.00
LOCATION L0007031	VOLUME	447477.265	3751732.463	180.00
LOCATION L0007032	VOLUME	447485.854	3751732.341	180.00
LOCATION L0007033	VOLUME	447494.443	3751732.220	180.00
LOCATION L0007034	VOLUME	447503.033	3751732.098	180.00
LOCATION L0007035	VOLUME	447511.622	3751731.977	180.00
LOCATION L0007036	VOLUME	447520.211	3751731.856	180.00
LOCATION L0007037	VOLUME	447528.800	3751731.734	180.00
LOCATION L0007038	VOLUME	447537.389	3751731.613	180.00
LOCATION L0007039	VOLUME	447545.978	3751731.491	180.00
LOCATION L0007040	VOLUME	447554.567	3751731.370	180.17

** END OF LINE VOLUME SOURCE ID = SLINE24

** -----

** LINE SOURCE REPRESENTED BY ADJACENT VOLUME SOURCES

** LINE VOLUME SOURCE ID = SLINE25

** DESCRSRC BUILDING 6 ON-SITE TRAVEL

** PREFIX

** LENGTH OF SIDE = 8.59

** CONFIGURATION = ADJACENT

** EMISSION RATE = 0.00001989

** VERTICAL DIMENSION = 6.99

** SZINIT = 3.25

** NODES = 6

** 447306.649, 3751773.307, 179.00, 3.49, 4.00

11794 Ops HRA

** 447240.894, 3751772.535, 179.00, 3.49, 4.00
 ** 447240.498, 3751762.793, 179.00, 3.49, 4.00
 ** 447241.256, 3751764.537, 179.00, 3.49, 4.00
 ** 447238.681, 3751731.602, 179.00, 3.49, 4.00
 ** 447568.269, 3751731.951, 180.62, 3.49, 4.00

** -----
 LOCATION L0006941 VOLUME 447302.354 3751773.256 179.00
 LOCATION L0006942 VOLUME 447293.765 3751773.155 179.00
 LOCATION L0006943 VOLUME 447285.176 3751773.055 179.00
 LOCATION L0006944 VOLUME 447276.586 3751772.954 179.00
 LOCATION L0006945 VOLUME 447267.997 3751772.853 179.00
 LOCATION L0006946 VOLUME 447259.407 3751772.752 179.00
 LOCATION L0006947 VOLUME 447250.818 3751772.651 179.00
 LOCATION L0006948 VOLUME 447242.228 3751772.551 179.00
 LOCATION L0006949 VOLUME 447240.600 3751765.285 179.00
 LOCATION L0006950 VOLUME 447240.929 3751760.356 179.00
 LOCATION L0006951 VOLUME 447240.259 3751751.792 179.00
 LOCATION L0006952 VOLUME 447239.590 3751743.228 179.00
 LOCATION L0006953 VOLUME 447238.920 3751734.664 179.00
 LOCATION L0006954 VOLUME 447244.199 3751731.607 179.00
 LOCATION L0006955 VOLUME 447252.789 3751731.616 178.91
 LOCATION L0006956 VOLUME 447261.379 3751731.626 178.67
 LOCATION L0006957 VOLUME 447269.969 3751731.635 178.44
 LOCATION L0006958 VOLUME 447278.559 3751731.644 178.20
 LOCATION L0006959 VOLUME 447287.149 3751731.653 178.18
 LOCATION L0006960 VOLUME 447295.739 3751731.662 178.18
 LOCATION L0006961 VOLUME 447304.329 3751731.671 178.18
 LOCATION L0006962 VOLUME 447312.919 3751731.680 178.28
 LOCATION L0006963 VOLUME 447321.509 3751731.689 178.51
 LOCATION L0006964 VOLUME 447330.099 3751731.698 178.75
 LOCATION L0006965 VOLUME 447338.689 3751731.708 178.98
 LOCATION L0006966 VOLUME 447347.279 3751731.717 179.00
 LOCATION L0006967 VOLUME 447355.869 3751731.726 179.00
 LOCATION L0006968 VOLUME 447364.459 3751731.735 179.00
 LOCATION L0006969 VOLUME 447373.049 3751731.744 179.00
 LOCATION L0006970 VOLUME 447381.639 3751731.753 179.00
 LOCATION L0006971 VOLUME 447390.229 3751731.762 179.00
 LOCATION L0006972 VOLUME 447398.819 3751731.771 179.00
 LOCATION L0006973 VOLUME 447407.409 3751731.780 179.05
 LOCATION L0006974 VOLUME 447415.999 3751731.789 179.10
 LOCATION L0006975 VOLUME 447424.589 3751731.799 179.16
 LOCATION L0006976 VOLUME 447433.179 3751731.808 179.29
 LOCATION L0006977 VOLUME 447441.769 3751731.817 179.52
 LOCATION L0006978 VOLUME 447450.359 3751731.826 179.75
 LOCATION L0006979 VOLUME 447458.949 3751731.835 179.99
 LOCATION L0006980 VOLUME 447467.539 3751731.844 180.00
 LOCATION L0006981 VOLUME 447476.129 3751731.853 180.00
 LOCATION L0006982 VOLUME 447484.719 3751731.862 180.00

			11794 Ops HRA		
LOCATION	L0006983	VOLUME	447493.309	3751731.871	180.00
LOCATION	L0006984	VOLUME	447501.898	3751731.881	180.00
LOCATION	L0006985	VOLUME	447510.488	3751731.890	180.00
LOCATION	L0006986	VOLUME	447519.078	3751731.899	180.00
LOCATION	L0006987	VOLUME	447527.668	3751731.908	180.00
LOCATION	L0006988	VOLUME	447536.258	3751731.917	180.00
LOCATION	L0006989	VOLUME	447544.848	3751731.926	180.00
LOCATION	L0006990	VOLUME	447553.438	3751731.935	180.13
LOCATION	L0006991	VOLUME	447562.028	3751731.944	180.42

** END OF LINE VOLUME SOURCE ID = SLINE25

** -----

** LINE SOURCE REPRESENTED BY ADJACENT VOLUME SOURCES

** LINE VOLUME SOURCE ID = SLINE26

** DESCRSRC BUILDING 7 ON-SITE TRAVEL

** PREFIX

** LENGTH OF SIDE = 8.59

** CONFIGURATION = ADJACENT

** EMISSION RATE = 0.00001866

** VERTICAL DIMENSION = 6.80

** SZINIT = 3.16

** NODES = 4

** 447200.599, 3752028.743, 180.00, 3.40, 4.00

** 447381.497, 3752028.743, 180.00, 3.40, 4.00

** 447381.876, 3751877.426, 179.26, 3.40, 4.00

** 447572.634, 3751877.047, 180.00, 3.40, 4.00

** -----

LOCATION	L0006030	VOLUME	447204.894	3752028.743	180.00
LOCATION	L0006031	VOLUME	447213.484	3752028.743	180.00
LOCATION	L0006032	VOLUME	447222.074	3752028.743	180.00
LOCATION	L0006033	VOLUME	447230.664	3752028.743	180.00
LOCATION	L0006034	VOLUME	447239.254	3752028.743	180.00
LOCATION	L0006035	VOLUME	447247.844	3752028.743	180.00
LOCATION	L0006036	VOLUME	447256.434	3752028.743	180.00
LOCATION	L0006037	VOLUME	447265.024	3752028.743	180.00
LOCATION	L0006038	VOLUME	447273.614	3752028.743	180.00
LOCATION	L0006039	VOLUME	447282.204	3752028.743	179.99
LOCATION	L0006040	VOLUME	447290.794	3752028.743	179.97
LOCATION	L0006041	VOLUME	447299.384	3752028.743	179.94
LOCATION	L0006042	VOLUME	447307.974	3752028.743	179.92
LOCATION	L0006043	VOLUME	447316.564	3752028.743	179.94
LOCATION	L0006044	VOLUME	447325.154	3752028.743	179.96
LOCATION	L0006045	VOLUME	447333.744	3752028.743	179.98
LOCATION	L0006046	VOLUME	447342.334	3752028.743	180.00
LOCATION	L0006047	VOLUME	447350.924	3752028.743	180.00
LOCATION	L0006048	VOLUME	447359.514	3752028.743	180.00
LOCATION	L0006049	VOLUME	447368.104	3752028.743	180.00
LOCATION	L0006050	VOLUME	447376.694	3752028.743	180.00
LOCATION	L0006051	VOLUME	447381.506	3752024.956	180.00

11794 Ops HRA

LOCATION L0006052	VOLUME	447381.528	3752016.366	180.00
LOCATION L0006053	VOLUME	447381.549	3752007.776	180.00
LOCATION L0006054	VOLUME	447381.571	3751999.186	180.00
LOCATION L0006055	VOLUME	447381.592	3751990.596	180.00
LOCATION L0006056	VOLUME	447381.614	3751982.006	180.00
LOCATION L0006057	VOLUME	447381.635	3751973.416	180.00
LOCATION L0006058	VOLUME	447381.657	3751964.826	180.00
LOCATION L0006059	VOLUME	447381.678	3751956.236	180.00
LOCATION L0006060	VOLUME	447381.700	3751947.646	180.00
LOCATION L0006061	VOLUME	447381.721	3751939.056	180.00
LOCATION L0006062	VOLUME	447381.743	3751930.466	180.00
LOCATION L0006063	VOLUME	447381.764	3751921.876	180.00
LOCATION L0006064	VOLUME	447381.786	3751913.286	180.00
LOCATION L0006065	VOLUME	447381.807	3751904.696	179.97
LOCATION L0006066	VOLUME	447381.829	3751896.106	179.80
LOCATION L0006067	VOLUME	447381.850	3751887.516	179.63
LOCATION L0006068	VOLUME	447381.872	3751878.926	179.47
LOCATION L0006069	VOLUME	447388.966	3751877.412	179.67
LOCATION L0006070	VOLUME	447397.556	3751877.395	179.94
LOCATION L0006071	VOLUME	447406.146	3751877.378	180.00
LOCATION L0006072	VOLUME	447414.736	3751877.361	180.00
LOCATION L0006073	VOLUME	447423.326	3751877.344	180.00
LOCATION L0006074	VOLUME	447431.916	3751877.327	180.00
LOCATION L0006075	VOLUME	447440.506	3751877.310	180.00
LOCATION L0006076	VOLUME	447449.096	3751877.293	180.00
LOCATION L0006077	VOLUME	447457.686	3751877.276	180.00
LOCATION L0006078	VOLUME	447466.276	3751877.258	180.00
LOCATION L0006079	VOLUME	447474.866	3751877.241	180.00
LOCATION L0006080	VOLUME	447483.456	3751877.224	180.00
LOCATION L0006081	VOLUME	447492.046	3751877.207	180.00
LOCATION L0006082	VOLUME	447500.636	3751877.190	180.00
LOCATION L0006083	VOLUME	447509.226	3751877.173	180.00
LOCATION L0006084	VOLUME	447517.816	3751877.156	180.00
LOCATION L0006085	VOLUME	447526.406	3751877.139	180.00
LOCATION L0006086	VOLUME	447534.996	3751877.122	180.00
LOCATION L0006087	VOLUME	447543.586	3751877.105	180.00
LOCATION L0006088	VOLUME	447552.176	3751877.088	180.00
LOCATION L0006089	VOLUME	447560.766	3751877.071	180.00
LOCATION L0006090	VOLUME	447569.356	3751877.054	180.00

** END OF LINE VOLUME SOURCE ID = SLINE26

**

** LINE SOURCE REPRESENTED BY ADJACENT VOLUME SOURCES

** LINE VOLUME SOURCE ID = SLINE27

** DESCRSRC BUILDINGS 8-9 ON-SITE TRAVEL

** PREFIX

** LENGTH OF SIDE = 8.59

** CONFIGURATION = ADJACENT

** EMISSION RATE = 0.00001394

11794 Ops HRA

** VERTICAL DIMENSION = 6.80

** SZINIT = 3.16

** NODES = 4

** 447200.599, 3752028.743, 180.00, 3.40, 4.00

** 447381.497, 3752028.743, 180.00, 3.40, 4.00

** 447381.876, 3751877.426, 179.26, 3.40, 4.00

** 447572.634, 3751877.047, 180.00, 3.40, 4.00

**

LOCATION L0006091	VOLUME	447204.894	3752028.743	180.00
LOCATION L0006092	VOLUME	447213.484	3752028.743	180.00
LOCATION L0006093	VOLUME	447222.074	3752028.743	180.00
LOCATION L0006094	VOLUME	447230.664	3752028.743	180.00
LOCATION L0006095	VOLUME	447239.254	3752028.743	180.00
LOCATION L0006096	VOLUME	447247.844	3752028.743	180.00
LOCATION L0006097	VOLUME	447256.434	3752028.743	180.00
LOCATION L0006098	VOLUME	447265.024	3752028.743	180.00
LOCATION L0006099	VOLUME	447273.614	3752028.743	180.00
LOCATION L0006100	VOLUME	447282.204	3752028.743	179.99
LOCATION L0006101	VOLUME	447290.794	3752028.743	179.97
LOCATION L0006102	VOLUME	447299.384	3752028.743	179.94
LOCATION L0006103	VOLUME	447307.974	3752028.743	179.92
LOCATION L0006104	VOLUME	447316.564	3752028.743	179.94
LOCATION L0006105	VOLUME	447325.154	3752028.743	179.96
LOCATION L0006106	VOLUME	447333.744	3752028.743	179.98
LOCATION L0006107	VOLUME	447342.334	3752028.743	180.00
LOCATION L0006108	VOLUME	447350.924	3752028.743	180.00
LOCATION L0006109	VOLUME	447359.514	3752028.743	180.00
LOCATION L0006110	VOLUME	447368.104	3752028.743	180.00
LOCATION L0006111	VOLUME	447376.694	3752028.743	180.00
LOCATION L0006112	VOLUME	447381.506	3752024.956	180.00
LOCATION L0006113	VOLUME	447381.528	3752016.366	180.00
LOCATION L0006114	VOLUME	447381.549	3752007.776	180.00
LOCATION L0006115	VOLUME	447381.571	3751999.186	180.00
LOCATION L0006116	VOLUME	447381.592	3751990.596	180.00
LOCATION L0006117	VOLUME	447381.614	3751982.006	180.00
LOCATION L0006118	VOLUME	447381.635	3751973.416	180.00
LOCATION L0006119	VOLUME	447381.657	3751964.826	180.00
LOCATION L0006120	VOLUME	447381.678	3751956.236	180.00
LOCATION L0006121	VOLUME	447381.700	3751947.646	180.00
LOCATION L0006122	VOLUME	447381.721	3751939.056	180.00
LOCATION L0006123	VOLUME	447381.743	3751930.466	180.00
LOCATION L0006124	VOLUME	447381.764	3751921.876	180.00
LOCATION L0006125	VOLUME	447381.786	3751913.286	180.00
LOCATION L0006126	VOLUME	447381.807	3751904.696	179.97
LOCATION L0006127	VOLUME	447381.829	3751896.106	179.80
LOCATION L0006128	VOLUME	447381.850	3751887.516	179.63
LOCATION L0006129	VOLUME	447381.872	3751878.926	179.47
LOCATION L0006130	VOLUME	447388.966	3751877.412	179.67

11794 Ops HRA

LOCATION L0006131	VOLUME	447397.556	3751877.395	179.94
LOCATION L0006132	VOLUME	447406.146	3751877.378	180.00
LOCATION L0006133	VOLUME	447414.736	3751877.361	180.00
LOCATION L0006134	VOLUME	447423.326	3751877.344	180.00
LOCATION L0006135	VOLUME	447431.916	3751877.327	180.00
LOCATION L0006136	VOLUME	447440.506	3751877.310	180.00
LOCATION L0006137	VOLUME	447449.096	3751877.293	180.00
LOCATION L0006138	VOLUME	447457.686	3751877.276	180.00
LOCATION L0006139	VOLUME	447466.276	3751877.258	180.00
LOCATION L0006140	VOLUME	447474.866	3751877.241	180.00
LOCATION L0006141	VOLUME	447483.456	3751877.224	180.00
LOCATION L0006142	VOLUME	447492.046	3751877.207	180.00
LOCATION L0006143	VOLUME	447500.636	3751877.190	180.00
LOCATION L0006144	VOLUME	447509.226	3751877.173	180.00
LOCATION L0006145	VOLUME	447517.816	3751877.156	180.00
LOCATION L0006146	VOLUME	447526.406	3751877.139	180.00
LOCATION L0006147	VOLUME	447534.996	3751877.122	180.00
LOCATION L0006148	VOLUME	447543.586	3751877.105	180.00
LOCATION L0006149	VOLUME	447552.176	3751877.088	180.00
LOCATION L0006150	VOLUME	447560.766	3751877.071	180.00
LOCATION L0006151	VOLUME	447569.356	3751877.054	180.00

** END OF LINE VOLUME SOURCE ID = SLINE27

**

** LINE SOURCE REPRESENTED BY ADJACENT VOLUME SOURCES

** LINE VOLUME SOURCE ID = SLINE28

** DESCRSRC BUILDINGS 10, 17, 18 ON-SITE TRAVEL

** PREFIX

** LENGTH OF SIDE = 8.59

** CONFIGURATION = ADJACENT

** EMISSION RATE = 4.392E-06

** VERTICAL DIMENSION = 6.99

** SZINIT = 3.25

** NODES = 3

** 447345.450, 3752160.314, 179.00, 3.49, 4.00

** 447569.190, 3752154.833, 180.64, 3.49, 4.00

** 447567.578, 3752154.833, 180.56, 3.49, 4.00

**

LOCATION L0006152	VOLUME	447349.744	3752160.209	179.00
LOCATION L0006153	VOLUME	447358.332	3752159.999	179.00
LOCATION L0006154	VOLUME	447366.919	3752159.788	179.00
LOCATION L0006155	VOLUME	447375.506	3752159.578	179.11
LOCATION L0006156	VOLUME	447384.094	3752159.367	179.28
LOCATION L0006157	VOLUME	447392.681	3752159.157	179.44
LOCATION L0006158	VOLUME	447401.269	3752158.947	179.58
LOCATION L0006159	VOLUME	447409.856	3752158.736	179.58
LOCATION L0006160	VOLUME	447418.444	3752158.526	179.59
LOCATION L0006161	VOLUME	447427.031	3752158.316	179.60
LOCATION L0006162	VOLUME	447435.618	3752158.105	179.69

11794 Ops HRA

LOCATION L0006163	VOLUME	447444.206	3752157.895	179.80
LOCATION L0006164	VOLUME	447452.793	3752157.685	179.92
LOCATION L0006165	VOLUME	447461.381	3752157.474	180.00
LOCATION L0006166	VOLUME	447469.968	3752157.264	180.00
LOCATION L0006167	VOLUME	447478.555	3752157.054	180.00
LOCATION L0006168	VOLUME	447487.143	3752156.843	180.00
LOCATION L0006169	VOLUME	447495.730	3752156.633	180.00
LOCATION L0006170	VOLUME	447504.318	3752156.422	180.00
LOCATION L0006171	VOLUME	447512.905	3752156.212	180.00
LOCATION L0006172	VOLUME	447521.493	3752156.002	180.00
LOCATION L0006173	VOLUME	447530.080	3752155.791	180.00
LOCATION L0006174	VOLUME	447538.667	3752155.581	180.00
LOCATION L0006175	VOLUME	447547.255	3752155.371	180.00
LOCATION L0006176	VOLUME	447555.842	3752155.160	180.15
LOCATION L0006177	VOLUME	447564.430	3752154.950	180.36

** END OF LINE VOLUME SOURCE ID = SLINE28

** -----

** LINE SOURCE REPRESENTED BY ADJACENT VOLUME SOURCES

** LINE VOLUME SOURCE ID = SLINE32

** DESCRSRC BUILDINGS 11-12 ON-SITE TRAVEL

** PREFIX

** LENGTH OF SIDE = 8.59

** CONFIGURATION = ADJACENT

** EMISSION RATE = 6.291E-06

** VERTICAL DIMENSION = 6.99

** SZINIT = 3.25

** NODES = 4

** 447562.516, 3751731.846, 180.31, 3.49, 4.00

** 447434.091, 3751731.846, 179.07, 3.49, 4.00

** 447434.091, 3751695.059, 180.00, 3.49, 4.00

** 447505.037, 3751693.745, 180.00, 3.49, 4.00

** -----

LOCATION L0006178	VOLUME	447558.221	3751731.846	180.29
LOCATION L0006179	VOLUME	447549.631	3751731.846	180.01
LOCATION L0006180	VOLUME	447541.041	3751731.846	180.00
LOCATION L0006181	VOLUME	447532.451	3751731.846	180.00
LOCATION L0006182	VOLUME	447523.861	3751731.846	180.00
LOCATION L0006183	VOLUME	447515.271	3751731.846	180.00
LOCATION L0006184	VOLUME	447506.681	3751731.846	180.00
LOCATION L0006185	VOLUME	447498.091	3751731.846	180.00
LOCATION L0006186	VOLUME	447489.501	3751731.846	180.00
LOCATION L0006187	VOLUME	447480.911	3751731.846	180.00
LOCATION L0006188	VOLUME	447472.321	3751731.846	180.00
LOCATION L0006189	VOLUME	447463.731	3751731.846	180.00
LOCATION L0006190	VOLUME	447455.141	3751731.846	179.88
LOCATION L0006191	VOLUME	447446.551	3751731.846	179.65
LOCATION L0006192	VOLUME	447437.961	3751731.846	179.42
LOCATION L0006193	VOLUME	447434.091	3751727.126	179.18

11794 Ops HRA

LOCATION L0006194	VOLUME	447434.091	3751718.536	179.37
LOCATION L0006195	VOLUME	447434.091	3751709.946	179.61
LOCATION L0006196	VOLUME	447434.091	3751701.356	179.86
LOCATION L0006197	VOLUME	447436.384	3751695.016	180.00
LOCATION L0006198	VOLUME	447444.972	3751694.857	180.00
LOCATION L0006199	VOLUME	447453.561	3751694.698	180.00
LOCATION L0006200	VOLUME	447462.149	3751694.539	180.00
LOCATION L0006201	VOLUME	447470.738	3751694.380	180.00
LOCATION L0006202	VOLUME	447479.326	3751694.221	180.00
LOCATION L0006203	VOLUME	447487.915	3751694.062	180.00
LOCATION L0006204	VOLUME	447496.503	3751693.903	180.00

** END OF LINE VOLUME SOURCE ID = SLINE32

**

** LINE SOURCE REPRESENTED BY ADJACENT VOLUME SOURCES

** LINE VOLUME SOURCE ID = SLINE31

** DESCRSRC BUILDING 13 ON-SITE TRAVEL

** PREFIX

** LENGTH OF SIDE = 8.59

** CONFIGURATION = ADJACENT

** EMISSION RATE = 6.64E-06

** VERTICAL DIMENSION = 6.99

** SZINIT = 3.25

** NODES = 4

** 447566.492, 3751732.222, 180.52, 3.49, 4.00

** 447441.287, 3751732.601, 179.32, 3.49, 4.00

** 447443.943, 3751775.095, 179.26, 3.49, 4.00

** 447494.784, 3751773.957, 179.93, 3.49, 4.00

**

LOCATION L0006205	VOLUME	447562.197	3751732.235	180.43
LOCATION L0006206	VOLUME	447553.608	3751732.261	180.14
LOCATION L0006207	VOLUME	447545.018	3751732.287	180.00
LOCATION L0006208	VOLUME	447536.428	3751732.313	180.00
LOCATION L0006209	VOLUME	447527.838	3751732.339	180.00
LOCATION L0006210	VOLUME	447519.248	3751732.365	180.00
LOCATION L0006211	VOLUME	447510.658	3751732.391	180.00
LOCATION L0006212	VOLUME	447502.068	3751732.417	180.00
LOCATION L0006213	VOLUME	447493.478	3751732.443	180.00
LOCATION L0006214	VOLUME	447484.888	3751732.469	180.00
LOCATION L0006215	VOLUME	447476.298	3751732.495	180.00
LOCATION L0006216	VOLUME	447467.708	3751732.521	180.00
LOCATION L0006217	VOLUME	447459.118	3751732.547	179.99
LOCATION L0006218	VOLUME	447450.528	3751732.573	179.77
LOCATION L0006219	VOLUME	447441.938	3751732.599	179.54
LOCATION L0006220	VOLUME	447441.782	3751740.525	179.69
LOCATION L0006221	VOLUME	447442.318	3751749.098	179.86
LOCATION L0006222	VOLUME	447442.854	3751757.671	179.95
LOCATION L0006223	VOLUME	447443.390	3751766.244	179.67
LOCATION L0006224	VOLUME	447443.925	3751774.818	179.38

11794 Ops HRA

LOCATION L0006225	VOLUME	447452.253	3751774.909	179.38
LOCATION L0006226	VOLUME	447460.841	3751774.717	179.41
LOCATION L0006227	VOLUME	447469.428	3751774.525	179.59
LOCATION L0006228	VOLUME	447478.016	3751774.332	179.77
LOCATION L0006229	VOLUME	447486.604	3751774.140	179.94

** END OF LINE VOLUME SOURCE ID = SLINE31

**

** LINE SOURCE REPRESENTED BY ADJACENT VOLUME SOURCES

** LINE VOLUME SOURCE ID = SLINE30

** DESCRSRC BUILDING 14 ON-SITE TRAVEL

** PREFIX

** LENGTH OF SIDE = 8.59

** CONFIGURATION = ADJACENT

** EMISSION RATE = 8.306E-06

** VERTICAL DIMENSION = 6.99

** SZINIT = 3.25

** NODES = 4

** 447573.808, 3752030.868, 180.96, 3.49, 4.00

** 447438.130, 3752026.851, 180.00, 3.49, 4.00

** 447440.361, 3751987.130, 180.00, 3.49, 4.00

** 447522.036, 3751984.452, 180.00, 3.49, 4.00

**

LOCATION L0006230	VOLUME	447569.515	3752030.741	181.00
LOCATION L0006231	VOLUME	447560.928	3752030.487	181.00
LOCATION L0006232	VOLUME	447552.342	3752030.233	181.00
LOCATION L0006233	VOLUME	447543.756	3752029.978	180.84
LOCATION L0006234	VOLUME	447535.170	3752029.724	180.58
LOCATION L0006235	VOLUME	447526.583	3752029.470	180.32
LOCATION L0006236	VOLUME	447517.997	3752029.216	180.09
LOCATION L0006237	VOLUME	447509.411	3752028.962	180.06
LOCATION L0006238	VOLUME	447500.825	3752028.707	180.03
LOCATION L0006239	VOLUME	447492.238	3752028.453	180.01
LOCATION L0006240	VOLUME	447483.652	3752028.199	180.00
LOCATION L0006241	VOLUME	447475.066	3752027.945	180.00
LOCATION L0006242	VOLUME	447466.480	3752027.691	180.00
LOCATION L0006243	VOLUME	447457.894	3752027.436	180.00
LOCATION L0006244	VOLUME	447449.307	3752027.182	180.00
LOCATION L0006245	VOLUME	447440.721	3752026.928	180.00
LOCATION L0006246	VOLUME	447438.466	3752020.863	180.00
LOCATION L0006247	VOLUME	447438.948	3752012.286	180.00
LOCATION L0006248	VOLUME	447439.430	3752003.710	180.00
LOCATION L0006249	VOLUME	447439.912	3751995.133	180.00
LOCATION L0006250	VOLUME	447440.935	3751987.111	180.00
LOCATION L0006251	VOLUME	447449.520	3751986.829	180.00
LOCATION L0006252	VOLUME	447458.106	3751986.548	180.00
LOCATION L0006253	VOLUME	447466.691	3751986.267	180.00
LOCATION L0006254	VOLUME	447475.276	3751985.985	180.00
LOCATION L0006255	VOLUME	447483.862	3751985.704	180.00


```

                                11794 Ops HRA
LOCATION L0006256      VOLUME  447492.447 3751985.422 180.00
LOCATION L0006257      VOLUME  447501.033 3751985.141 180.00
LOCATION L0006258      VOLUME  447509.618 3751984.859 180.00
LOCATION L0006259      VOLUME  447518.203 3751984.578 180.00
** END OF LINE VOLUME SOURCE ID = SLINE30
** -----
** LINE SOURCE REPRESENTED BY ADJACENT VOLUME SOURCES
** LINE VOLUME SOURCE ID = SLINE29
** DESCRSRC BUILDINGS 15-16 ON-SITE TRAVEL
** PREFIX
** LENGTH OF SIDE = 8.59
** CONFIGURATION = ADJACENT
** EMISSION RATE = 3.35E-06
** VERTICAL DIMENSION = 6.99
** SZINIT = 3.25
** NODES = 2
** 447570.480, 3752146.129, 180.84, 3.49, 4.00
** 447391.875, 3752148.386, 179.89, 3.49, 4.00
** -----
LOCATION L0006260      VOLUME  447566.185 3752146.183 180.56
LOCATION L0006261      VOLUME  447557.596 3752146.292 180.27
LOCATION L0006262      VOLUME  447549.007 3752146.400 180.00
LOCATION L0006263      VOLUME  447540.417 3752146.509 180.00
LOCATION L0006264      VOLUME  447531.828 3752146.617 180.00
LOCATION L0006265      VOLUME  447523.239 3752146.726 180.00
LOCATION L0006266      VOLUME  447514.649 3752146.834 180.00
LOCATION L0006267      VOLUME  447506.060 3752146.943 180.00
LOCATION L0006268      VOLUME  447497.471 3752147.051 180.00
LOCATION L0006269      VOLUME  447488.882 3752147.160 180.00
LOCATION L0006270      VOLUME  447480.292 3752147.268 180.00
LOCATION L0006271      VOLUME  447471.703 3752147.377 180.00
LOCATION L0006272      VOLUME  447463.114 3752147.485 180.00
LOCATION L0006273      VOLUME  447454.524 3752147.594 179.99
LOCATION L0006274      VOLUME  447445.935 3752147.702 179.98
LOCATION L0006275      VOLUME  447437.346 3752147.811 179.96
LOCATION L0006276      VOLUME  447428.756 3752147.920 179.94
LOCATION L0006277      VOLUME  447420.167 3752148.028 179.94
LOCATION L0006278      VOLUME  447411.578 3752148.137 179.94
LOCATION L0006279      VOLUME  447402.988 3752148.245 179.93
LOCATION L0006280      VOLUME  447394.399 3752148.354 179.78
** END OF LINE VOLUME SOURCE ID = SLINE29
** -----
** LINE SOURCE REPRESENTED BY ADJACENT VOLUME SOURCES
** LINE VOLUME SOURCE ID = SLINE44
** DESCRSRC BUILDINGS 19-21 ON-SITE TRAVEL
** PREFIX
** LENGTH OF SIDE = 8.59
** CONFIGURATION = ADJACENT

```

11794 Ops HRA

```

** EMISSION RATE = 3.918E-06
** VERTICAL DIMENSION = 6.99
** SZINIT = 3.25
** NODES = 3
** 447606.870, 3751728.303, 181.01, 3.49, 4.00
** 447699.723, 3751730.258, 182.99, 3.49, 4.00
** 447699.723, 3751611.016, 182.99, 3.49, 4.00
** -----
LOCATION L0006281    VOLUME  447611.165 3751728.393 181.06
LOCATION L0006282    VOLUME  447619.753 3751728.574 181.35
LOCATION L0006283    VOLUME  447628.341 3751728.755 181.63
LOCATION L0006284    VOLUME  447636.929 3751728.936 181.92
LOCATION L0006285    VOLUME  447645.517 3751729.116 182.00
LOCATION L0006286    VOLUME  447654.105 3751729.297 182.00
LOCATION L0006287    VOLUME  447662.693 3751729.478 182.00
LOCATION L0006288    VOLUME  447671.281 3751729.659 182.06
LOCATION L0006289    VOLUME  447679.869 3751729.840 182.35
LOCATION L0006290    VOLUME  447688.457 3751730.020 182.64
LOCATION L0006291    VOLUME  447697.046 3751730.201 182.92
LOCATION L0006292    VOLUME  447699.723 3751724.345 182.94
LOCATION L0006293    VOLUME  447699.723 3751715.755 182.65
LOCATION L0006294    VOLUME  447699.723 3751707.165 182.37
LOCATION L0006295    VOLUME  447699.723 3751698.575 182.09
LOCATION L0006296    VOLUME  447699.723 3751689.985 182.01
LOCATION L0006297    VOLUME  447699.723 3751681.395 182.01
LOCATION L0006298    VOLUME  447699.723 3751672.805 182.00
LOCATION L0006299    VOLUME  447699.723 3751664.215 182.00
LOCATION L0006300    VOLUME  447699.723 3751655.625 182.00
LOCATION L0006301    VOLUME  447699.723 3751647.035 182.01
LOCATION L0006302    VOLUME  447699.723 3751638.445 182.01
LOCATION L0006303    VOLUME  447699.723 3751629.855 182.22
LOCATION L0006304    VOLUME  447699.723 3751621.265 182.50
LOCATION L0006305    VOLUME  447699.723 3751612.675 182.79
** END OF LINE VOLUME SOURCE ID = SLINE44
** -----
** LINE SOURCE REPRESENTED BY ADJACENT VOLUME SOURCES
** LINE VOLUME SOURCE ID = SLINE33
** DESCRSRC BUILDINGS 33-35 ON-SITE TRAVEL
** PREFIX
** LENGTH OF SIDE = 8.59
** CONFIGURATION = ADJACENT
** EMISSION RATE = 1.532E-06
** VERTICAL DIMENSION = 6.99
** SZINIT = 3.25
** NODES = 2
** 447608.821, 3752148.963, 181.00, 3.49, 4.00
** 447700.804, 3752150.509, 181.01, 3.49, 4.00
** -----

```

11794 Ops HRA

LOCATION L0006306	VOLUME	447613.115	3752149.035	181.00
LOCATION L0006307	VOLUME	447621.704	3752149.180	181.00
LOCATION L0006308	VOLUME	447630.293	3752149.324	181.00
LOCATION L0006309	VOLUME	447638.881	3752149.469	181.00
LOCATION L0006310	VOLUME	447647.470	3752149.613	181.00
LOCATION L0006311	VOLUME	447656.059	3752149.757	181.00
LOCATION L0006312	VOLUME	447664.648	3752149.902	181.00
LOCATION L0006313	VOLUME	447673.236	3752150.046	181.00
LOCATION L0006314	VOLUME	447681.825	3752150.190	181.00
LOCATION L0006315	VOLUME	447690.414	3752150.335	181.00
LOCATION L0006316	VOLUME	447699.003	3752150.479	181.00

** END OF LINE VOLUME SOURCE ID = SLINE33

**

** LINE SOURCE REPRESENTED BY ADJACENT VOLUME SOURCES

** LINE VOLUME SOURCE ID = SLINE43

** DESCRSRC BUILDINGS 22-25 ON-SITE TRAVEL

** PREFIX

** LENGTH OF SIDE = 8.59

** CONFIGURATION = ADJACENT

** EMISSION RATE = 7.143E-06

** VERTICAL DIMENSION = 6.99

** SZINIT = 3.25

** NODES = 3

** 447605.748, 3751727.940, 181.01, 3.49, 4.00

** 447790.357, 3751732.715, 183.96, 3.49, 4.00

** 447791.153, 3751863.214, 184.88, 3.49, 4.00

**

LOCATION L0006317	VOLUME	447610.041	3751728.052	181.02
LOCATION L0006318	VOLUME	447618.629	3751728.274	181.31
LOCATION L0006319	VOLUME	447627.216	3751728.496	181.59
LOCATION L0006320	VOLUME	447635.803	3751728.718	181.88
LOCATION L0006321	VOLUME	447644.390	3751728.940	182.00
LOCATION L0006322	VOLUME	447652.977	3751729.162	182.00
LOCATION L0006323	VOLUME	447661.564	3751729.384	182.00
LOCATION L0006324	VOLUME	447670.151	3751729.606	182.03
LOCATION L0006325	VOLUME	447678.738	3751729.828	182.31
LOCATION L0006326	VOLUME	447687.326	3751730.050	182.60
LOCATION L0006327	VOLUME	447695.913	3751730.272	182.88
LOCATION L0006328	VOLUME	447704.500	3751730.494	183.02
LOCATION L0006329	VOLUME	447713.087	3751730.716	183.07
LOCATION L0006330	VOLUME	447721.674	3751730.939	183.12
LOCATION L0006331	VOLUME	447730.261	3751731.161	183.19
LOCATION L0006332	VOLUME	447738.848	3751731.383	183.49
LOCATION L0006333	VOLUME	447747.435	3751731.605	183.78
LOCATION L0006334	VOLUME	447756.023	3751731.827	184.07
LOCATION L0006335	VOLUME	447764.610	3751732.049	184.19
LOCATION L0006336	VOLUME	447773.197	3751732.271	184.20
LOCATION L0006337	VOLUME	447781.784	3751732.493	184.21

11794 Ops HRA

LOCATION L0006338	VOLUME	447790.357	3751732.729	184.19
LOCATION L0006339	VOLUME	447790.410	3751741.319	184.49
LOCATION L0006340	VOLUME	447790.462	3751749.909	184.78
LOCATION L0006341	VOLUME	447790.514	3751758.498	185.07
LOCATION L0006342	VOLUME	447790.567	3751767.088	185.36
LOCATION L0006343	VOLUME	447790.619	3751775.678	185.65
LOCATION L0006344	VOLUME	447790.671	3751784.268	185.93
LOCATION L0006345	VOLUME	447790.724	3751792.858	186.00
LOCATION L0006346	VOLUME	447790.776	3751801.448	186.00
LOCATION L0006347	VOLUME	447790.829	3751810.037	186.00
LOCATION L0006348	VOLUME	447790.881	3751818.627	186.00
LOCATION L0006349	VOLUME	447790.933	3751827.217	186.00
LOCATION L0006350	VOLUME	447790.986	3751835.807	186.00
LOCATION L0006351	VOLUME	447791.038	3751844.397	186.00
LOCATION L0006352	VOLUME	447791.090	3751852.987	185.58
LOCATION L0006353	VOLUME	447791.143	3751861.577	185.04

** END OF LINE VOLUME SOURCE ID = SLINE43

**

** LINE SOURCE REPRESENTED BY ADJACENT VOLUME SOURCES

** LINE VOLUME SOURCE ID = SLINE34

** DESCRSRC BUILDINGS 26-32 ON-SITE TRAVEL

** PREFIX

** LENGTH OF SIDE = 8.59

** CONFIGURATION = ADJACENT

** EMISSION RATE = 7.193E-06

** VERTICAL DIMENSION = 6.99

** SZINIT = 3.25

** NODES = 5

** 447604.048, 3751880.705, 180.06, 3.49, 4.00

** 447695.520, 3751878.963, 181.97, 3.49, 4.00

** 447759.722, 3751878.091, 183.00, 3.49, 4.00

** 447756.490, 3752047.619, 182.00, 3.49, 4.00

** 447709.285, 3752041.643, 181.59, 3.49, 4.00

**

LOCATION L0006898	VOLUME	447608.343	3751880.623	180.00
LOCATION L0006899	VOLUME	447616.931	3751880.460	180.25
LOCATION L0006900	VOLUME	447625.520	3751880.296	180.54
LOCATION L0006901	VOLUME	447634.108	3751880.132	180.82
LOCATION L0006902	VOLUME	447642.696	3751879.969	181.00
LOCATION L0006903	VOLUME	447651.285	3751879.805	181.00
LOCATION L0006904	VOLUME	447659.873	3751879.642	181.00
LOCATION L0006905	VOLUME	447668.462	3751879.478	181.00
LOCATION L0006906	VOLUME	447677.050	3751879.314	181.26
LOCATION L0006907	VOLUME	447685.639	3751879.151	181.54
LOCATION L0006908	VOLUME	447694.227	3751878.987	181.83
LOCATION L0006909	VOLUME	447702.816	3751878.864	182.00
LOCATION L0006910	VOLUME	447711.405	3751878.747	182.00
LOCATION L0006911	VOLUME	447719.995	3751878.630	182.00

11794 Ops HRA

LOCATION L0006912	VOLUME	447728.584	3751878.514	182.00
LOCATION L0006913	VOLUME	447737.173	3751878.397	182.26
LOCATION L0006914	VOLUME	447745.762	3751878.281	182.55
LOCATION L0006915	VOLUME	447754.351	3751878.164	182.83
LOCATION L0006916	VOLUME	447759.660	3751881.310	183.01
LOCATION L0006917	VOLUME	447759.496	3751889.899	183.00
LOCATION L0006918	VOLUME	447759.333	3751898.487	183.00
LOCATION L0006919	VOLUME	447759.169	3751907.076	182.97
LOCATION L0006920	VOLUME	447759.005	3751915.664	182.68
LOCATION L0006921	VOLUME	447758.842	3751924.252	182.39
LOCATION L0006922	VOLUME	447758.678	3751932.841	182.11
LOCATION L0006923	VOLUME	447758.514	3751941.429	182.00
LOCATION L0006924	VOLUME	447758.350	3751950.018	182.00
LOCATION L0006925	VOLUME	447758.187	3751958.606	182.00
LOCATION L0006926	VOLUME	447758.023	3751967.195	182.00
LOCATION L0006927	VOLUME	447757.859	3751975.783	182.00
LOCATION L0006928	VOLUME	447757.696	3751984.372	182.00
LOCATION L0006929	VOLUME	447757.532	3751992.960	182.00
LOCATION L0006930	VOLUME	447757.368	3752001.548	182.00
LOCATION L0006931	VOLUME	447757.204	3752010.137	182.00
LOCATION L0006932	VOLUME	447757.041	3752018.725	182.00
LOCATION L0006933	VOLUME	447756.877	3752027.314	182.00
LOCATION L0006934	VOLUME	447756.713	3752035.902	182.00
LOCATION L0006935	VOLUME	447756.550	3752044.491	182.00
LOCATION L0006936	VOLUME	447751.072	3752046.933	182.00
LOCATION L0006937	VOLUME	447742.550	3752045.854	182.00
LOCATION L0006938	VOLUME	447734.028	3752044.775	182.00
LOCATION L0006939	VOLUME	447725.506	3752043.696	181.92
LOCATION L0006940	VOLUME	447716.984	3752042.617	181.77

** END OF LINE VOLUME SOURCE ID = SLINE34

** -----

** LINE SOURCE REPRESENTED BY ADJACENT VOLUME SOURCES

** LINE VOLUME SOURCE ID = SLINE42

** DESCRSRC ON-SITE IDLING BUILDINGS 27-32

** PREFIX

** LENGTH OF SIDE = 8.59

** CONFIGURATION = ADJACENT

** EMISSION RATE = 5.819E-06

** VERTICAL DIMENSION = 6.99

** SZINIT = 3.25

** NODES = 5

** 447604.048, 3751880.705, 180.06, 3.49, 4.00

** 447695.520, 3751878.963, 181.97, 3.49, 4.00

** 447759.722, 3751878.091, 183.00, 3.49, 4.00

** 447756.490, 3752047.619, 182.00, 3.49, 4.00

** 447709.285, 3752041.643, 181.59, 3.49, 4.00

** -----

LOCATION L0006855	VOLUME	447608.343	3751880.623	180.00
-------------------	--------	------------	-------------	--------

11794 Ops HRA

LOCATION L0006856	VOLUME	447616.931	3751880.460	180.25
LOCATION L0006857	VOLUME	447625.520	3751880.296	180.54
LOCATION L0006858	VOLUME	447634.108	3751880.132	180.82
LOCATION L0006859	VOLUME	447642.696	3751879.969	181.00
LOCATION L0006860	VOLUME	447651.285	3751879.805	181.00
LOCATION L0006861	VOLUME	447659.873	3751879.642	181.00
LOCATION L0006862	VOLUME	447668.462	3751879.478	181.00
LOCATION L0006863	VOLUME	447677.050	3751879.314	181.26
LOCATION L0006864	VOLUME	447685.639	3751879.151	181.54
LOCATION L0006865	VOLUME	447694.227	3751878.987	181.83
LOCATION L0006866	VOLUME	447702.816	3751878.864	182.00
LOCATION L0006867	VOLUME	447711.405	3751878.747	182.00
LOCATION L0006868	VOLUME	447719.995	3751878.630	182.00
LOCATION L0006869	VOLUME	447728.584	3751878.514	182.00
LOCATION L0006870	VOLUME	447737.173	3751878.397	182.26
LOCATION L0006871	VOLUME	447745.762	3751878.281	182.55
LOCATION L0006872	VOLUME	447754.351	3751878.164	182.83
LOCATION L0006873	VOLUME	447759.660	3751881.310	183.01
LOCATION L0006874	VOLUME	447759.496	3751889.899	183.00
LOCATION L0006875	VOLUME	447759.333	3751898.487	183.00
LOCATION L0006876	VOLUME	447759.169	3751907.076	182.97
LOCATION L0006877	VOLUME	447759.005	3751915.664	182.68
LOCATION L0006878	VOLUME	447758.842	3751924.252	182.39
LOCATION L0006879	VOLUME	447758.678	3751932.841	182.11
LOCATION L0006880	VOLUME	447758.514	3751941.429	182.00
LOCATION L0006881	VOLUME	447758.350	3751950.018	182.00
LOCATION L0006882	VOLUME	447758.187	3751958.606	182.00
LOCATION L0006883	VOLUME	447758.023	3751967.195	182.00
LOCATION L0006884	VOLUME	447757.859	3751975.783	182.00
LOCATION L0006885	VOLUME	447757.696	3751984.372	182.00
LOCATION L0006886	VOLUME	447757.532	3751992.960	182.00
LOCATION L0006887	VOLUME	447757.368	3752001.548	182.00
LOCATION L0006888	VOLUME	447757.204	3752010.137	182.00
LOCATION L0006889	VOLUME	447757.041	3752018.725	182.00
LOCATION L0006890	VOLUME	447756.877	3752027.314	182.00
LOCATION L0006891	VOLUME	447756.713	3752035.902	182.00
LOCATION L0006892	VOLUME	447756.550	3752044.491	182.00
LOCATION L0006893	VOLUME	447751.072	3752046.933	182.00
LOCATION L0006894	VOLUME	447742.550	3752045.854	182.00
LOCATION L0006895	VOLUME	447734.028	3752044.775	182.00
LOCATION L0006896	VOLUME	447725.506	3752043.696	181.92
LOCATION L0006897	VOLUME	447716.984	3752042.617	181.77

** END OF LINE VOLUME SOURCE ID = SLINE42

**

** LINE SOURCE REPRESENTED BY ADJACENT VOLUME SOURCES

** LINE VOLUME SOURCE ID = SLINE35

** DESCRSRC 65% OFF-SITE TRAVEL

** PREFIX

11794 Ops HRA

** LENGTH OF SIDE = 8.59
 ** CONFIGURATION = ADJACENT
 ** EMISSION RATE = 0.00004303
 ** VERTICAL DIMENSION = 6.99
 ** SZINIT = 3.25
 ** NODES = 3
 ** 447593.322, 3751878.990, 180.00, 3.49, 4.00
 ** 447590.909, 3751540.010, 182.89, 3.49, 4.00
 ** 447592.116, 3751431.440, 183.28, 3.49, 4.00

LOCATION L0006440	VOLUME	447593.291	3751874.695	180.02
LOCATION L0006441	VOLUME	447593.230	3751866.106	180.16
LOCATION L0006442	VOLUME	447593.169	3751857.516	180.29
LOCATION L0006443	VOLUME	447593.108	3751848.926	180.42
LOCATION L0006444	VOLUME	447593.047	3751840.336	180.46
LOCATION L0006445	VOLUME	447592.986	3751831.746	180.45
LOCATION L0006446	VOLUME	447592.925	3751823.157	180.45
LOCATION L0006447	VOLUME	447592.863	3751814.567	180.48
LOCATION L0006448	VOLUME	447592.802	3751805.977	180.64
LOCATION L0006449	VOLUME	447592.741	3751797.387	180.79
LOCATION L0006450	VOLUME	447592.680	3751788.798	180.95
LOCATION L0006451	VOLUME	447592.619	3751780.208	181.00
LOCATION L0006452	VOLUME	447592.558	3751771.618	181.00
LOCATION L0006453	VOLUME	447592.497	3751763.028	181.00
LOCATION L0006454	VOLUME	447592.436	3751754.438	181.00
LOCATION L0006455	VOLUME	447592.374	3751745.849	181.00
LOCATION L0006456	VOLUME	447592.313	3751737.259	181.00
LOCATION L0006457	VOLUME	447592.252	3751728.669	181.00
LOCATION L0006458	VOLUME	447592.191	3751720.079	181.00
LOCATION L0006459	VOLUME	447592.130	3751711.489	181.00
LOCATION L0006460	VOLUME	447592.069	3751702.900	181.00
LOCATION L0006461	VOLUME	447592.008	3751694.310	180.96
LOCATION L0006462	VOLUME	447591.946	3751685.720	180.80
LOCATION L0006463	VOLUME	447591.885	3751677.130	180.63
LOCATION L0006464	VOLUME	447591.824	3751668.541	180.46
LOCATION L0006465	VOLUME	447591.763	3751659.951	180.33
LOCATION L0006466	VOLUME	447591.702	3751651.361	180.21
LOCATION L0006467	VOLUME	447591.641	3751642.771	180.09
LOCATION L0006468	VOLUME	447591.580	3751634.181	180.00
LOCATION L0006469	VOLUME	447591.518	3751625.592	180.00
LOCATION L0006470	VOLUME	447591.457	3751617.002	180.00
LOCATION L0006471	VOLUME	447591.396	3751608.412	180.00
LOCATION L0006472	VOLUME	447591.335	3751599.822	180.09
LOCATION L0006473	VOLUME	447591.274	3751591.233	180.20
LOCATION L0006474	VOLUME	447591.213	3751582.643	180.31
LOCATION L0006475	VOLUME	447591.152	3751574.053	180.58
LOCATION L0006476	VOLUME	447591.090	3751565.463	181.33
LOCATION L0006477	VOLUME	447591.029	3751556.873	182.07

11794 Ops HRA

LOCATION L0006478	VOLUME	447590.968	3751548.284	182.82
LOCATION L0006479	VOLUME	447590.913	3751539.694	183.08
LOCATION L0006480	VOLUME	447591.008	3751531.104	183.20
LOCATION L0006481	VOLUME	447591.104	3751522.515	183.31
LOCATION L0006482	VOLUME	447591.199	3751513.925	183.44
LOCATION L0006483	VOLUME	447591.295	3751505.336	183.62
LOCATION L0006484	VOLUME	447591.390	3751496.746	183.79
LOCATION L0006485	VOLUME	447591.485	3751488.157	183.96
LOCATION L0006486	VOLUME	447591.581	3751479.568	184.00
LOCATION L0006487	VOLUME	447591.676	3751470.978	184.00
LOCATION L0006488	VOLUME	447591.772	3751462.389	184.00
LOCATION L0006489	VOLUME	447591.867	3751453.799	183.95
LOCATION L0006490	VOLUME	447591.963	3751445.210	183.79
LOCATION L0006491	VOLUME	447592.058	3751436.620	183.62

** END OF LINE VOLUME SOURCE ID = SLINE35

** -----

** LINE SOURCE REPRESENTED BY ADJACENT VOLUME SOURCES

** LINE VOLUME SOURCE ID = SLINE36

** DESCRSRC 35% OFF-SITE TRAVEL

** PREFIX

** LENGTH OF SIDE = 8.59

** CONFIGURATION = ADJACENT

** EMISSION RATE = 0.00001902

** VERTICAL DIMENSION = 6.99

** SZINIT = 3.25

** NODES = 2

** 447592.651, 3751883.424, 180.00, 3.49, 4.00

** 447594.528, 3752254.160, 180.00, 3.49, 4.00

** -----

LOCATION L0006492	VOLUME	447592.673	3751887.719	180.00
LOCATION L0006493	VOLUME	447592.716	3751896.308	180.00
LOCATION L0006494	VOLUME	447592.760	3751904.898	180.00
LOCATION L0006495	VOLUME	447592.803	3751913.488	180.00
LOCATION L0006496	VOLUME	447592.847	3751922.078	180.00
LOCATION L0006497	VOLUME	447592.890	3751930.668	180.00
LOCATION L0006498	VOLUME	447592.934	3751939.258	180.00
LOCATION L0006499	VOLUME	447592.977	3751947.848	180.00
LOCATION L0006500	VOLUME	447593.021	3751956.438	180.00
LOCATION L0006501	VOLUME	447593.064	3751965.028	180.00
LOCATION L0006502	VOLUME	447593.108	3751973.617	180.00
LOCATION L0006503	VOLUME	447593.151	3751982.207	180.00
LOCATION L0006504	VOLUME	447593.195	3751990.797	180.00
LOCATION L0006505	VOLUME	447593.238	3751999.387	180.10
LOCATION L0006506	VOLUME	447593.282	3752007.977	180.39
LOCATION L0006507	VOLUME	447593.325	3752016.567	180.68
LOCATION L0006508	VOLUME	447593.369	3752025.157	180.96
LOCATION L0006509	VOLUME	447593.412	3752033.747	181.00
LOCATION L0006510	VOLUME	447593.456	3752042.337	181.00

11794 Ops HRA

LOCATION L0006511	VOLUME	447593.499	3752050.927	181.00
LOCATION L0006512	VOLUME	447593.543	3752059.516	181.00
LOCATION L0006513	VOLUME	447593.586	3752068.106	181.00
LOCATION L0006514	VOLUME	447593.630	3752076.696	181.00
LOCATION L0006515	VOLUME	447593.673	3752085.286	181.00
LOCATION L0006516	VOLUME	447593.717	3752093.876	181.00
LOCATION L0006517	VOLUME	447593.760	3752102.466	181.00
LOCATION L0006518	VOLUME	447593.804	3752111.056	181.00
LOCATION L0006519	VOLUME	447593.847	3752119.646	181.00
LOCATION L0006520	VOLUME	447593.891	3752128.236	181.00
LOCATION L0006521	VOLUME	447593.934	3752136.825	181.00
LOCATION L0006522	VOLUME	447593.978	3752145.415	181.00
LOCATION L0006523	VOLUME	447594.021	3752154.005	180.87
LOCATION L0006524	VOLUME	447594.065	3752162.595	180.72
LOCATION L0006525	VOLUME	447594.108	3752171.185	180.58
LOCATION L0006526	VOLUME	447594.152	3752179.775	180.49
LOCATION L0006527	VOLUME	447594.195	3752188.365	180.49
LOCATION L0006528	VOLUME	447594.239	3752196.955	180.49
LOCATION L0006529	VOLUME	447594.282	3752205.545	180.50
LOCATION L0006530	VOLUME	447594.326	3752214.134	180.37
LOCATION L0006531	VOLUME	447594.369	3752222.724	180.23
LOCATION L0006532	VOLUME	447594.413	3752231.314	180.08
LOCATION L0006533	VOLUME	447594.456	3752239.904	180.00
LOCATION L0006534	VOLUME	447594.500	3752248.494	180.00

** END OF LINE VOLUME SOURCE ID = SLINE36

** -----

** LINE SOURCE REPRESENTED BY ADJACENT VOLUME SOURCES

** LINE VOLUME SOURCE ID = SLINE37

** DESCRSRC 30% OFF-SITE TRAVEL TO I-15/2ND

** PREFIX

** LENGTH OF SIDE = 26.00

** CONFIGURATION = ADJACENT

** EMISSION RATE = 0.0000379

** VERTICAL DIMENSION = 6.99

** SZINIT = 3.25

** NODES = 7

** 447594.708, 3752262.684, 180.00, 3.49, 12.09

** 447802.589, 3752263.314, 181.41, 3.49, 12.09

** 448072.833, 3752262.684, 186.12, 3.49, 12.09

** 448123.858, 3752261.424, 185.11, 3.49, 12.09

** 448166.694, 3752267.094, 185.62, 3.49, 12.09

** 448227.168, 3752273.393, 186.62, 3.49, 12.09

** 448433.158, 3752299.850, 193.64, 3.49, 12.09

** -----

LOCATION L0006535	VOLUME	447607.708	3752262.723	180.00
LOCATION L0006536	VOLUME	447633.708	3752262.802	180.09
LOCATION L0006537	VOLUME	447659.708	3752262.881	180.71
LOCATION L0006538	VOLUME	447685.708	3752262.960	181.00

11794 Ops HRA

LOCATION L0006539	VOLUME	447711.708	3752263.039	181.00
LOCATION L0006540	VOLUME	447737.708	3752263.117	181.00
LOCATION L0006541	VOLUME	447763.708	3752263.196	181.01
LOCATION L0006542	VOLUME	447789.708	3752263.275	181.11
LOCATION L0006543	VOLUME	447815.707	3752263.283	181.89
LOCATION L0006544	VOLUME	447841.707	3752263.223	182.00
LOCATION L0006545	VOLUME	447867.707	3752263.162	182.00
LOCATION L0006546	VOLUME	447893.707	3752263.102	182.48
LOCATION L0006547	VOLUME	447919.707	3752263.041	183.00
LOCATION L0006548	VOLUME	447945.707	3752262.980	183.21
LOCATION L0006549	VOLUME	447971.707	3752262.920	184.09
LOCATION L0006550	VOLUME	447997.707	3752262.859	185.05
LOCATION L0006551	VOLUME	448023.707	3752262.799	185.83
LOCATION L0006552	VOLUME	448049.707	3752262.738	186.08
LOCATION L0006553	VOLUME	448075.706	3752262.613	186.06
LOCATION L0006554	VOLUME	448101.698	3752261.971	185.65
LOCATION L0006555	VOLUME	448127.658	3752261.927	185.14
LOCATION L0006556	VOLUME	448153.433	3752265.338	185.16
LOCATION L0006557	VOLUME	448179.250	3752268.401	185.92
LOCATION L0006558	VOLUME	448205.110	3752271.095	185.98
LOCATION L0006559	VOLUME	448230.959	3752273.880	186.54
LOCATION L0006560	VOLUME	448256.747	3752277.192	186.64
LOCATION L0006561	VOLUME	448282.536	3752280.504	186.96
LOCATION L0006562	VOLUME	448308.324	3752283.817	187.71
LOCATION L0006563	VOLUME	448334.112	3752287.129	188.46
LOCATION L0006564	VOLUME	448359.900	3752290.441	189.23
LOCATION L0006565	VOLUME	448385.688	3752293.753	190.84
LOCATION L0006566	VOLUME	448411.476	3752297.066	192.44

** END OF LINE VOLUME SOURCE ID = SLINE37

**

** LINE SOURCE REPRESENTED BY ADJACENT VOLUME SOURCES

** LINE VOLUME SOURCE ID = SLINE38

** DESCRSRC 5% OFF-SITE TRAVEL TO HAMNER AVE.

** PREFIX

** LENGTH OF SIDE = 26.00

** CONFIGURATION = ADJACENT

** EMISSION RATE = 0.00003247

** VERTICAL DIMENSION = 6.99

** SZINIT = 3.25

** NODES = 7

** 447594.708, 3752262.684, 180.00, 3.49, 12.09

** 447802.589, 3752263.314, 181.41, 3.49, 12.09

** 448072.833, 3752262.684, 186.12, 3.49, 12.09

** 448123.858, 3752261.424, 185.11, 3.49, 12.09

** 448081.901, 3751952.501, 186.00, 3.49, 12.09

** 447937.176, 3750845.810, 181.30, 3.49, 12.09

** 447804.500, 3749897.794, 178.95, 3.49, 12.09

**

11794 Ops HRA

LOCATION L0006567	VOLUME	447607.708	3752262.723	180.00
LOCATION L0006568	VOLUME	447633.708	3752262.802	180.09
LOCATION L0006569	VOLUME	447659.708	3752262.881	180.71
LOCATION L0006570	VOLUME	447685.708	3752262.960	181.00
LOCATION L0006571	VOLUME	447711.708	3752263.039	181.00
LOCATION L0006572	VOLUME	447737.708	3752263.117	181.00
LOCATION L0006573	VOLUME	447763.708	3752263.196	181.01
LOCATION L0006574	VOLUME	447789.708	3752263.275	181.11
LOCATION L0006575	VOLUME	447815.707	3752263.283	181.89
LOCATION L0006576	VOLUME	447841.707	3752263.223	182.00
LOCATION L0006577	VOLUME	447867.707	3752263.162	182.00
LOCATION L0006578	VOLUME	447893.707	3752263.102	182.48
LOCATION L0006579	VOLUME	447919.707	3752263.041	183.00
LOCATION L0006580	VOLUME	447945.707	3752262.980	183.21
LOCATION L0006581	VOLUME	447971.707	3752262.920	184.09
LOCATION L0006582	VOLUME	447997.707	3752262.859	185.05
LOCATION L0006583	VOLUME	448023.707	3752262.799	185.83
LOCATION L0006584	VOLUME	448049.707	3752262.738	186.08
LOCATION L0006585	VOLUME	448075.706	3752262.613	186.06
LOCATION L0006586	VOLUME	448101.698	3752261.971	185.65
LOCATION L0006587	VOLUME	448123.342	3752257.626	185.29
LOCATION L0006588	VOLUME	448119.843	3752231.862	186.15
LOCATION L0006589	VOLUME	448116.344	3752206.099	187.01
LOCATION L0006590	VOLUME	448112.845	3752180.335	187.86
LOCATION L0006591	VOLUME	448109.346	3752154.572	188.72
LOCATION L0006592	VOLUME	448105.847	3752128.808	189.00
LOCATION L0006593	VOLUME	448102.348	3752103.045	189.00
LOCATION L0006594	VOLUME	448098.849	3752077.281	188.70
LOCATION L0006595	VOLUME	448095.349	3752051.518	187.84
LOCATION L0006596	VOLUME	448091.850	3752025.755	187.00
LOCATION L0006597	VOLUME	448088.351	3751999.991	187.00
LOCATION L0006598	VOLUME	448084.852	3751974.228	186.27
LOCATION L0006599	VOLUME	448081.373	3751948.461	186.00
LOCATION L0006600	VOLUME	448078.002	3751922.681	185.72
LOCATION L0006601	VOLUME	448074.630	3751896.900	185.34
LOCATION L0006602	VOLUME	448071.259	3751871.120	185.00
LOCATION L0006603	VOLUME	448067.888	3751845.339	185.01
LOCATION L0006604	VOLUME	448064.516	3751819.559	185.15
LOCATION L0006605	VOLUME	448061.145	3751793.779	185.06
LOCATION L0006606	VOLUME	448057.773	3751767.998	185.58
LOCATION L0006607	VOLUME	448054.402	3751742.218	185.91
LOCATION L0006608	VOLUME	448051.031	3751716.437	186.24
LOCATION L0006609	VOLUME	448047.659	3751690.657	186.80
LOCATION L0006610	VOLUME	448044.288	3751664.876	187.54
LOCATION L0006611	VOLUME	448040.916	3751639.096	188.29
LOCATION L0006612	VOLUME	448037.545	3751613.315	189.59
LOCATION L0006613	VOLUME	448034.174	3751587.535	190.72
LOCATION L0006614	VOLUME	448030.802	3751561.754	192.01

		11794 Ops HRA		
LOCATION	L0006615	VOLUME	448027.431	3751535.974 193.28
LOCATION	L0006616	VOLUME	448024.059	3751510.193 194.02
LOCATION	L0006617	VOLUME	448020.688	3751484.413 194.71
LOCATION	L0006618	VOLUME	448017.317	3751458.632 194.60
LOCATION	L0006619	VOLUME	448013.945	3751432.852 194.11
LOCATION	L0006620	VOLUME	448010.574	3751407.071 193.36
LOCATION	L0006621	VOLUME	448007.202	3751381.291 192.50
LOCATION	L0006622	VOLUME	448003.831	3751355.510 191.64
LOCATION	L0006623	VOLUME	448000.460	3751329.730 190.77
LOCATION	L0006624	VOLUME	447997.088	3751303.949 189.99
LOCATION	L0006625	VOLUME	447993.717	3751278.169 189.08
LOCATION	L0006626	VOLUME	447990.345	3751252.388 188.20
LOCATION	L0006627	VOLUME	447986.974	3751226.608 186.69
LOCATION	L0006628	VOLUME	447983.603	3751200.827 185.24
LOCATION	L0006629	VOLUME	447980.231	3751175.047 184.27
LOCATION	L0006630	VOLUME	447976.860	3751149.266 183.52
LOCATION	L0006631	VOLUME	447973.488	3751123.486 182.77
LOCATION	L0006632	VOLUME	447970.117	3751097.705 182.02
LOCATION	L0006633	VOLUME	447966.746	3751071.925 181.19
LOCATION	L0006634	VOLUME	447963.374	3751046.144 180.33
LOCATION	L0006635	VOLUME	447960.003	3751020.364 179.47
LOCATION	L0006636	VOLUME	447956.631	3750994.583 178.61
LOCATION	L0006637	VOLUME	447953.260	3750968.803 178.11
LOCATION	L0006638	VOLUME	447949.889	3750943.022 178.46
LOCATION	L0006639	VOLUME	447946.517	3750917.242 179.20
LOCATION	L0006640	VOLUME	447943.146	3750891.461 180.05
LOCATION	L0006641	VOLUME	447939.774	3750865.681 180.71
LOCATION	L0006642	VOLUME	447936.350	3750839.908 181.44
LOCATION	L0006643	VOLUME	447932.746	3750814.159 181.78
LOCATION	L0006644	VOLUME	447929.143	3750788.409 181.66
LOCATION	L0006645	VOLUME	447925.539	3750762.660 181.54
LOCATION	L0006646	VOLUME	447921.935	3750736.911 181.42
LOCATION	L0006647	VOLUME	447918.332	3750711.162 180.71
LOCATION	L0006648	VOLUME	447914.728	3750685.413 180.23
LOCATION	L0006649	VOLUME	447911.125	3750659.664 180.03
LOCATION	L0006650	VOLUME	447907.521	3750633.915 179.96
LOCATION	L0006651	VOLUME	447903.917	3750608.166 180.27
LOCATION	L0006652	VOLUME	447900.314	3750582.417 181.13
LOCATION	L0006653	VOLUME	447896.710	3750556.668 181.99
LOCATION	L0006654	VOLUME	447893.107	3750530.919 182.00
LOCATION	L0006655	VOLUME	447889.503	3750505.170 182.24
LOCATION	L0006656	VOLUME	447885.899	3750479.421 182.22
LOCATION	L0006657	VOLUME	447882.296	3750453.672 182.06
LOCATION	L0006658	VOLUME	447878.692	3750427.923 182.00
LOCATION	L0006659	VOLUME	447875.088	3750402.174 182.00
LOCATION	L0006660	VOLUME	447871.485	3750376.425 182.00
LOCATION	L0006661	VOLUME	447867.881	3750350.675 181.67
LOCATION	L0006662	VOLUME	447864.278	3750324.926 181.50

11794 Ops HRA

LOCATION L0006663	VOLUME	447860.674	3750299.177	181.16
LOCATION L0006664	VOLUME	447857.070	3750273.428	180.89
LOCATION L0006665	VOLUME	447853.467	3750247.679	180.62
LOCATION L0006666	VOLUME	447849.863	3750221.930	180.00
LOCATION L0006667	VOLUME	447846.260	3750196.181	180.00
LOCATION L0006668	VOLUME	447842.656	3750170.432	179.33
LOCATION L0006669	VOLUME	447839.052	3750144.683	179.10
LOCATION L0006670	VOLUME	447835.449	3750118.934	179.00
LOCATION L0006671	VOLUME	447831.845	3750093.185	178.75
LOCATION L0006672	VOLUME	447828.242	3750067.436	178.50
LOCATION L0006673	VOLUME	447824.638	3750041.687	179.00
LOCATION L0006674	VOLUME	447821.034	3750015.938	179.00
LOCATION L0006675	VOLUME	447817.431	3749990.189	179.00
LOCATION L0006676	VOLUME	447813.827	3749964.440	179.00
LOCATION L0006677	VOLUME	447810.224	3749938.691	179.00
LOCATION L0006678	VOLUME	447806.620	3749912.941	179.00

** END OF LINE VOLUME SOURCE ID = SLINE38

** -----

** LINE SOURCE REPRESENTED BY ADJACENT VOLUME SOURCES

** LINE VOLUME SOURCE ID = SLINE39

** DESCRSRC OFF-SITE TRAVEL 15% FIRST ST. TO HIDDEN VALLEY

** PREFIX

** LENGTH OF SIDE = 20.00

** CONFIGURATION = ADJACENT

** EMISSION RATE = 0.00002942

** VERTICAL DIMENSION = 6.99

** SZINIT = 3.25

** NODES = 9

** 447592.870, 3751430.054, 183.32, 3.49, 9.30

** 448015.101, 3751436.953, 193.92, 3.49, 9.30

** 447957.147, 3751003.684, 178.86, 3.49, 9.30

** 448026.139, 3750996.785, 179.96, 3.49, 9.30

** 448071.674, 3750992.645, 181.74, 3.49, 9.30

** 448124.108, 3751003.684, 185.04, 3.49, 9.30

** 448180.681, 3751032.660, 188.94, 3.49, 9.30

** 448331.084, 3751140.288, 192.21, 3.49, 9.30

** 448375.239, 3751158.226, 193.52, 3.49, 9.30

** -----

LOCATION L0006679	VOLUME	447602.869	3751430.218	183.81
LOCATION L0006680	VOLUME	447622.866	3751430.544	184.06
LOCATION L0006681	VOLUME	447642.863	3751430.871	184.25
LOCATION L0006682	VOLUME	447662.861	3751431.198	184.82
LOCATION L0006683	VOLUME	447682.858	3751431.525	185.45
LOCATION L0006684	VOLUME	447702.855	3751431.851	186.09
LOCATION L0006685	VOLUME	447722.853	3751432.178	186.63
LOCATION L0006686	VOLUME	447742.850	3751432.505	186.89
LOCATION L0006687	VOLUME	447762.847	3751432.832	187.12
LOCATION L0006688	VOLUME	447782.845	3751433.158	187.78

		11794 Ops HRA		
LOCATION	L0006689	VOLUME	447802.842	3751433.485 188.56
LOCATION	L0006690	VOLUME	447822.839	3751433.812 189.57
LOCATION	L0006691	VOLUME	447842.837	3751434.139 191.40
LOCATION	L0006692	VOLUME	447862.834	3751434.465 192.45
LOCATION	L0006693	VOLUME	447882.831	3751434.792 193.11
LOCATION	L0006694	VOLUME	447902.829	3751435.119 193.78
LOCATION	L0006695	VOLUME	447922.826	3751435.446 194.00
LOCATION	L0006696	VOLUME	447942.823	3751435.772 194.00
LOCATION	L0006697	VOLUME	447962.821	3751436.099 194.00
LOCATION	L0006698	VOLUME	447982.818	3751436.426 194.00
LOCATION	L0006699	VOLUME	448002.815	3751436.753 194.04
LOCATION	L0006700	VOLUME	448014.078	3751429.309 194.05
LOCATION	L0006701	VOLUME	448011.427	3751409.485 193.44
LOCATION	L0006702	VOLUME	448008.775	3751389.662 192.78
LOCATION	L0006703	VOLUME	448006.124	3751369.838 192.12
LOCATION	L0006704	VOLUME	448003.472	3751350.015 191.46
LOCATION	L0006705	VOLUME	448000.820	3751330.191 190.79
LOCATION	L0006706	VOLUME	447998.169	3751310.368 190.18
LOCATION	L0006707	VOLUME	447995.517	3751290.544 189.54
LOCATION	L0006708	VOLUME	447992.866	3751270.721 188.82
LOCATION	L0006709	VOLUME	447990.214	3751250.898 188.15
LOCATION	L0006710	VOLUME	447987.563	3751231.074 186.99
LOCATION	L0006711	VOLUME	447984.911	3751211.251 185.75
LOCATION	L0006712	VOLUME	447982.260	3751191.427 184.82
LOCATION	L0006713	VOLUME	447979.608	3751171.604 184.17
LOCATION	L0006714	VOLUME	447976.957	3751151.780 183.60
LOCATION	L0006715	VOLUME	447974.305	3751131.957 183.03
LOCATION	L0006716	VOLUME	447971.653	3751112.133 182.45
LOCATION	L0006717	VOLUME	447969.002	3751092.310 181.87
LOCATION	L0006718	VOLUME	447966.350	3751072.486 181.21
LOCATION	L0006719	VOLUME	447963.699	3751052.663 180.55
LOCATION	L0006720	VOLUME	447961.047	3751032.840 179.89
LOCATION	L0006721	VOLUME	447958.396	3751013.016 179.23
LOCATION	L0006722	VOLUME	447967.680	3751002.631 178.88
LOCATION	L0006723	VOLUME	447987.580	3751000.641 178.93
LOCATION	L0006724	VOLUME	448007.481	3750998.650 179.27
LOCATION	L0006725	VOLUME	448027.383	3750996.672 179.93
LOCATION	L0006726	VOLUME	448047.301	3750994.861 180.82
LOCATION	L0006727	VOLUME	448067.219	3750993.050 181.85
LOCATION	L0006728	VOLUME	448086.867	3750995.844 182.86
LOCATION	L0006729	VOLUME	448106.438	3750999.964 184.14
LOCATION	L0006730	VOLUME	448125.837	3751004.569 185.43
LOCATION	L0006731	VOLUME	448143.638	3751013.687 186.57
LOCATION	L0006732	VOLUME	448161.439	3751022.805 187.62
LOCATION	L0006733	VOLUME	448179.240	3751031.922 188.85
LOCATION	L0006734	VOLUME	448195.629	3751043.357 189.43
LOCATION	L0006735	VOLUME	448211.893	3751054.996 190.03
LOCATION	L0006736	VOLUME	448228.158	3751066.634 189.99

```

                                11794 Ops HRA
LOCATION L0006737      VOLUME  448244.423 3751078.273 190.17
LOCATION L0006738      VOLUME  448260.687 3751089.912 190.71
LOCATION L0006739      VOLUME  448276.952 3751101.551 191.08
LOCATION L0006740      VOLUME  448293.216 3751113.190 191.23
LOCATION L0006741      VOLUME  448309.481 3751124.829 191.72
LOCATION L0006742      VOLUME  448325.745 3751136.468 192.12
LOCATION L0006743      VOLUME  448343.531 3751145.345 192.67
LOCATION L0006744      VOLUME  448362.061 3751152.872 193.31
** END OF LINE VOLUME SOURCE ID = SLINE39
** -----
** LINE SOURCE REPRESENTED BY ADJACENT VOLUME SOURCES
** LINE VOLUME SOURCE ID = SLINE40
** DESCRSRC OFF-SITE TRAVEL 50% SOUTH ON MOUNTAIN
** PREFIX
** LENGTH OF SIDE = 20.00
** CONFIGURATION = ADJACENT
** EMISSION RATE = 0.00007985
** VERTICAL DIMENSION = 6.99
** SZINIT = 3.25
** NODES = 18
** 447592.870, 3751423.155, 183.31, 3.49, 9.30
** 447592.870, 3751345.884, 182.00, 3.49, 9.30
** 447601.149, 3751267.233, 182.06, 3.49, 9.30
** 447623.226, 3751213.419, 182.95, 3.49, 9.30
** 447658.394, 3751145.751, 184.42, 3.49, 9.30
** 447678.420, 3751114.071, 184.00, 3.49, 9.30
** 447722.575, 3751069.916, 182.02, 3.49, 9.30
** 447762.590, 3751045.079, 179.91, 3.49, 9.30
** 447773.812, 3751038.838, 179.52, 3.49, 9.30
** 447815.024, 3751025.761, 178.74, 3.49, 9.30
** 447897.814, 3751013.343, 177.93, 3.49, 9.30
** 447964.047, 3750999.544, 178.86, 3.49, 9.30
** 448070.294, 3750991.265, 181.73, 3.49, 9.30
** 448126.868, 3751005.064, 185.10, 3.49, 9.30
** 448224.836, 3751057.498, 189.88, 3.49, 9.30
** 448288.309, 3751105.792, 191.54, 3.49, 9.30
** 448362.820, 3751156.846, 193.02, 3.49, 9.30
** 448365.580, 3751156.846, 193.07, 3.49, 9.30
** -----
LOCATION L0006745      VOLUME  447592.870 3751413.155 183.25
LOCATION L0006746      VOLUME  447592.870 3751393.155 182.94
LOCATION L0006747      VOLUME  447592.870 3751373.155 182.58
LOCATION L0006748      VOLUME  447592.870 3751353.155 182.25
LOCATION L0006749      VOLUME  447594.202 3751333.225 182.00
LOCATION L0006750      VOLUME  447596.296 3751313.335 182.00
LOCATION L0006751      VOLUME  447598.390 3751293.445 182.00
LOCATION L0006752      VOLUME  447600.484 3751273.555 182.00
LOCATION L0006753      VOLUME  447606.327 3751254.610 182.00

```

11794 Ops HRA

LOCATION L0006754	VOLUME	447613.919	3751236.107	182.44
LOCATION L0006755	VOLUME	447621.510	3751217.604	182.97
LOCATION L0006756	VOLUME	447630.364	3751199.686	183.00
LOCATION L0006757	VOLUME	447639.587	3751181.940	183.15
LOCATION L0006758	VOLUME	447648.810	3751164.193	184.05
LOCATION L0006759	VOLUME	447658.032	3751146.447	184.42
LOCATION L0006760	VOLUME	447668.662	3751129.508	184.11
LOCATION L0006761	VOLUME	447679.648	3751112.843	183.85
LOCATION L0006762	VOLUME	447693.790	3751098.700	183.25
LOCATION L0006763	VOLUME	447707.933	3751084.558	182.89
LOCATION L0006764	VOLUME	447722.075	3751070.416	182.35
LOCATION L0006765	VOLUME	447738.967	3751059.742	181.46
LOCATION L0006766	VOLUME	447755.960	3751049.195	180.55
LOCATION L0006767	VOLUME	447773.248	3751039.151	179.68
LOCATION L0006768	VOLUME	447792.261	3751032.984	178.89
LOCATION L0006769	VOLUME	447811.324	3751026.935	178.69
LOCATION L0006770	VOLUME	447830.964	3751023.370	178.57
LOCATION L0006771	VOLUME	447850.743	3751020.403	178.47
LOCATION L0006772	VOLUME	447870.521	3751017.437	178.37
LOCATION L0006773	VOLUME	447890.300	3751014.470	178.37
LOCATION L0006774	VOLUME	447909.955	3751010.813	178.32
LOCATION L0006775	VOLUME	447929.535	3751006.734	178.69
LOCATION L0006776	VOLUME	447949.115	3751002.655	178.88
LOCATION L0006777	VOLUME	447968.780	3750999.175	178.76
LOCATION L0006778	VOLUME	447988.719	3750997.622	178.90
LOCATION L0006779	VOLUME	448008.659	3750996.068	179.31
LOCATION L0006780	VOLUME	448028.598	3750994.514	179.97
LOCATION L0006781	VOLUME	448048.538	3750992.961	180.92
LOCATION L0006782	VOLUME	448068.478	3750991.407	181.95
LOCATION L0006783	VOLUME	448087.954	3750995.573	182.92
LOCATION L0006784	VOLUME	448107.385	3751000.312	184.20
LOCATION L0006785	VOLUME	448126.815	3751005.051	185.49
LOCATION L0006786	VOLUME	448144.453	3751014.476	186.63
LOCATION L0006787	VOLUME	448162.087	3751023.913	187.67
LOCATION L0006788	VOLUME	448179.720	3751033.351	188.92
LOCATION L0006789	VOLUME	448197.353	3751042.788	189.51
LOCATION L0006790	VOLUME	448214.986	3751052.226	190.09
LOCATION L0006791	VOLUME	448231.862	3751062.843	190.09
LOCATION L0006792	VOLUME	448247.779	3751074.954	190.28
LOCATION L0006793	VOLUME	448263.695	3751087.064	190.81
LOCATION L0006794	VOLUME	448279.612	3751099.174	191.24
LOCATION L0006795	VOLUME	448295.792	3751110.919	191.39
LOCATION L0006796	VOLUME	448312.291	3751122.224	191.99
LOCATION L0006797	VOLUME	448328.790	3751133.529	192.48
LOCATION L0006798	VOLUME	448345.288	3751144.833	192.82
LOCATION L0006799	VOLUME	448361.787	3751156.138	193.09

** END OF LINE VOLUME SOURCE ID = SLINE40

** SOURCE PARAMETERS **

11794 Ops HRA

```

** LINE VOLUME SOURCE ID = SLINE1
SRCPARAM L0005711      0.00000104      3.49      4.00      3.25
SRCPARAM L0005712      0.00000104      3.49      4.00      3.25
SRCPARAM L0005713      0.00000104      3.49      4.00      3.25
** -----
** LINE VOLUME SOURCE ID = SLINE3
SRCPARAM L0005714      0.00000104      3.49      4.00      3.25
SRCPARAM L0005715      0.00000104      3.49      4.00      3.25
SRCPARAM L0005716      0.00000104      3.49      4.00      3.25
** -----
** LINE VOLUME SOURCE ID = SLINE2
SRCPARAM L0007062      0.0000007798      3.49      4.00      3.25
SRCPARAM L0007063      0.0000007798      3.49      4.00      3.25
SRCPARAM L0007064      0.0000007798      3.49      4.00      3.25
SRCPARAM L0007065      0.0000007798      3.49      4.00      3.25
** -----
** LINE VOLUME SOURCE ID = SLINE4
SRCPARAM L0007066      0.0000007798      3.49      4.00      3.25
SRCPARAM L0007067      0.0000007798      3.49      4.00      3.25
SRCPARAM L0007068      0.0000007798      3.49      4.00      3.25
SRCPARAM L0007069      0.0000007798      3.49      4.00      3.25
** -----
** LINE VOLUME SOURCE ID = SLINE5
SRCPARAM L0007070      0.000001219      3.49      4.00      3.25
SRCPARAM L0007071      0.000001219      3.49      4.00      3.25
SRCPARAM L0007072      0.000001219      3.49      4.00      3.25
SRCPARAM L0007073      0.000001219      3.49      4.00      3.25
SRCPARAM L0007074      0.000001219      3.49      4.00      3.25
SRCPARAM L0007075      0.000001219      3.49      4.00      3.25
SRCPARAM L0007076      0.000001219      3.49      4.00      3.25
SRCPARAM L0007077      0.000001219      3.49      4.00      3.25
** -----
** LINE VOLUME SOURCE ID = SLINE9
SRCPARAM L0005733      0.0000008381      3.49      4.00      3.25
SRCPARAM L0005734      0.0000008381      3.49      4.00      3.25
SRCPARAM L0005735      0.0000008381      3.49      4.00      3.25
SRCPARAM L0005736      0.0000008381      3.49      4.00      3.25
SRCPARAM L0005737      0.0000008381      3.49      4.00      3.25
SRCPARAM L0005738      0.0000008381      3.49      4.00      3.25
SRCPARAM L0005739      0.0000008381      3.49      4.00      3.25
** -----
** LINE VOLUME SOURCE ID = SLINE8
SRCPARAM L0005740      0.00000219      3.49      4.00      3.25
SRCPARAM L0005741      0.00000219      3.49      4.00      3.25
SRCPARAM L0005742      0.00000219      3.49      4.00      3.25
SRCPARAM L0005743      0.00000219      3.49      4.00      3.25
SRCPARAM L0005744      0.00000219      3.49      4.00      3.25
SRCPARAM L0005745      0.00000219      3.49      4.00      3.25

```

11794 Ops HRA

SRCPARAM L0005746	0.00000219	3.49	4.00	3.25
SRCPARAM L0005747	0.00000219	3.49	4.00	3.25
SRCPARAM L0005748	0.00000219	3.49	4.00	3.25
** -----				
** LINE VOLUME SOURCE ID = SLINE7				
SRCPARAM L0005749	0.00000219	3.49	4.00	3.25
SRCPARAM L0005750	0.00000219	3.49	4.00	3.25
SRCPARAM L0005751	0.00000219	3.49	4.00	3.25
SRCPARAM L0005752	0.00000219	3.49	4.00	3.25
SRCPARAM L0005753	0.00000219	3.49	4.00	3.25
SRCPARAM L0005754	0.00000219	3.49	4.00	3.25
SRCPARAM L0005755	0.00000219	3.49	4.00	3.25
SRCPARAM L0005756	0.00000219	3.49	4.00	3.25
SRCPARAM L0005757	0.00000219	3.49	4.00	3.25
** -----				
** LINE VOLUME SOURCE ID = SLINE10				
SRCPARAM L0005758	0.0000007747	3.49	4.00	3.25
SRCPARAM L0005759	0.0000007747	3.49	4.00	3.25
SRCPARAM L0005760	0.0000007747	3.49	4.00	3.25
SRCPARAM L0005761	0.0000007747	3.49	4.00	3.25
SRCPARAM L0005762	0.0000007747	3.49	4.00	3.25
SRCPARAM L0005763	0.0000007747	3.49	4.00	3.25
SRCPARAM L0005764	0.0000007747	3.49	4.00	3.25
** -----				
** LINE VOLUME SOURCE ID = SLINE11				
SRCPARAM L0005765	0.000001199	3.49	4.00	3.25
SRCPARAM L0005766	0.000001199	3.49	4.00	3.25
SRCPARAM L0005767	0.000001199	3.49	4.00	3.25
** -----				
** LINE VOLUME SOURCE ID = SLINE12				
SRCPARAM L0005768	0.000001037	3.49	4.00	3.25
SRCPARAM L0005769	0.000001037	3.49	4.00	3.25
SRCPARAM L0005770	0.000001037	3.49	4.00	3.25
SRCPARAM L0005771	0.000001037	3.49	4.00	3.25
SRCPARAM L0005772	0.000001037	3.49	4.00	3.25
SRCPARAM L0005773	0.000001037	3.49	4.00	3.25
SRCPARAM L0005774	0.000001037	3.49	4.00	3.25
** -----				
** LINE VOLUME SOURCE ID = SLINE13				
SRCPARAM L0005775	0.000001243	3.49	4.00	3.25
SRCPARAM L0005776	0.000001243	3.49	4.00	3.25
SRCPARAM L0005777	0.000001243	3.49	4.00	3.25
SRCPARAM L0005778	0.000001243	3.49	4.00	3.25
SRCPARAM L0005779	0.000001243	3.49	4.00	3.25
SRCPARAM L0005780	0.000001243	3.49	4.00	3.25
** -----				
** LINE VOLUME SOURCE ID = SLINE14				
SRCPARAM L0005781	0.000001864	3.49	4.00	3.25

11794 Ops HRA

SRCPARAM	L0005782	0.000001864	3.49	4.00	3.25
SRCPARAM	L0005783	0.000001864	3.49	4.00	3.25
SRCPARAM	L0005784	0.000001864	3.49	4.00	3.25
SRCPARAM	L0005785	0.000001864	3.49	4.00	3.25
SRCPARAM	L0005786	0.000001864	3.49	4.00	3.25
SRCPARAM	L0005787	0.000001864	3.49	4.00	3.25
SRCPARAM	L0005788	0.000001864	3.49	4.00	3.25
SRCPARAM	L0005789	0.000001864	3.49	4.00	3.25
** -----					
** LINE VOLUME SOURCE ID = SLINE15					
SRCPARAM	L0007051	0.000001622	3.49	4.00	3.25
SRCPARAM	L0007052	0.000001622	3.49	4.00	3.25
SRCPARAM	L0007053	0.000001622	3.49	4.00	3.25
SRCPARAM	L0007054	0.000001622	3.49	4.00	3.25
SRCPARAM	L0007055	0.000001622	3.49	4.00	3.25
SRCPARAM	L0007056	0.000001622	3.49	4.00	3.25
SRCPARAM	L0007057	0.000001622	3.49	4.00	3.25
SRCPARAM	L0007058	0.000001622	3.49	4.00	3.25
SRCPARAM	L0007059	0.000001622	3.49	4.00	3.25
SRCPARAM	L0007060	0.000001622	3.49	4.00	3.25
SRCPARAM	L0007061	0.000001622	3.49	4.00	3.25
** -----					
** LINE VOLUME SOURCE ID = SLINE16					
SRCPARAM	L0005801	0.000001036	3.49	4.00	3.25
SRCPARAM	L0005802	0.000001036	3.49	4.00	3.25
SRCPARAM	L0005803	0.000001036	3.49	4.00	3.25
SRCPARAM	L0005804	0.000001036	3.49	4.00	3.25
SRCPARAM	L0005805	0.000001036	3.49	4.00	3.25
** -----					
** LINE VOLUME SOURCE ID = SLINE17					
SRCPARAM	L0005806	0.000001036	3.49	4.00	3.25
SRCPARAM	L0005807	0.000001036	3.49	4.00	3.25
SRCPARAM	L0005808	0.000001036	3.49	4.00	3.25
SRCPARAM	L0005809	0.000001036	3.49	4.00	3.25
SRCPARAM	L0005810	0.000001036	3.49	4.00	3.25
** -----					
** LINE VOLUME SOURCE ID = SLINE18					
SRCPARAM	L0005811	0.000001377	3.49	4.00	3.25
SRCPARAM	L0005812	0.000001377	3.49	4.00	3.25
SRCPARAM	L0005813	0.000001377	3.49	4.00	3.25
** -----					
** LINE VOLUME SOURCE ID = SLINE19					
SRCPARAM	L0005814	0.000001011	3.49	4.00	3.25
SRCPARAM	L0005815	0.000001011	3.49	4.00	3.25
SRCPARAM	L0005816	0.000001011	3.49	4.00	3.25
** -----					
** LINE VOLUME SOURCE ID = SLINE45					
SRCPARAM	L0005817	0.0000007846	3.49	4.00	3.25

11794 Ops HRA

SRCPARAM L0005818	0.0000007846	3.49	4.00	3.25
SRCPARAM L0005819	0.0000007846	3.49	4.00	3.25
SRCPARAM L0005820	0.0000007846	3.49	4.00	3.25
SRCPARAM L0005821	0.0000007846	3.49	4.00	3.25
SRCPARAM L0005822	0.0000007846	3.49	4.00	3.25
SRCPARAM L0005823	0.0000007846	3.49	4.00	3.25
SRCPARAM L0005824	0.0000007846	3.49	4.00	3.25
SRCPARAM L0005825	0.0000007846	3.49	4.00	3.25
SRCPARAM L0005826	0.0000007846	3.49	4.00	3.25
SRCPARAM L0005827	0.0000007846	3.49	4.00	3.25
SRCPARAM L0005828	0.0000007846	3.49	4.00	3.25
SRCPARAM L0005829	0.0000007846	3.49	4.00	3.25

**

** LINE VOLUME SOURCE ID = SLINE46

SRCPARAM L0005830	0.0000009631	3.49	4.00	3.25
SRCPARAM L0005831	0.0000009631	3.49	4.00	3.25
SRCPARAM L0005832	0.0000009631	3.49	4.00	3.25
SRCPARAM L0005833	0.0000009631	3.49	4.00	3.25
SRCPARAM L0005834	0.0000009631	3.49	4.00	3.25
SRCPARAM L0005835	0.0000009631	3.49	4.00	3.25
SRCPARAM L0005836	0.0000009631	3.49	4.00	3.25
SRCPARAM L0005837	0.0000009631	3.49	4.00	3.25
SRCPARAM L0005838	0.0000009631	3.49	4.00	3.25
SRCPARAM L0005839	0.0000009631	3.49	4.00	3.25
SRCPARAM L0005840	0.0000009631	3.49	4.00	3.25
SRCPARAM L0005841	0.0000009631	3.49	4.00	3.25
SRCPARAM L0005842	0.0000009631	3.49	4.00	3.25

**

** LINE VOLUME SOURCE ID = SLINE20

SRCPARAM L0007041	0.0000004841	3.49	4.00	3.25
SRCPARAM L0007042	0.0000004841	3.49	4.00	3.25
SRCPARAM L0007043	0.0000004841	3.49	4.00	3.25
SRCPARAM L0007044	0.0000004841	3.49	4.00	3.25
SRCPARAM L0007045	0.0000004841	3.49	4.00	3.25
SRCPARAM L0007046	0.0000004841	3.49	4.00	3.25
SRCPARAM L0007047	0.0000004841	3.49	4.00	3.25
SRCPARAM L0007048	0.0000004841	3.49	4.00	3.25
SRCPARAM L0007049	0.0000004841	3.49	4.00	3.25
SRCPARAM L0007050	0.0000004841	3.49	4.00	3.25

**

** LINE VOLUME SOURCE ID = SLINE41

SRCPARAM L0005853	0.000000674	3.49	4.00	3.25
SRCPARAM L0005854	0.000000674	3.49	4.00	3.25
SRCPARAM L0005855	0.000000674	3.49	4.00	3.25
SRCPARAM L0005856	0.000000674	3.49	4.00	3.25

**

** LINE VOLUME SOURCE ID = SLINE21

SRCPARAM L0005857	0.000000674	3.49	4.00	3.25
-------------------	-------------	------	------	------

11794 Ops HRA

SRCPARAM L0005858	0.000000674	3.49	4.00	3.25
SRCPARAM L0005859	0.000000674	3.49	4.00	3.25
SRCPARAM L0005860	0.000000674	3.49	4.00	3.25

**

** LINE VOLUME SOURCE ID = SLINE22

SRCPARAM L0005861	0.0000009513	3.49	4.00	3.25
SRCPARAM L0005862	0.0000009513	3.49	4.00	3.25
SRCPARAM L0005863	0.0000009513	3.49	4.00	3.25
SRCPARAM L0005864	0.0000009513	3.49	4.00	3.25

**

** LINE VOLUME SOURCE ID = SLINE23

SRCPARAM L0005865	0.0000001962	3.49	4.00	3.25
SRCPARAM L0005866	0.0000001962	3.49	4.00	3.25
SRCPARAM L0005867	0.0000001962	3.49	4.00	3.25
SRCPARAM L0005868	0.0000001962	3.49	4.00	3.25
SRCPARAM L0005869	0.0000001962	3.49	4.00	3.25
SRCPARAM L0005870	0.0000001962	3.49	4.00	3.25
SRCPARAM L0005871	0.0000001962	3.49	4.00	3.25
SRCPARAM L0005872	0.0000001962	3.49	4.00	3.25
SRCPARAM L0005873	0.0000001962	3.49	4.00	3.25
SRCPARAM L0005874	0.0000001962	3.49	4.00	3.25
SRCPARAM L0005875	0.0000001962	3.49	4.00	3.25
SRCPARAM L0005876	0.0000001962	3.49	4.00	3.25
SRCPARAM L0005877	0.0000001962	3.49	4.00	3.25
SRCPARAM L0005878	0.0000001962	3.49	4.00	3.25
SRCPARAM L0005879	0.0000001962	3.49	4.00	3.25
SRCPARAM L0005880	0.0000001962	3.49	4.00	3.25
SRCPARAM L0005881	0.0000001962	3.49	4.00	3.25
SRCPARAM L0005882	0.0000001962	3.49	4.00	3.25
SRCPARAM L0005883	0.0000001962	3.49	4.00	3.25
SRCPARAM L0005884	0.0000001962	3.49	4.00	3.25
SRCPARAM L0005885	0.0000001962	3.49	4.00	3.25
SRCPARAM L0005886	0.0000001962	3.49	4.00	3.25
SRCPARAM L0005887	0.0000001962	3.49	4.00	3.25
SRCPARAM L0005888	0.0000001962	3.49	4.00	3.25
SRCPARAM L0005889	0.0000001962	3.49	4.00	3.25
SRCPARAM L0005890	0.0000001962	3.49	4.00	3.25
SRCPARAM L0005891	0.0000001962	3.49	4.00	3.25
SRCPARAM L0005892	0.0000001962	3.49	4.00	3.25
SRCPARAM L0005893	0.0000001962	3.49	4.00	3.25
SRCPARAM L0005894	0.0000001962	3.49	4.00	3.25
SRCPARAM L0005895	0.0000001962	3.49	4.00	3.25
SRCPARAM L0005896	0.0000001962	3.49	4.00	3.25
SRCPARAM L0005897	0.0000001962	3.49	4.00	3.25
SRCPARAM L0005898	0.0000001962	3.49	4.00	3.25
SRCPARAM L0005899	0.0000001962	3.49	4.00	3.25
SRCPARAM L0005900	0.0000001962	3.49	4.00	3.25
SRCPARAM L0005901	0.0000001962	3.49	4.00	3.25

11794 Ops HRA

SRCPARAM L0005902	0.0000001962	3.49	4.00	3.25
SRCPARAM L0005903	0.0000001962	3.49	4.00	3.25
SRCPARAM L0005904	0.0000001962	3.49	4.00	3.25
SRCPARAM L0005905	0.0000001962	3.49	4.00	3.25
SRCPARAM L0005906	0.0000001962	3.49	4.00	3.25
SRCPARAM L0005907	0.0000001962	3.49	4.00	3.25
SRCPARAM L0005908	0.0000001962	3.49	4.00	3.25
SRCPARAM L0005909	0.0000001962	3.49	4.00	3.25
SRCPARAM L0005910	0.0000001962	3.49	4.00	3.25
SRCPARAM L0005911	0.0000001962	3.49	4.00	3.25
SRCPARAM L0005912	0.0000001962	3.49	4.00	3.25
SRCPARAM L0005913	0.0000001962	3.49	4.00	3.25
SRCPARAM L0005914	0.0000001962	3.49	4.00	3.25
SRCPARAM L0005915	0.0000001962	3.49	4.00	3.25
SRCPARAM L0005916	0.0000001962	3.49	4.00	3.25
SRCPARAM L0005917	0.0000001962	3.49	4.00	3.25
SRCPARAM L0005918	0.0000001962	3.49	4.00	3.25
SRCPARAM L0005919	0.0000001962	3.49	4.00	3.25
SRCPARAM L0005920	0.0000001962	3.49	4.00	3.25
SRCPARAM L0005921	0.0000001962	3.49	4.00	3.25
SRCPARAM L0005922	0.0000001962	3.49	4.00	3.25
SRCPARAM L0005923	0.0000001962	3.49	4.00	3.25
SRCPARAM L0005924	0.0000001962	3.49	4.00	3.25
SRCPARAM L0005925	0.0000001962	3.49	4.00	3.25
SRCPARAM L0005926	0.0000001962	3.49	4.00	3.25
SRCPARAM L0005927	0.0000001962	3.49	4.00	3.25
SRCPARAM L0005928	0.0000001962	3.49	4.00	3.25
SRCPARAM L0005929	0.0000001962	3.49	4.00	3.25

**

** LINE VOLUME SOURCE ID = SLINE24

SRCPARAM L0006992	0.0000002255	3.49	4.00	3.25
SRCPARAM L0006993	0.0000002255	3.49	4.00	3.25
SRCPARAM L0006994	0.0000002255	3.49	4.00	3.25
SRCPARAM L0006995	0.0000002255	3.49	4.00	3.25
SRCPARAM L0006996	0.0000002255	3.49	4.00	3.25
SRCPARAM L0006997	0.0000002255	3.49	4.00	3.25
SRCPARAM L0006998	0.0000002255	3.49	4.00	3.25
SRCPARAM L0006999	0.0000002255	3.49	4.00	3.25
SRCPARAM L0007000	0.0000002255	3.49	4.00	3.25
SRCPARAM L0007001	0.0000002255	3.49	4.00	3.25
SRCPARAM L0007002	0.0000002255	3.49	4.00	3.25
SRCPARAM L0007003	0.0000002255	3.49	4.00	3.25
SRCPARAM L0007004	0.0000002255	3.49	4.00	3.25
SRCPARAM L0007005	0.0000002255	3.49	4.00	3.25
SRCPARAM L0007006	0.0000002255	3.49	4.00	3.25
SRCPARAM L0007007	0.0000002255	3.49	4.00	3.25
SRCPARAM L0007008	0.0000002255	3.49	4.00	3.25
SRCPARAM L0007009	0.0000002255	3.49	4.00	3.25

11794 Ops HRA

SRCPARAM L0007010	0.0000002255	3.49	4.00	3.25
SRCPARAM L0007011	0.0000002255	3.49	4.00	3.25
SRCPARAM L0007012	0.0000002255	3.49	4.00	3.25
SRCPARAM L0007013	0.0000002255	3.49	4.00	3.25
SRCPARAM L0007014	0.0000002255	3.49	4.00	3.25
SRCPARAM L0007015	0.0000002255	3.49	4.00	3.25
SRCPARAM L0007016	0.0000002255	3.49	4.00	3.25
SRCPARAM L0007017	0.0000002255	3.49	4.00	3.25
SRCPARAM L0007018	0.0000002255	3.49	4.00	3.25
SRCPARAM L0007019	0.0000002255	3.49	4.00	3.25
SRCPARAM L0007020	0.0000002255	3.49	4.00	3.25
SRCPARAM L0007021	0.0000002255	3.49	4.00	3.25
SRCPARAM L0007022	0.0000002255	3.49	4.00	3.25
SRCPARAM L0007023	0.0000002255	3.49	4.00	3.25
SRCPARAM L0007024	0.0000002255	3.49	4.00	3.25
SRCPARAM L0007025	0.0000002255	3.49	4.00	3.25
SRCPARAM L0007026	0.0000002255	3.49	4.00	3.25
SRCPARAM L0007027	0.0000002255	3.49	4.00	3.25
SRCPARAM L0007028	0.0000002255	3.49	4.00	3.25
SRCPARAM L0007029	0.0000002255	3.49	4.00	3.25
SRCPARAM L0007030	0.0000002255	3.49	4.00	3.25
SRCPARAM L0007031	0.0000002255	3.49	4.00	3.25
SRCPARAM L0007032	0.0000002255	3.49	4.00	3.25
SRCPARAM L0007033	0.0000002255	3.49	4.00	3.25
SRCPARAM L0007034	0.0000002255	3.49	4.00	3.25
SRCPARAM L0007035	0.0000002255	3.49	4.00	3.25
SRCPARAM L0007036	0.0000002255	3.49	4.00	3.25
SRCPARAM L0007037	0.0000002255	3.49	4.00	3.25
SRCPARAM L0007038	0.0000002255	3.49	4.00	3.25
SRCPARAM L0007039	0.0000002255	3.49	4.00	3.25
SRCPARAM L0007040	0.0000002255	3.49	4.00	3.25

**

** LINE VOLUME SOURCE ID = SLINE25

SRCPARAM L0006941	0.00000039	3.49	4.00	3.25
SRCPARAM L0006942	0.00000039	3.49	4.00	3.25
SRCPARAM L0006943	0.00000039	3.49	4.00	3.25
SRCPARAM L0006944	0.00000039	3.49	4.00	3.25
SRCPARAM L0006945	0.00000039	3.49	4.00	3.25
SRCPARAM L0006946	0.00000039	3.49	4.00	3.25
SRCPARAM L0006947	0.00000039	3.49	4.00	3.25
SRCPARAM L0006948	0.00000039	3.49	4.00	3.25
SRCPARAM L0006949	0.00000039	3.49	4.00	3.25
SRCPARAM L0006950	0.00000039	3.49	4.00	3.25
SRCPARAM L0006951	0.00000039	3.49	4.00	3.25
SRCPARAM L0006952	0.00000039	3.49	4.00	3.25
SRCPARAM L0006953	0.00000039	3.49	4.00	3.25
SRCPARAM L0006954	0.00000039	3.49	4.00	3.25
SRCPARAM L0006955	0.00000039	3.49	4.00	3.25

11794 Ops HRA

SRCPARAM L0006956	0.00000039	3.49	4.00	3.25
SRCPARAM L0006957	0.00000039	3.49	4.00	3.25
SRCPARAM L0006958	0.00000039	3.49	4.00	3.25
SRCPARAM L0006959	0.00000039	3.49	4.00	3.25
SRCPARAM L0006960	0.00000039	3.49	4.00	3.25
SRCPARAM L0006961	0.00000039	3.49	4.00	3.25
SRCPARAM L0006962	0.00000039	3.49	4.00	3.25
SRCPARAM L0006963	0.00000039	3.49	4.00	3.25
SRCPARAM L0006964	0.00000039	3.49	4.00	3.25
SRCPARAM L0006965	0.00000039	3.49	4.00	3.25
SRCPARAM L0006966	0.00000039	3.49	4.00	3.25
SRCPARAM L0006967	0.00000039	3.49	4.00	3.25
SRCPARAM L0006968	0.00000039	3.49	4.00	3.25
SRCPARAM L0006969	0.00000039	3.49	4.00	3.25
SRCPARAM L0006970	0.00000039	3.49	4.00	3.25
SRCPARAM L0006971	0.00000039	3.49	4.00	3.25
SRCPARAM L0006972	0.00000039	3.49	4.00	3.25
SRCPARAM L0006973	0.00000039	3.49	4.00	3.25
SRCPARAM L0006974	0.00000039	3.49	4.00	3.25
SRCPARAM L0006975	0.00000039	3.49	4.00	3.25
SRCPARAM L0006976	0.00000039	3.49	4.00	3.25
SRCPARAM L0006977	0.00000039	3.49	4.00	3.25
SRCPARAM L0006978	0.00000039	3.49	4.00	3.25
SRCPARAM L0006979	0.00000039	3.49	4.00	3.25
SRCPARAM L0006980	0.00000039	3.49	4.00	3.25
SRCPARAM L0006981	0.00000039	3.49	4.00	3.25
SRCPARAM L0006982	0.00000039	3.49	4.00	3.25
SRCPARAM L0006983	0.00000039	3.49	4.00	3.25
SRCPARAM L0006984	0.00000039	3.49	4.00	3.25
SRCPARAM L0006985	0.00000039	3.49	4.00	3.25
SRCPARAM L0006986	0.00000039	3.49	4.00	3.25
SRCPARAM L0006987	0.00000039	3.49	4.00	3.25
SRCPARAM L0006988	0.00000039	3.49	4.00	3.25
SRCPARAM L0006989	0.00000039	3.49	4.00	3.25
SRCPARAM L0006990	0.00000039	3.49	4.00	3.25
SRCPARAM L0006991	0.00000039	3.49	4.00	3.25

**

** LINE VOLUME SOURCE ID = SLINE26

SRCPARAM L0006030	0.0000003059	3.40	4.00	3.16
SRCPARAM L0006031	0.0000003059	3.40	4.00	3.16
SRCPARAM L0006032	0.0000003059	3.40	4.00	3.16
SRCPARAM L0006033	0.0000003059	3.40	4.00	3.16
SRCPARAM L0006034	0.0000003059	3.40	4.00	3.16
SRCPARAM L0006035	0.0000003059	3.40	4.00	3.16
SRCPARAM L0006036	0.0000003059	3.40	4.00	3.16
SRCPARAM L0006037	0.0000003059	3.40	4.00	3.16
SRCPARAM L0006038	0.0000003059	3.40	4.00	3.16
SRCPARAM L0006039	0.0000003059	3.40	4.00	3.16

11794 0ps HRA

[illegible]

11794 Ops HRA

SRCPARAM L0006088	0.0000003059	3.40	4.00	3.16
SRCPARAM L0006089	0.0000003059	3.40	4.00	3.16
SRCPARAM L0006090	0.0000003059	3.40	4.00	3.16

**

** LINE VOLUME SOURCE ID = SLINE27

SRCPARAM L0006091	0.0000002285	3.40	4.00	3.16
SRCPARAM L0006092	0.0000002285	3.40	4.00	3.16
SRCPARAM L0006093	0.0000002285	3.40	4.00	3.16
SRCPARAM L0006094	0.0000002285	3.40	4.00	3.16
SRCPARAM L0006095	0.0000002285	3.40	4.00	3.16
SRCPARAM L0006096	0.0000002285	3.40	4.00	3.16
SRCPARAM L0006097	0.0000002285	3.40	4.00	3.16
SRCPARAM L0006098	0.0000002285	3.40	4.00	3.16
SRCPARAM L0006099	0.0000002285	3.40	4.00	3.16
SRCPARAM L0006100	0.0000002285	3.40	4.00	3.16
SRCPARAM L0006101	0.0000002285	3.40	4.00	3.16
SRCPARAM L0006102	0.0000002285	3.40	4.00	3.16
SRCPARAM L0006103	0.0000002285	3.40	4.00	3.16
SRCPARAM L0006104	0.0000002285	3.40	4.00	3.16
SRCPARAM L0006105	0.0000002285	3.40	4.00	3.16
SRCPARAM L0006106	0.0000002285	3.40	4.00	3.16
SRCPARAM L0006107	0.0000002285	3.40	4.00	3.16
SRCPARAM L0006108	0.0000002285	3.40	4.00	3.16
SRCPARAM L0006109	0.0000002285	3.40	4.00	3.16
SRCPARAM L0006110	0.0000002285	3.40	4.00	3.16
SRCPARAM L0006111	0.0000002285	3.40	4.00	3.16
SRCPARAM L0006112	0.0000002285	3.40	4.00	3.16
SRCPARAM L0006113	0.0000002285	3.40	4.00	3.16
SRCPARAM L0006114	0.0000002285	3.40	4.00	3.16
SRCPARAM L0006115	0.0000002285	3.40	4.00	3.16
SRCPARAM L0006116	0.0000002285	3.40	4.00	3.16
SRCPARAM L0006117	0.0000002285	3.40	4.00	3.16
SRCPARAM L0006118	0.0000002285	3.40	4.00	3.16
SRCPARAM L0006119	0.0000002285	3.40	4.00	3.16
SRCPARAM L0006120	0.0000002285	3.40	4.00	3.16
SRCPARAM L0006121	0.0000002285	3.40	4.00	3.16
SRCPARAM L0006122	0.0000002285	3.40	4.00	3.16
SRCPARAM L0006123	0.0000002285	3.40	4.00	3.16
SRCPARAM L0006124	0.0000002285	3.40	4.00	3.16
SRCPARAM L0006125	0.0000002285	3.40	4.00	3.16
SRCPARAM L0006126	0.0000002285	3.40	4.00	3.16
SRCPARAM L0006127	0.0000002285	3.40	4.00	3.16
SRCPARAM L0006128	0.0000002285	3.40	4.00	3.16
SRCPARAM L0006129	0.0000002285	3.40	4.00	3.16
SRCPARAM L0006130	0.0000002285	3.40	4.00	3.16
SRCPARAM L0006131	0.0000002285	3.40	4.00	3.16
SRCPARAM L0006132	0.0000002285	3.40	4.00	3.16
SRCPARAM L0006133	0.0000002285	3.40	4.00	3.16

11794 Ops HRA

SRCPARAM L0006134	0.0000002285	3.40	4.00	3.16
SRCPARAM L0006135	0.0000002285	3.40	4.00	3.16
SRCPARAM L0006136	0.0000002285	3.40	4.00	3.16
SRCPARAM L0006137	0.0000002285	3.40	4.00	3.16
SRCPARAM L0006138	0.0000002285	3.40	4.00	3.16
SRCPARAM L0006139	0.0000002285	3.40	4.00	3.16
SRCPARAM L0006140	0.0000002285	3.40	4.00	3.16
SRCPARAM L0006141	0.0000002285	3.40	4.00	3.16
SRCPARAM L0006142	0.0000002285	3.40	4.00	3.16
SRCPARAM L0006143	0.0000002285	3.40	4.00	3.16
SRCPARAM L0006144	0.0000002285	3.40	4.00	3.16
SRCPARAM L0006145	0.0000002285	3.40	4.00	3.16
SRCPARAM L0006146	0.0000002285	3.40	4.00	3.16
SRCPARAM L0006147	0.0000002285	3.40	4.00	3.16
SRCPARAM L0006148	0.0000002285	3.40	4.00	3.16
SRCPARAM L0006149	0.0000002285	3.40	4.00	3.16
SRCPARAM L0006150	0.0000002285	3.40	4.00	3.16
SRCPARAM L0006151	0.0000002285	3.40	4.00	3.16

**

** LINE VOLUME SOURCE ID = SLINE28

SRCPARAM L0006152	0.0000001689	3.49	4.00	3.25
SRCPARAM L0006153	0.0000001689	3.49	4.00	3.25
SRCPARAM L0006154	0.0000001689	3.49	4.00	3.25
SRCPARAM L0006155	0.0000001689	3.49	4.00	3.25
SRCPARAM L0006156	0.0000001689	3.49	4.00	3.25
SRCPARAM L0006157	0.0000001689	3.49	4.00	3.25
SRCPARAM L0006158	0.0000001689	3.49	4.00	3.25
SRCPARAM L0006159	0.0000001689	3.49	4.00	3.25
SRCPARAM L0006160	0.0000001689	3.49	4.00	3.25
SRCPARAM L0006161	0.0000001689	3.49	4.00	3.25
SRCPARAM L0006162	0.0000001689	3.49	4.00	3.25
SRCPARAM L0006163	0.0000001689	3.49	4.00	3.25
SRCPARAM L0006164	0.0000001689	3.49	4.00	3.25
SRCPARAM L0006165	0.0000001689	3.49	4.00	3.25
SRCPARAM L0006166	0.0000001689	3.49	4.00	3.25
SRCPARAM L0006167	0.0000001689	3.49	4.00	3.25
SRCPARAM L0006168	0.0000001689	3.49	4.00	3.25
SRCPARAM L0006169	0.0000001689	3.49	4.00	3.25
SRCPARAM L0006170	0.0000001689	3.49	4.00	3.25
SRCPARAM L0006171	0.0000001689	3.49	4.00	3.25
SRCPARAM L0006172	0.0000001689	3.49	4.00	3.25
SRCPARAM L0006173	0.0000001689	3.49	4.00	3.25
SRCPARAM L0006174	0.0000001689	3.49	4.00	3.25
SRCPARAM L0006175	0.0000001689	3.49	4.00	3.25
SRCPARAM L0006176	0.0000001689	3.49	4.00	3.25
SRCPARAM L0006177	0.0000001689	3.49	4.00	3.25

**

** LINE VOLUME SOURCE ID = SLINE32

11794 Ops HRA

SRCPARAM L0006178	0.000000233	3.49	4.00	3.25
SRCPARAM L0006179	0.000000233	3.49	4.00	3.25
SRCPARAM L0006180	0.000000233	3.49	4.00	3.25
SRCPARAM L0006181	0.000000233	3.49	4.00	3.25
SRCPARAM L0006182	0.000000233	3.49	4.00	3.25
SRCPARAM L0006183	0.000000233	3.49	4.00	3.25
SRCPARAM L0006184	0.000000233	3.49	4.00	3.25
SRCPARAM L0006185	0.000000233	3.49	4.00	3.25
SRCPARAM L0006186	0.000000233	3.49	4.00	3.25
SRCPARAM L0006187	0.000000233	3.49	4.00	3.25
SRCPARAM L0006188	0.000000233	3.49	4.00	3.25
SRCPARAM L0006189	0.000000233	3.49	4.00	3.25
SRCPARAM L0006190	0.000000233	3.49	4.00	3.25
SRCPARAM L0006191	0.000000233	3.49	4.00	3.25
SRCPARAM L0006192	0.000000233	3.49	4.00	3.25
SRCPARAM L0006193	0.000000233	3.49	4.00	3.25
SRCPARAM L0006194	0.000000233	3.49	4.00	3.25
SRCPARAM L0006195	0.000000233	3.49	4.00	3.25
SRCPARAM L0006196	0.000000233	3.49	4.00	3.25
SRCPARAM L0006197	0.000000233	3.49	4.00	3.25
SRCPARAM L0006198	0.000000233	3.49	4.00	3.25
SRCPARAM L0006199	0.000000233	3.49	4.00	3.25
SRCPARAM L0006200	0.000000233	3.49	4.00	3.25
SRCPARAM L0006201	0.000000233	3.49	4.00	3.25
SRCPARAM L0006202	0.000000233	3.49	4.00	3.25
SRCPARAM L0006203	0.000000233	3.49	4.00	3.25
SRCPARAM L0006204	0.000000233	3.49	4.00	3.25

**

** LINE VOLUME SOURCE ID = SLINE31

SRCPARAM L0006205	0.0000002656	3.49	4.00	3.25
SRCPARAM L0006206	0.0000002656	3.49	4.00	3.25
SRCPARAM L0006207	0.0000002656	3.49	4.00	3.25
SRCPARAM L0006208	0.0000002656	3.49	4.00	3.25
SRCPARAM L0006209	0.0000002656	3.49	4.00	3.25
SRCPARAM L0006210	0.0000002656	3.49	4.00	3.25
SRCPARAM L0006211	0.0000002656	3.49	4.00	3.25
SRCPARAM L0006212	0.0000002656	3.49	4.00	3.25
SRCPARAM L0006213	0.0000002656	3.49	4.00	3.25
SRCPARAM L0006214	0.0000002656	3.49	4.00	3.25
SRCPARAM L0006215	0.0000002656	3.49	4.00	3.25
SRCPARAM L0006216	0.0000002656	3.49	4.00	3.25
SRCPARAM L0006217	0.0000002656	3.49	4.00	3.25
SRCPARAM L0006218	0.0000002656	3.49	4.00	3.25
SRCPARAM L0006219	0.0000002656	3.49	4.00	3.25
SRCPARAM L0006220	0.0000002656	3.49	4.00	3.25
SRCPARAM L0006221	0.0000002656	3.49	4.00	3.25
SRCPARAM L0006222	0.0000002656	3.49	4.00	3.25
SRCPARAM L0006223	0.0000002656	3.49	4.00	3.25

11794 Ops HRA

SRCPARAM L0006224	0.0000002656	3.49	4.00	3.25
SRCPARAM L0006225	0.0000002656	3.49	4.00	3.25
SRCPARAM L0006226	0.0000002656	3.49	4.00	3.25
SRCPARAM L0006227	0.0000002656	3.49	4.00	3.25
SRCPARAM L0006228	0.0000002656	3.49	4.00	3.25
SRCPARAM L0006229	0.0000002656	3.49	4.00	3.25

**

** LINE VOLUME SOURCE ID = SLINE30

SRCPARAM L0006230	0.0000002769	3.49	4.00	3.25
SRCPARAM L0006231	0.0000002769	3.49	4.00	3.25
SRCPARAM L0006232	0.0000002769	3.49	4.00	3.25
SRCPARAM L0006233	0.0000002769	3.49	4.00	3.25
SRCPARAM L0006234	0.0000002769	3.49	4.00	3.25
SRCPARAM L0006235	0.0000002769	3.49	4.00	3.25
SRCPARAM L0006236	0.0000002769	3.49	4.00	3.25
SRCPARAM L0006237	0.0000002769	3.49	4.00	3.25
SRCPARAM L0006238	0.0000002769	3.49	4.00	3.25
SRCPARAM L0006239	0.0000002769	3.49	4.00	3.25
SRCPARAM L0006240	0.0000002769	3.49	4.00	3.25
SRCPARAM L0006241	0.0000002769	3.49	4.00	3.25
SRCPARAM L0006242	0.0000002769	3.49	4.00	3.25
SRCPARAM L0006243	0.0000002769	3.49	4.00	3.25
SRCPARAM L0006244	0.0000002769	3.49	4.00	3.25
SRCPARAM L0006245	0.0000002769	3.49	4.00	3.25
SRCPARAM L0006246	0.0000002769	3.49	4.00	3.25
SRCPARAM L0006247	0.0000002769	3.49	4.00	3.25
SRCPARAM L0006248	0.0000002769	3.49	4.00	3.25
SRCPARAM L0006249	0.0000002769	3.49	4.00	3.25
SRCPARAM L0006250	0.0000002769	3.49	4.00	3.25
SRCPARAM L0006251	0.0000002769	3.49	4.00	3.25
SRCPARAM L0006252	0.0000002769	3.49	4.00	3.25
SRCPARAM L0006253	0.0000002769	3.49	4.00	3.25
SRCPARAM L0006254	0.0000002769	3.49	4.00	3.25
SRCPARAM L0006255	0.0000002769	3.49	4.00	3.25
SRCPARAM L0006256	0.0000002769	3.49	4.00	3.25
SRCPARAM L0006257	0.0000002769	3.49	4.00	3.25
SRCPARAM L0006258	0.0000002769	3.49	4.00	3.25
SRCPARAM L0006259	0.0000002769	3.49	4.00	3.25

**

** LINE VOLUME SOURCE ID = SLINE29

SRCPARAM L0006260	0.0000001595	3.49	4.00	3.25
SRCPARAM L0006261	0.0000001595	3.49	4.00	3.25
SRCPARAM L0006262	0.0000001595	3.49	4.00	3.25
SRCPARAM L0006263	0.0000001595	3.49	4.00	3.25
SRCPARAM L0006264	0.0000001595	3.49	4.00	3.25
SRCPARAM L0006265	0.0000001595	3.49	4.00	3.25
SRCPARAM L0006266	0.0000001595	3.49	4.00	3.25
SRCPARAM L0006267	0.0000001595	3.49	4.00	3.25

11794 Ops HRA

SRCPARAM L0006268	0.0000001595	3.49	4.00	3.25
SRCPARAM L0006269	0.0000001595	3.49	4.00	3.25
SRCPARAM L0006270	0.0000001595	3.49	4.00	3.25
SRCPARAM L0006271	0.0000001595	3.49	4.00	3.25
SRCPARAM L0006272	0.0000001595	3.49	4.00	3.25
SRCPARAM L0006273	0.0000001595	3.49	4.00	3.25
SRCPARAM L0006274	0.0000001595	3.49	4.00	3.25
SRCPARAM L0006275	0.0000001595	3.49	4.00	3.25
SRCPARAM L0006276	0.0000001595	3.49	4.00	3.25
SRCPARAM L0006277	0.0000001595	3.49	4.00	3.25
SRCPARAM L0006278	0.0000001595	3.49	4.00	3.25
SRCPARAM L0006279	0.0000001595	3.49	4.00	3.25
SRCPARAM L0006280	0.0000001595	3.49	4.00	3.25

**

** LINE VOLUME SOURCE ID = SLINE44

SRCPARAM L0006281	0.0000001567	3.49	4.00	3.25
SRCPARAM L0006282	0.0000001567	3.49	4.00	3.25
SRCPARAM L0006283	0.0000001567	3.49	4.00	3.25
SRCPARAM L0006284	0.0000001567	3.49	4.00	3.25
SRCPARAM L0006285	0.0000001567	3.49	4.00	3.25
SRCPARAM L0006286	0.0000001567	3.49	4.00	3.25
SRCPARAM L0006287	0.0000001567	3.49	4.00	3.25
SRCPARAM L0006288	0.0000001567	3.49	4.00	3.25
SRCPARAM L0006289	0.0000001567	3.49	4.00	3.25
SRCPARAM L0006290	0.0000001567	3.49	4.00	3.25
SRCPARAM L0006291	0.0000001567	3.49	4.00	3.25
SRCPARAM L0006292	0.0000001567	3.49	4.00	3.25
SRCPARAM L0006293	0.0000001567	3.49	4.00	3.25
SRCPARAM L0006294	0.0000001567	3.49	4.00	3.25
SRCPARAM L0006295	0.0000001567	3.49	4.00	3.25
SRCPARAM L0006296	0.0000001567	3.49	4.00	3.25
SRCPARAM L0006297	0.0000001567	3.49	4.00	3.25
SRCPARAM L0006298	0.0000001567	3.49	4.00	3.25
SRCPARAM L0006299	0.0000001567	3.49	4.00	3.25
SRCPARAM L0006300	0.0000001567	3.49	4.00	3.25
SRCPARAM L0006301	0.0000001567	3.49	4.00	3.25
SRCPARAM L0006302	0.0000001567	3.49	4.00	3.25
SRCPARAM L0006303	0.0000001567	3.49	4.00	3.25
SRCPARAM L0006304	0.0000001567	3.49	4.00	3.25
SRCPARAM L0006305	0.0000001567	3.49	4.00	3.25

**

** LINE VOLUME SOURCE ID = SLINE33

SRCPARAM L0006306	0.0000001393	3.49	4.00	3.25
SRCPARAM L0006307	0.0000001393	3.49	4.00	3.25
SRCPARAM L0006308	0.0000001393	3.49	4.00	3.25
SRCPARAM L0006309	0.0000001393	3.49	4.00	3.25
SRCPARAM L0006310	0.0000001393	3.49	4.00	3.25
SRCPARAM L0006311	0.0000001393	3.49	4.00	3.25

11794 Ops HRA

SRCPARAM L0006312	0.0000001393	3.49	4.00	3.25
SRCPARAM L0006313	0.0000001393	3.49	4.00	3.25
SRCPARAM L0006314	0.0000001393	3.49	4.00	3.25
SRCPARAM L0006315	0.0000001393	3.49	4.00	3.25
SRCPARAM L0006316	0.0000001393	3.49	4.00	3.25

**

** LINE VOLUME SOURCE ID = SLINE43

SRCPARAM L0006317	0.0000001931	3.49	4.00	3.25
SRCPARAM L0006318	0.0000001931	3.49	4.00	3.25
SRCPARAM L0006319	0.0000001931	3.49	4.00	3.25
SRCPARAM L0006320	0.0000001931	3.49	4.00	3.25
SRCPARAM L0006321	0.0000001931	3.49	4.00	3.25
SRCPARAM L0006322	0.0000001931	3.49	4.00	3.25
SRCPARAM L0006323	0.0000001931	3.49	4.00	3.25
SRCPARAM L0006324	0.0000001931	3.49	4.00	3.25
SRCPARAM L0006325	0.0000001931	3.49	4.00	3.25
SRCPARAM L0006326	0.0000001931	3.49	4.00	3.25
SRCPARAM L0006327	0.0000001931	3.49	4.00	3.25
SRCPARAM L0006328	0.0000001931	3.49	4.00	3.25
SRCPARAM L0006329	0.0000001931	3.49	4.00	3.25
SRCPARAM L0006330	0.0000001931	3.49	4.00	3.25
SRCPARAM L0006331	0.0000001931	3.49	4.00	3.25
SRCPARAM L0006332	0.0000001931	3.49	4.00	3.25
SRCPARAM L0006333	0.0000001931	3.49	4.00	3.25
SRCPARAM L0006334	0.0000001931	3.49	4.00	3.25
SRCPARAM L0006335	0.0000001931	3.49	4.00	3.25
SRCPARAM L0006336	0.0000001931	3.49	4.00	3.25
SRCPARAM L0006337	0.0000001931	3.49	4.00	3.25
SRCPARAM L0006338	0.0000001931	3.49	4.00	3.25
SRCPARAM L0006339	0.0000001931	3.49	4.00	3.25
SRCPARAM L0006340	0.0000001931	3.49	4.00	3.25
SRCPARAM L0006341	0.0000001931	3.49	4.00	3.25
SRCPARAM L0006342	0.0000001931	3.49	4.00	3.25
SRCPARAM L0006343	0.0000001931	3.49	4.00	3.25
SRCPARAM L0006344	0.0000001931	3.49	4.00	3.25
SRCPARAM L0006345	0.0000001931	3.49	4.00	3.25
SRCPARAM L0006346	0.0000001931	3.49	4.00	3.25
SRCPARAM L0006347	0.0000001931	3.49	4.00	3.25
SRCPARAM L0006348	0.0000001931	3.49	4.00	3.25
SRCPARAM L0006349	0.0000001931	3.49	4.00	3.25
SRCPARAM L0006350	0.0000001931	3.49	4.00	3.25
SRCPARAM L0006351	0.0000001931	3.49	4.00	3.25
SRCPARAM L0006352	0.0000001931	3.49	4.00	3.25
SRCPARAM L0006353	0.0000001931	3.49	4.00	3.25

**

** LINE VOLUME SOURCE ID = SLINE34

SRCPARAM L0006898	0.0000001673	3.49	4.00	3.25
SRCPARAM L0006899	0.0000001673	3.49	4.00	3.25

11794 Ops HRA

SRCPARAM L0006900	0.0000001673	3.49	4.00	3.25
SRCPARAM L0006901	0.0000001673	3.49	4.00	3.25
SRCPARAM L0006902	0.0000001673	3.49	4.00	3.25
SRCPARAM L0006903	0.0000001673	3.49	4.00	3.25
SRCPARAM L0006904	0.0000001673	3.49	4.00	3.25
SRCPARAM L0006905	0.0000001673	3.49	4.00	3.25
SRCPARAM L0006906	0.0000001673	3.49	4.00	3.25
SRCPARAM L0006907	0.0000001673	3.49	4.00	3.25
SRCPARAM L0006908	0.0000001673	3.49	4.00	3.25
SRCPARAM L0006909	0.0000001673	3.49	4.00	3.25
SRCPARAM L0006910	0.0000001673	3.49	4.00	3.25
SRCPARAM L0006911	0.0000001673	3.49	4.00	3.25
SRCPARAM L0006912	0.0000001673	3.49	4.00	3.25
SRCPARAM L0006913	0.0000001673	3.49	4.00	3.25
SRCPARAM L0006914	0.0000001673	3.49	4.00	3.25
SRCPARAM L0006915	0.0000001673	3.49	4.00	3.25
SRCPARAM L0006916	0.0000001673	3.49	4.00	3.25
SRCPARAM L0006917	0.0000001673	3.49	4.00	3.25
SRCPARAM L0006918	0.0000001673	3.49	4.00	3.25
SRCPARAM L0006919	0.0000001673	3.49	4.00	3.25
SRCPARAM L0006920	0.0000001673	3.49	4.00	3.25
SRCPARAM L0006921	0.0000001673	3.49	4.00	3.25
SRCPARAM L0006922	0.0000001673	3.49	4.00	3.25
SRCPARAM L0006923	0.0000001673	3.49	4.00	3.25
SRCPARAM L0006924	0.0000001673	3.49	4.00	3.25
SRCPARAM L0006925	0.0000001673	3.49	4.00	3.25
SRCPARAM L0006926	0.0000001673	3.49	4.00	3.25
SRCPARAM L0006927	0.0000001673	3.49	4.00	3.25
SRCPARAM L0006928	0.0000001673	3.49	4.00	3.25
SRCPARAM L0006929	0.0000001673	3.49	4.00	3.25
SRCPARAM L0006930	0.0000001673	3.49	4.00	3.25
SRCPARAM L0006931	0.0000001673	3.49	4.00	3.25
SRCPARAM L0006932	0.0000001673	3.49	4.00	3.25
SRCPARAM L0006933	0.0000001673	3.49	4.00	3.25
SRCPARAM L0006934	0.0000001673	3.49	4.00	3.25
SRCPARAM L0006935	0.0000001673	3.49	4.00	3.25
SRCPARAM L0006936	0.0000001673	3.49	4.00	3.25
SRCPARAM L0006937	0.0000001673	3.49	4.00	3.25
SRCPARAM L0006938	0.0000001673	3.49	4.00	3.25
SRCPARAM L0006939	0.0000001673	3.49	4.00	3.25
SRCPARAM L0006940	0.0000001673	3.49	4.00	3.25

**

** LINE VOLUME SOURCE ID = SLINE42

SRCPARAM L0006855	0.0000001353	3.49	4.00	3.25
SRCPARAM L0006856	0.0000001353	3.49	4.00	3.25
SRCPARAM L0006857	0.0000001353	3.49	4.00	3.25
SRCPARAM L0006858	0.0000001353	3.49	4.00	3.25
SRCPARAM L0006859	0.0000001353	3.49	4.00	3.25

11794 Ops HRA

SRCPARAM L0006860	0.0000001353	3.49	4.00	3.25
SRCPARAM L0006861	0.0000001353	3.49	4.00	3.25
SRCPARAM L0006862	0.0000001353	3.49	4.00	3.25
SRCPARAM L0006863	0.0000001353	3.49	4.00	3.25
SRCPARAM L0006864	0.0000001353	3.49	4.00	3.25
SRCPARAM L0006865	0.0000001353	3.49	4.00	3.25
SRCPARAM L0006866	0.0000001353	3.49	4.00	3.25
SRCPARAM L0006867	0.0000001353	3.49	4.00	3.25
SRCPARAM L0006868	0.0000001353	3.49	4.00	3.25
SRCPARAM L0006869	0.0000001353	3.49	4.00	3.25
SRCPARAM L0006870	0.0000001353	3.49	4.00	3.25
SRCPARAM L0006871	0.0000001353	3.49	4.00	3.25
SRCPARAM L0006872	0.0000001353	3.49	4.00	3.25
SRCPARAM L0006873	0.0000001353	3.49	4.00	3.25
SRCPARAM L0006874	0.0000001353	3.49	4.00	3.25
SRCPARAM L0006875	0.0000001353	3.49	4.00	3.25
SRCPARAM L0006876	0.0000001353	3.49	4.00	3.25
SRCPARAM L0006877	0.0000001353	3.49	4.00	3.25
SRCPARAM L0006878	0.0000001353	3.49	4.00	3.25
SRCPARAM L0006879	0.0000001353	3.49	4.00	3.25
SRCPARAM L0006880	0.0000001353	3.49	4.00	3.25
SRCPARAM L0006881	0.0000001353	3.49	4.00	3.25
SRCPARAM L0006882	0.0000001353	3.49	4.00	3.25
SRCPARAM L0006883	0.0000001353	3.49	4.00	3.25
SRCPARAM L0006884	0.0000001353	3.49	4.00	3.25
SRCPARAM L0006885	0.0000001353	3.49	4.00	3.25
SRCPARAM L0006886	0.0000001353	3.49	4.00	3.25
SRCPARAM L0006887	0.0000001353	3.49	4.00	3.25
SRCPARAM L0006888	0.0000001353	3.49	4.00	3.25
SRCPARAM L0006889	0.0000001353	3.49	4.00	3.25
SRCPARAM L0006890	0.0000001353	3.49	4.00	3.25
SRCPARAM L0006891	0.0000001353	3.49	4.00	3.25
SRCPARAM L0006892	0.0000001353	3.49	4.00	3.25
SRCPARAM L0006893	0.0000001353	3.49	4.00	3.25
SRCPARAM L0006894	0.0000001353	3.49	4.00	3.25
SRCPARAM L0006895	0.0000001353	3.49	4.00	3.25
SRCPARAM L0006896	0.0000001353	3.49	4.00	3.25
SRCPARAM L0006897	0.0000001353	3.49	4.00	3.25

**

** LINE VOLUME SOURCE ID = SLINE35

SRCPARAM L0006440	0.0000008275	3.49	4.00	3.25
SRCPARAM L0006441	0.0000008275	3.49	4.00	3.25
SRCPARAM L0006442	0.0000008275	3.49	4.00	3.25
SRCPARAM L0006443	0.0000008275	3.49	4.00	3.25
SRCPARAM L0006444	0.0000008275	3.49	4.00	3.25
SRCPARAM L0006445	0.0000008275	3.49	4.00	3.25
SRCPARAM L0006446	0.0000008275	3.49	4.00	3.25
SRCPARAM L0006447	0.0000008275	3.49	4.00	3.25

11794 Ops HRA

SRCPARAM L0006448	0.0000008275	3.49	4.00	3.25
SRCPARAM L0006449	0.0000008275	3.49	4.00	3.25
SRCPARAM L0006450	0.0000008275	3.49	4.00	3.25
SRCPARAM L0006451	0.0000008275	3.49	4.00	3.25
SRCPARAM L0006452	0.0000008275	3.49	4.00	3.25
SRCPARAM L0006453	0.0000008275	3.49	4.00	3.25
SRCPARAM L0006454	0.0000008275	3.49	4.00	3.25
SRCPARAM L0006455	0.0000008275	3.49	4.00	3.25
SRCPARAM L0006456	0.0000008275	3.49	4.00	3.25
SRCPARAM L0006457	0.0000008275	3.49	4.00	3.25
SRCPARAM L0006458	0.0000008275	3.49	4.00	3.25
SRCPARAM L0006459	0.0000008275	3.49	4.00	3.25
SRCPARAM L0006460	0.0000008275	3.49	4.00	3.25
SRCPARAM L0006461	0.0000008275	3.49	4.00	3.25
SRCPARAM L0006462	0.0000008275	3.49	4.00	3.25
SRCPARAM L0006463	0.0000008275	3.49	4.00	3.25
SRCPARAM L0006464	0.0000008275	3.49	4.00	3.25
SRCPARAM L0006465	0.0000008275	3.49	4.00	3.25
SRCPARAM L0006466	0.0000008275	3.49	4.00	3.25
SRCPARAM L0006467	0.0000008275	3.49	4.00	3.25
SRCPARAM L0006468	0.0000008275	3.49	4.00	3.25
SRCPARAM L0006469	0.0000008275	3.49	4.00	3.25
SRCPARAM L0006470	0.0000008275	3.49	4.00	3.25
SRCPARAM L0006471	0.0000008275	3.49	4.00	3.25
SRCPARAM L0006472	0.0000008275	3.49	4.00	3.25
SRCPARAM L0006473	0.0000008275	3.49	4.00	3.25
SRCPARAM L0006474	0.0000008275	3.49	4.00	3.25
SRCPARAM L0006475	0.0000008275	3.49	4.00	3.25
SRCPARAM L0006476	0.0000008275	3.49	4.00	3.25
SRCPARAM L0006477	0.0000008275	3.49	4.00	3.25
SRCPARAM L0006478	0.0000008275	3.49	4.00	3.25
SRCPARAM L0006479	0.0000008275	3.49	4.00	3.25
SRCPARAM L0006480	0.0000008275	3.49	4.00	3.25
SRCPARAM L0006481	0.0000008275	3.49	4.00	3.25
SRCPARAM L0006482	0.0000008275	3.49	4.00	3.25
SRCPARAM L0006483	0.0000008275	3.49	4.00	3.25
SRCPARAM L0006484	0.0000008275	3.49	4.00	3.25
SRCPARAM L0006485	0.0000008275	3.49	4.00	3.25
SRCPARAM L0006486	0.0000008275	3.49	4.00	3.25
SRCPARAM L0006487	0.0000008275	3.49	4.00	3.25
SRCPARAM L0006488	0.0000008275	3.49	4.00	3.25
SRCPARAM L0006489	0.0000008275	3.49	4.00	3.25
SRCPARAM L0006490	0.0000008275	3.49	4.00	3.25
SRCPARAM L0006491	0.0000008275	3.49	4.00	3.25

**

** LINE VOLUME SOURCE ID = SLINE36

SRCPARAM L0006492	0.0000004423	3.49	4.00	3.25
SRCPARAM L0006493	0.0000004423	3.49	4.00	3.25

11794 Ops HRA

SRCPARAM L0006494	0.0000004423	3.49	4.00	3.25
SRCPARAM L0006495	0.0000004423	3.49	4.00	3.25
SRCPARAM L0006496	0.0000004423	3.49	4.00	3.25
SRCPARAM L0006497	0.0000004423	3.49	4.00	3.25
SRCPARAM L0006498	0.0000004423	3.49	4.00	3.25
SRCPARAM L0006499	0.0000004423	3.49	4.00	3.25
SRCPARAM L0006500	0.0000004423	3.49	4.00	3.25
SRCPARAM L0006501	0.0000004423	3.49	4.00	3.25
SRCPARAM L0006502	0.0000004423	3.49	4.00	3.25
SRCPARAM L0006503	0.0000004423	3.49	4.00	3.25
SRCPARAM L0006504	0.0000004423	3.49	4.00	3.25
SRCPARAM L0006505	0.0000004423	3.49	4.00	3.25
SRCPARAM L0006506	0.0000004423	3.49	4.00	3.25
SRCPARAM L0006507	0.0000004423	3.49	4.00	3.25
SRCPARAM L0006508	0.0000004423	3.49	4.00	3.25
SRCPARAM L0006509	0.0000004423	3.49	4.00	3.25
SRCPARAM L0006510	0.0000004423	3.49	4.00	3.25
SRCPARAM L0006511	0.0000004423	3.49	4.00	3.25
SRCPARAM L0006512	0.0000004423	3.49	4.00	3.25
SRCPARAM L0006513	0.0000004423	3.49	4.00	3.25
SRCPARAM L0006514	0.0000004423	3.49	4.00	3.25
SRCPARAM L0006515	0.0000004423	3.49	4.00	3.25
SRCPARAM L0006516	0.0000004423	3.49	4.00	3.25
SRCPARAM L0006517	0.0000004423	3.49	4.00	3.25
SRCPARAM L0006518	0.0000004423	3.49	4.00	3.25
SRCPARAM L0006519	0.0000004423	3.49	4.00	3.25
SRCPARAM L0006520	0.0000004423	3.49	4.00	3.25
SRCPARAM L0006521	0.0000004423	3.49	4.00	3.25
SRCPARAM L0006522	0.0000004423	3.49	4.00	3.25
SRCPARAM L0006523	0.0000004423	3.49	4.00	3.25
SRCPARAM L0006524	0.0000004423	3.49	4.00	3.25
SRCPARAM L0006525	0.0000004423	3.49	4.00	3.25
SRCPARAM L0006526	0.0000004423	3.49	4.00	3.25
SRCPARAM L0006527	0.0000004423	3.49	4.00	3.25
SRCPARAM L0006528	0.0000004423	3.49	4.00	3.25
SRCPARAM L0006529	0.0000004423	3.49	4.00	3.25
SRCPARAM L0006530	0.0000004423	3.49	4.00	3.25
SRCPARAM L0006531	0.0000004423	3.49	4.00	3.25
SRCPARAM L0006532	0.0000004423	3.49	4.00	3.25
SRCPARAM L0006533	0.0000004423	3.49	4.00	3.25
SRCPARAM L0006534	0.0000004423	3.49	4.00	3.25

**

** LINE VOLUME SOURCE ID = SLINE37

SRCPARAM L0006535	0.000001184	3.49	12.09	3.25
SRCPARAM L0006536	0.000001184	3.49	12.09	3.25
SRCPARAM L0006537	0.000001184	3.49	12.09	3.25
SRCPARAM L0006538	0.000001184	3.49	12.09	3.25
SRCPARAM L0006539	0.000001184	3.49	12.09	3.25

11794 Ops HRA

SRCPARAM L0006540	0.000001184	3.49	12.09	3.25
SRCPARAM L0006541	0.000001184	3.49	12.09	3.25
SRCPARAM L0006542	0.000001184	3.49	12.09	3.25
SRCPARAM L0006543	0.000001184	3.49	12.09	3.25
SRCPARAM L0006544	0.000001184	3.49	12.09	3.25
SRCPARAM L0006545	0.000001184	3.49	12.09	3.25
SRCPARAM L0006546	0.000001184	3.49	12.09	3.25
SRCPARAM L0006547	0.000001184	3.49	12.09	3.25
SRCPARAM L0006548	0.000001184	3.49	12.09	3.25
SRCPARAM L0006549	0.000001184	3.49	12.09	3.25
SRCPARAM L0006550	0.000001184	3.49	12.09	3.25
SRCPARAM L0006551	0.000001184	3.49	12.09	3.25
SRCPARAM L0006552	0.000001184	3.49	12.09	3.25
SRCPARAM L0006553	0.000001184	3.49	12.09	3.25
SRCPARAM L0006554	0.000001184	3.49	12.09	3.25
SRCPARAM L0006555	0.000001184	3.49	12.09	3.25
SRCPARAM L0006556	0.000001184	3.49	12.09	3.25
SRCPARAM L0006557	0.000001184	3.49	12.09	3.25
SRCPARAM L0006558	0.000001184	3.49	12.09	3.25
SRCPARAM L0006559	0.000001184	3.49	12.09	3.25
SRCPARAM L0006560	0.000001184	3.49	12.09	3.25
SRCPARAM L0006561	0.000001184	3.49	12.09	3.25
SRCPARAM L0006562	0.000001184	3.49	12.09	3.25
SRCPARAM L0006563	0.000001184	3.49	12.09	3.25
SRCPARAM L0006564	0.000001184	3.49	12.09	3.25
SRCPARAM L0006565	0.000001184	3.49	12.09	3.25
SRCPARAM L0006566	0.000001184	3.49	12.09	3.25

**

** LINE VOLUME SOURCE ID = SLINE38

SRCPARAM L0006567	0.0000002899	3.49	12.09	3.25
SRCPARAM L0006568	0.0000002899	3.49	12.09	3.25
SRCPARAM L0006569	0.0000002899	3.49	12.09	3.25
SRCPARAM L0006570	0.0000002899	3.49	12.09	3.25
SRCPARAM L0006571	0.0000002899	3.49	12.09	3.25
SRCPARAM L0006572	0.0000002899	3.49	12.09	3.25
SRCPARAM L0006573	0.0000002899	3.49	12.09	3.25
SRCPARAM L0006574	0.0000002899	3.49	12.09	3.25
SRCPARAM L0006575	0.0000002899	3.49	12.09	3.25
SRCPARAM L0006576	0.0000002899	3.49	12.09	3.25
SRCPARAM L0006577	0.0000002899	3.49	12.09	3.25
SRCPARAM L0006578	0.0000002899	3.49	12.09	3.25
SRCPARAM L0006579	0.0000002899	3.49	12.09	3.25
SRCPARAM L0006580	0.0000002899	3.49	12.09	3.25
SRCPARAM L0006581	0.0000002899	3.49	12.09	3.25
SRCPARAM L0006582	0.0000002899	3.49	12.09	3.25
SRCPARAM L0006583	0.0000002899	3.49	12.09	3.25
SRCPARAM L0006584	0.0000002899	3.49	12.09	3.25
SRCPARAM L0006585	0.0000002899	3.49	12.09	3.25

11794 0ps HRA

[illegible]

11794 Ops HRA

SRCPARAM L0006634	0.0000002899	3.49	12.09	3.25
SRCPARAM L0006635	0.0000002899	3.49	12.09	3.25
SRCPARAM L0006636	0.0000002899	3.49	12.09	3.25
SRCPARAM L0006637	0.0000002899	3.49	12.09	3.25
SRCPARAM L0006638	0.0000002899	3.49	12.09	3.25
SRCPARAM L0006639	0.0000002899	3.49	12.09	3.25
SRCPARAM L0006640	0.0000002899	3.49	12.09	3.25
SRCPARAM L0006641	0.0000002899	3.49	12.09	3.25
SRCPARAM L0006642	0.0000002899	3.49	12.09	3.25
SRCPARAM L0006643	0.0000002899	3.49	12.09	3.25
SRCPARAM L0006644	0.0000002899	3.49	12.09	3.25
SRCPARAM L0006645	0.0000002899	3.49	12.09	3.25
SRCPARAM L0006646	0.0000002899	3.49	12.09	3.25
SRCPARAM L0006647	0.0000002899	3.49	12.09	3.25
SRCPARAM L0006648	0.0000002899	3.49	12.09	3.25
SRCPARAM L0006649	0.0000002899	3.49	12.09	3.25
SRCPARAM L0006650	0.0000002899	3.49	12.09	3.25
SRCPARAM L0006651	0.0000002899	3.49	12.09	3.25
SRCPARAM L0006652	0.0000002899	3.49	12.09	3.25
SRCPARAM L0006653	0.0000002899	3.49	12.09	3.25
SRCPARAM L0006654	0.0000002899	3.49	12.09	3.25
SRCPARAM L0006655	0.0000002899	3.49	12.09	3.25
SRCPARAM L0006656	0.0000002899	3.49	12.09	3.25
SRCPARAM L0006657	0.0000002899	3.49	12.09	3.25
SRCPARAM L0006658	0.0000002899	3.49	12.09	3.25
SRCPARAM L0006659	0.0000002899	3.49	12.09	3.25
SRCPARAM L0006660	0.0000002899	3.49	12.09	3.25
SRCPARAM L0006661	0.0000002899	3.49	12.09	3.25
SRCPARAM L0006662	0.0000002899	3.49	12.09	3.25
SRCPARAM L0006663	0.0000002899	3.49	12.09	3.25
SRCPARAM L0006664	0.0000002899	3.49	12.09	3.25
SRCPARAM L0006665	0.0000002899	3.49	12.09	3.25
SRCPARAM L0006666	0.0000002899	3.49	12.09	3.25
SRCPARAM L0006667	0.0000002899	3.49	12.09	3.25
SRCPARAM L0006668	0.0000002899	3.49	12.09	3.25
SRCPARAM L0006669	0.0000002899	3.49	12.09	3.25
SRCPARAM L0006670	0.0000002899	3.49	12.09	3.25
SRCPARAM L0006671	0.0000002899	3.49	12.09	3.25
SRCPARAM L0006672	0.0000002899	3.49	12.09	3.25
SRCPARAM L0006673	0.0000002899	3.49	12.09	3.25
SRCPARAM L0006674	0.0000002899	3.49	12.09	3.25
SRCPARAM L0006675	0.0000002899	3.49	12.09	3.25
SRCPARAM L0006676	0.0000002899	3.49	12.09	3.25
SRCPARAM L0006677	0.0000002899	3.49	12.09	3.25
SRCPARAM L0006678	0.0000002899	3.49	12.09	3.25

**

** LINE VOLUME SOURCE ID = SLINE39

SRCPARAM L0006679	0.0000004458	3.49	9.30	3.25
-------------------	--------------	------	------	------

11794 Ops HRA

[illegible]

11794 Ops HRA

SRCPARAM L0006728	0.0000004458	3.49	9.30	3.25
SRCPARAM L0006729	0.0000004458	3.49	9.30	3.25
SRCPARAM L0006730	0.0000004458	3.49	9.30	3.25
SRCPARAM L0006731	0.0000004458	3.49	9.30	3.25
SRCPARAM L0006732	0.0000004458	3.49	9.30	3.25
SRCPARAM L0006733	0.0000004458	3.49	9.30	3.25
SRCPARAM L0006734	0.0000004458	3.49	9.30	3.25
SRCPARAM L0006735	0.0000004458	3.49	9.30	3.25
SRCPARAM L0006736	0.0000004458	3.49	9.30	3.25
SRCPARAM L0006737	0.0000004458	3.49	9.30	3.25
SRCPARAM L0006738	0.0000004458	3.49	9.30	3.25
SRCPARAM L0006739	0.0000004458	3.49	9.30	3.25
SRCPARAM L0006740	0.0000004458	3.49	9.30	3.25
SRCPARAM L0006741	0.0000004458	3.49	9.30	3.25
SRCPARAM L0006742	0.0000004458	3.49	9.30	3.25
SRCPARAM L0006743	0.0000004458	3.49	9.30	3.25
SRCPARAM L0006744	0.0000004458	3.49	9.30	3.25

**

** LINE VOLUME SOURCE ID = SLINE40

SRCPARAM L0006745	0.000001452	3.49	9.30	3.25
SRCPARAM L0006746	0.000001452	3.49	9.30	3.25
SRCPARAM L0006747	0.000001452	3.49	9.30	3.25
SRCPARAM L0006748	0.000001452	3.49	9.30	3.25
SRCPARAM L0006749	0.000001452	3.49	9.30	3.25
SRCPARAM L0006750	0.000001452	3.49	9.30	3.25
SRCPARAM L0006751	0.000001452	3.49	9.30	3.25
SRCPARAM L0006752	0.000001452	3.49	9.30	3.25
SRCPARAM L0006753	0.000001452	3.49	9.30	3.25
SRCPARAM L0006754	0.000001452	3.49	9.30	3.25
SRCPARAM L0006755	0.000001452	3.49	9.30	3.25
SRCPARAM L0006756	0.000001452	3.49	9.30	3.25
SRCPARAM L0006757	0.000001452	3.49	9.30	3.25
SRCPARAM L0006758	0.000001452	3.49	9.30	3.25
SRCPARAM L0006759	0.000001452	3.49	9.30	3.25
SRCPARAM L0006760	0.000001452	3.49	9.30	3.25
SRCPARAM L0006761	0.000001452	3.49	9.30	3.25
SRCPARAM L0006762	0.000001452	3.49	9.30	3.25
SRCPARAM L0006763	0.000001452	3.49	9.30	3.25
SRCPARAM L0006764	0.000001452	3.49	9.30	3.25
SRCPARAM L0006765	0.000001452	3.49	9.30	3.25
SRCPARAM L0006766	0.000001452	3.49	9.30	3.25
SRCPARAM L0006767	0.000001452	3.49	9.30	3.25
SRCPARAM L0006768	0.000001452	3.49	9.30	3.25
SRCPARAM L0006769	0.000001452	3.49	9.30	3.25
SRCPARAM L0006770	0.000001452	3.49	9.30	3.25
SRCPARAM L0006771	0.000001452	3.49	9.30	3.25
SRCPARAM L0006772	0.000001452	3.49	9.30	3.25
SRCPARAM L0006773	0.000001452	3.49	9.30	3.25

11794 Ops HRA

SRCPARAM L0006774	0.000001452	3.49	9.30	3.25
SRCPARAM L0006775	0.000001452	3.49	9.30	3.25
SRCPARAM L0006776	0.000001452	3.49	9.30	3.25
SRCPARAM L0006777	0.000001452	3.49	9.30	3.25
SRCPARAM L0006778	0.000001452	3.49	9.30	3.25
SRCPARAM L0006779	0.000001452	3.49	9.30	3.25
SRCPARAM L0006780	0.000001452	3.49	9.30	3.25
SRCPARAM L0006781	0.000001452	3.49	9.30	3.25
SRCPARAM L0006782	0.000001452	3.49	9.30	3.25
SRCPARAM L0006783	0.000001452	3.49	9.30	3.25
SRCPARAM L0006784	0.000001452	3.49	9.30	3.25
SRCPARAM L0006785	0.000001452	3.49	9.30	3.25
SRCPARAM L0006786	0.000001452	3.49	9.30	3.25
SRCPARAM L0006787	0.000001452	3.49	9.30	3.25
SRCPARAM L0006788	0.000001452	3.49	9.30	3.25
SRCPARAM L0006789	0.000001452	3.49	9.30	3.25
SRCPARAM L0006790	0.000001452	3.49	9.30	3.25
SRCPARAM L0006791	0.000001452	3.49	9.30	3.25
SRCPARAM L0006792	0.000001452	3.49	9.30	3.25
SRCPARAM L0006793	0.000001452	3.49	9.30	3.25
SRCPARAM L0006794	0.000001452	3.49	9.30	3.25
SRCPARAM L0006795	0.000001452	3.49	9.30	3.25
SRCPARAM L0006796	0.000001452	3.49	9.30	3.25
SRCPARAM L0006797	0.000001452	3.49	9.30	3.25
SRCPARAM L0006798	0.000001452	3.49	9.30	3.25
SRCPARAM L0006799	0.000001452	3.49	9.30	3.25

**

 URBANSRC ALL
 SRCGROUP ALL

SO FINISHED

**

** AERMOD RECEPTOR PATHWAY

**

**

RE STARTING
 INCLUDED "11794 OPS HRA.ROU"
 RE FINISHED

**

** AERMOD METEOROLOGY PATHWAY

**

**

ME STARTING
 SURFFILE KRAL_V9_ADJU\KRAL_V9.SFC
 PROFFILE KRAL_V9_ADJU\KRAL_V9.PFL

11794 Ops HRA

SURFDATA 3171 2012
UAIRDATA 3190 2012
PROFBASE 245.0 METERS

ME FINISHED

**

** AERMOD OUTPUT PATHWAY

**

**

OU STARTING

** AUTO-GENERATED PLOTFILES

PLOTFILE ANNUAL ALL "11794 OPS HRA.AD\AN00GALL.PLT" 31

SUMMFILE "11794 OPS HRA.SUM"

OU FINISHED

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

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

A Total of	0 Fatal Error Message(s)
A Total of	2 Warning Message(s)
A Total of	0 Informational Message(s)

***** FATAL ERROR MESSAGES *****

*** NONE ***

***** WARNING MESSAGES *****

ME W186	3075	MEOPEN: THRESH_1MIN 1-min ASOS wind speed threshold used
	0.50	
ME W187	3075	MEOPEN: ADJ_U* Option for Low Winds used in AERMET

*** SETUP Finishes Successfully ***

▲ *** AERMOD - VERSION 16216r *** *** C:\LAKES\AERMOD VIEW\11794 OPS HRA\11794
OPS HRA.ISC *** 08/01/19
*** AERMET - VERSION 16216 *** ***
*** 11:40:56

PAGE 1

*** MODELOPTs: RegDFault CONC ELEV URBAN ADJ_U*

**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 1089 Source(s),
for Total of 1 Urban Area(s):

Urban Population = 2189641.0 ; Urban Roughness Length = 1.000 m

**Model Uses Regulatory DEFAULT Options:

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

**Other Options Specified:

ADJ_U* - Use ADJ_U* BETA option for SBL in AERMET

CCVR_Sub - Meteorological data includes CCVR substitutions

TEMP_Sub - Meteorological data includes TEMP substitutions

**Model Assumes No FLAGPOLE Receptor Heights.

**The User Specified a Pollutant Type of: DPM

**Model Calculates ANNUAL Averages Only

**This Run Includes: 1089 Source(s); 1 Source Group(s); and 71
Receptor(s)

with: 0 POINT(s), including
0 POINTCAP(s) and 0 POINTHOR(s)
and: 1089 VOLUME source(s)
and: 0 AREA type source(s)
and: 0 LINE source(s)
and: 0 OPENPIT source(s)
and: 0 BUOYANT LINE source(s) with 0 line(s)

11794 Ops HRA

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

**The AERMET Input Meteorological Data Version Date: 16216

**Output Options Selected:

Model Outputs Tables of ANNUAL Averages by Receptor

Model Outputs External File(s) of High Values for Plotting (PLOTFILE

Keyword)

Model Outputs Separate Summary File of High Ranked Values (SUMMFILE

Keyword)

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

Hours

b for Both Calm

and Missing Hours

**Misc. Inputs: Base Elev. for Pot. Temp. Profile (m MSL) = 245.00 ; Decay
Coef. = 0.000 ; Rot. Angle = 0.0

Emission Units = GRAMS/SEC

;

Emission Rate Unit Factor = 0.10000E+07

Output Units = MICROGRAMS/M**3

**Approximate Storage Requirements of Model = 4.0 MB of RAM.

**Detailed Error/Message File: 11794 OPS HRA.ERR

**File for Summary of Results: 11794 OPS HRA.SUM

▲ *** AERMOD - VERSION 16216r *** *** C:\LAKES\AERMOD VIEW\11794 OPS HRA\11794
OPS HRA.ISC *** 08/01/19

*** AERMET - VERSION 16216 *** ***
*** 11:40:56

PAGE 2

*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

*** 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			

11794 Ops HRA

L0005711	0	0.10400E-05	447267.4	3751495.3	177.6	3.49	4.00
3.25 YES							
L0005712	0	0.10400E-05	447267.2	3751503.8	177.8	3.49	4.00
3.25 YES							
L0005713	0	0.10400E-05	447267.0	3751512.4	177.9	3.49	4.00
3.25 YES							
L0005714	0	0.10400E-05	447296.2	3751496.3	177.3	3.49	4.00
3.25 YES							
L0005715	0	0.10400E-05	447296.2	3751504.9	177.6	3.49	4.00
3.25 YES							
L0005716	0	0.10400E-05	447296.3	3751513.4	177.9	3.49	4.00
3.25 YES							
L0007062	0	0.77980E-06	447263.7	3751571.8	178.0	3.49	4.00
3.25 YES							
L0007063	0	0.77980E-06	447264.0	3751563.2	178.0	3.49	4.00
3.25 YES							
L0007064	0	0.77980E-06	447264.3	3751554.6	178.0	3.49	4.00
3.25 YES							
L0007065	0	0.77980E-06	447264.6	3751546.0	178.0	3.49	4.00
3.25 YES							
L0007066	0	0.77980E-06	447297.1	3751549.8	178.0	3.49	4.00
3.25 YES							
L0007067	0	0.77980E-06	447297.0	3751558.4	178.0	3.49	4.00
3.25 YES							
L0007068	0	0.77980E-06	447296.9	3751567.0	178.0	3.49	4.00
3.25 YES							
L0007069	0	0.77980E-06	447296.8	3751575.6	178.0	3.49	4.00
3.25 YES							
L0007070	0	0.12190E-05	447250.9	3751686.0	179.0	3.49	4.00
3.25 YES							
L0007071	0	0.12190E-05	447259.5	3751685.9	178.7	3.49	4.00
3.25 YES							
L0007072	0	0.12190E-05	447268.1	3751685.8	178.4	3.49	4.00
3.25 YES							
L0007073	0	0.12190E-05	447276.7	3751685.7	178.1	3.49	4.00
3.25 YES							
L0007074	0	0.12190E-05	447285.3	3751685.6	178.0	3.49	4.00
3.25 YES							
L0007075	0	0.12190E-05	447293.9	3751685.5	178.0	3.49	4.00
3.25 YES							
L0007076	0	0.12190E-05	447302.5	3751685.4	178.0	3.49	4.00
3.25 YES							
L0007077	0	0.12190E-05	447311.0	3751685.3	178.1	3.49	4.00
3.25 YES							
L0005733	0	0.83810E-06	447257.7	3752042.6	180.0	3.49	4.00
3.25 YES							
L0005734	0	0.83810E-06	447257.7	3752051.2	180.0	3.49	4.00

11794 Ops HRA

3.25	YES							
L0005735		0	0.83810E-06	447257.7	3752059.8	180.0	3.49	4.00
3.25	YES							
L0005736		0	0.83810E-06	447257.7	3752068.4	180.0	3.49	4.00
3.25	YES							
L0005737		0	0.83810E-06	447263.2	3752071.5	180.0	3.49	4.00
3.25	YES							
L0005738		0	0.83810E-06	447271.8	3752071.5	180.0	3.49	4.00
3.25	YES							
L0005739		0	0.83810E-06	447280.3	3752071.5	180.0	3.49	4.00
3.25	YES							
L0005740		0	0.21900E-05	447247.7	3751972.2	180.0	3.49	4.00
3.25	YES							
L0005741		0	0.21900E-05	447256.3	3751972.1	180.0	3.49	4.00
3.25	YES							
L0005742		0	0.21900E-05	447264.9	3751972.1	180.0	3.49	4.00
3.25	YES							
L0005743		0	0.21900E-05	447273.5	3751972.0	180.0	3.49	4.00
3.25	YES							
L0005744		0	0.21900E-05	447282.0	3751972.0	180.0	3.49	4.00
3.25	YES							
L0005745		0	0.21900E-05	447290.6	3751971.9	180.0	3.49	4.00
3.25	YES							
L0005746		0	0.21900E-05	447299.2	3751971.9	180.0	3.49	4.00
3.25	YES							
L0005747		0	0.21900E-05	447307.8	3751971.8	180.0	3.49	4.00
3.25	YES							
L0005748		0	0.21900E-05	447316.4	3751971.8	180.0	3.49	4.00
3.25	YES							
L0005749		0	0.21900E-05	447245.8	3751790.0	179.0	3.49	4.00
3.25	YES							
L0005750		0	0.21900E-05	447254.4	3751789.8	179.0	3.49	4.00

*** AERMOD - VERSION 16216r *** C:\LAKES\AERMOD VIEW\11794 OPS HRA\11794
 OPS HRA.ISC *** 08/01/19

*** AERMET - VERSION 16216 ***
 *** 11:40:56

PAGE 3

*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

*** VOLUME SOURCE DATA ***

INIT.	URBAN	NUMBER EMISSION RATE	BASE	RELEASE	INIT.
SOURCE	EMISSION RATE				
SZ	PART. (GRAMS/SEC)	X	Y	ELEV.	HEIGHT
	SCALAR VARY				SY

ID (METERS)	CATS.	BY	11794 Ops HRA (METERS) (METERS) (METERS) (METERS) (METERS)				
----------------	-------	----	---	--	--	--	--

L0005751	0	0.21900E-05	447263.0	3751789.6	179.0	3.49	4.00
3.25 YES							
L0005752	0	0.21900E-05	447271.6	3751789.4	179.0	3.49	4.00
3.25 YES							
L0005753	0	0.21900E-05	447280.2	3751789.2	179.0	3.49	4.00
3.25 YES							
L0005754	0	0.21900E-05	447288.8	3751789.0	179.0	3.49	4.00
3.25 YES							
L0005755	0	0.21900E-05	447297.4	3751788.8	179.0	3.49	4.00
3.25 YES							
L0005756	0	0.21900E-05	447305.9	3751788.7	179.0	3.49	4.00
3.25 YES							
L0005757	0	0.21900E-05	447314.5	3751788.5	179.0	3.49	4.00
3.25 YES							
L0005758	0	0.77470E-06	447291.0	3752072.1	179.6	3.49	4.00
3.25 YES							
L0005759	0	0.77470E-06	447299.6	3752071.9	179.3	3.49	4.00
3.25 YES							
L0005760	0	0.77470E-06	447308.2	3752071.7	179.0	3.49	4.00
3.25 YES							
L0005761	0	0.77470E-06	447316.3	3752071.1	179.2	3.49	4.00
3.25 YES							
L0005762	0	0.77470E-06	447316.1	3752062.5	179.2	3.49	4.00
3.25 YES							
L0005763	0	0.77470E-06	447316.0	3752053.9	179.3	3.49	4.00
3.25 YES							
L0005764	0	0.77470E-06	447315.8	3752045.3	179.5	3.49	4.00
3.25 YES							
L0005765	0	0.11990E-05	447401.5	3752189.8	179.0	3.49	4.00
3.25 YES							
L0005766	0	0.11990E-05	447401.2	3752181.3	179.0	3.49	4.00
3.25 YES							
L0005767	0	0.11990E-05	447400.9	3752172.7	179.1	3.49	4.00
3.25 YES							
L0005768	0	0.10370E-05	447430.9	3751713.7	179.5	3.49	4.00
3.25 YES							
L0005769	0	0.10370E-05	447430.9	3751705.1	179.7	3.49	4.00
3.25 YES							
L0005770	0	0.10370E-05	447430.9	3751696.5	180.0	3.49	4.00
3.25 YES							
L0005771	0	0.10370E-05	447435.7	3751692.7	180.0	3.49	4.00
3.25 YES							
L0005772	0	0.10370E-05	447444.3	3751692.7	180.0	3.49	4.00

11794 Ops HRA

3.25	YES							
L0005773		0	0.10370E-05	447452.9	3751692.7	180.0	3.49	4.00
3.25	YES							
L0005774		0	0.10370E-05	447461.5	3751692.7	180.0	3.49	4.00
3.25	YES							
L0005775		0	0.12430E-05	447480.3	3751693.9	180.0	3.49	4.00
3.25	YES							
L0005776		0	0.12430E-05	447488.9	3751693.7	180.0	3.49	4.00
3.25	YES							
L0005777		0	0.12430E-05	447497.5	3751693.5	180.0	3.49	4.00
3.25	YES							
L0005778		0	0.12430E-05	447506.1	3751693.3	180.0	3.49	4.00
3.25	YES							
L0005779		0	0.12430E-05	447506.9	3751701.7	180.0	3.49	4.00
3.25	YES							
L0005780		0	0.12430E-05	447507.5	3751710.3	180.0	3.49	4.00
3.25	YES							
L0005781		0	0.18640E-05	447441.4	3751791.5	179.0	3.49	4.00
3.25	YES							
L0005782		0	0.18640E-05	447450.0	3751791.5	179.0	3.49	4.00
3.25	YES							
L0005783		0	0.18640E-05	447458.6	3751791.5	179.0	3.49	4.00
3.25	YES							
L0005784		0	0.18640E-05	447467.2	3751791.5	179.3	3.49	4.00
3.25	YES							
L0005785		0	0.18640E-05	447475.8	3751791.5	179.6	3.49	4.00
3.25	YES							
L0005786		0	0.18640E-05	447484.4	3751791.5	179.8	3.49	4.00
3.25	YES							
L0005787		0	0.18640E-05	447492.9	3751791.5	180.0	3.49	4.00
3.25	YES							
L0005788		0	0.18640E-05	447501.5	3751791.5	180.0	3.49	4.00
3.25	YES							
L0005789		0	0.18640E-05	447510.1	3751791.5	180.0	3.49	4.00
3.25	YES							
L0007051		0	0.16220E-05	447442.6	3751971.7	180.0	3.49	4.00

*** AERMOD - VERSION 16216r ***
 OPS HRA.ISC
 *** AERMET - VERSION 16216 ***

 *** C:\LAKES\AERMOD VIEW\11794 OPS HRA\11794
 08/01/19
 11:40:56

*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*
 PAGE 4

*** VOLUME SOURCE DATA ***

11794 Ops HRA

INIT.	URBAN	NUMBER EMISSION RATE	BASE	RELEASE	INIT.
SOURCE	SCALAR	EMISSION RATE	ELEV.	HEIGHT	SY
SZ	SOURCE	PART. (GRAMS/SEC)	X	Y	
ID	CATS.	VARY	(METERS)	(METERS)	(METERS)
(METERS)	BY				

L0007052	0	0.16220E-05	447451.2	3751971.8	180.0 3.49 4.00
3.25 YES					
L0007053	0	0.16220E-05	447459.8	3751971.9	180.0 3.49 4.00
3.25 YES					
L0007054	0	0.16220E-05	447468.4	3751971.9	180.0 3.49 4.00
3.25 YES					
L0007055	0	0.16220E-05	447477.0	3751972.0	180.0 3.49 4.00
3.25 YES					
L0007056	0	0.16220E-05	447485.6	3751972.0	180.0 3.49 4.00
3.25 YES					
L0007057	0	0.16220E-05	447494.2	3751972.1	180.0 3.49 4.00
3.25 YES					
L0007058	0	0.16220E-05	447502.8	3751972.1	180.0 3.49 4.00
3.25 YES					
L0007059	0	0.16220E-05	447511.4	3751972.2	180.0 3.49 4.00
3.25 YES					
L0007060	0	0.16220E-05	447520.0	3751972.2	180.0 3.49 4.00
3.25 YES					
L0007061	0	0.16220E-05	447528.5	3751972.3	180.0 3.49 4.00
3.25 YES					
L0005801	0	0.10360E-05	447444.5	3752118.6	180.0 3.49 4.00
3.25 YES					
L0005802	0	0.10360E-05	447445.1	3752110.6	180.0 3.49 4.00
3.25 YES					
L0005803	0	0.10360E-05	447453.6	3752110.6	180.0 3.49 4.00
3.25 YES					
L0005804	0	0.10360E-05	447462.2	3752110.6	180.0 3.49 4.00
3.25 YES					
L0005805	0	0.10360E-05	447470.8	3752110.6	180.0 3.49 4.00
3.25 YES					
L0005806	0	0.10360E-05	447480.3	3752111.8	180.0 3.49 4.00
3.25 YES					
L0005807	0	0.10360E-05	447488.9	3752111.8	180.0 3.49 4.00
3.25 YES					
L0005808	0	0.10360E-05	447497.5	3752111.8	180.0 3.49 4.00
3.25 YES					
L0005809	0	0.10360E-05	447502.4	3752115.3	180.0 3.49 4.00
3.25 YES					
L0005810	0	0.10360E-05	447502.0	3752123.9	180.0 3.49 4.00

11794 Ops HRA

3.25	YES							
L0005811		0	0.13770E-05	447433.4	3752189.6	179.1	3.49	4.00
3.25	YES							
L0005812		0	0.13770E-05	447433.4	3752181.0	179.1	3.49	4.00
3.25	YES							
L0005813		0	0.13770E-05	447433.4	3752172.4	179.2	3.49	4.00
3.25	YES							
L0005814		0	0.10110E-05	447512.5	3752190.2	180.0	3.49	4.00
3.25	YES							
L0005815		0	0.10110E-05	447512.7	3752181.7	180.0	3.49	4.00
3.25	YES							
L0005816		0	0.10110E-05	447512.9	3752173.1	180.0	3.49	4.00
3.25	YES							
L0005817		0	0.78460E-06	447697.3	3751710.3	182.4	3.49	4.00
3.25	YES							
L0005818		0	0.78460E-06	447697.3	3751701.7	182.2	3.49	4.00
3.25	YES							
L0005819		0	0.78460E-06	447697.4	3751693.1	182.0	3.49	4.00
3.25	YES							
L0005820		0	0.78460E-06	447697.4	3751684.6	182.0	3.49	4.00
3.25	YES							
L0005821		0	0.78460E-06	447697.5	3751676.0	182.0	3.49	4.00
3.25	YES							
L0005822		0	0.78460E-06	447697.5	3751667.4	182.0	3.49	4.00
3.25	YES							
L0005823		0	0.78460E-06	447697.5	3751658.8	182.0	3.49	4.00
3.25	YES							
L0005824		0	0.78460E-06	447697.6	3751650.2	182.0	3.49	4.00
3.25	YES							
L0005825		0	0.78460E-06	447697.6	3751641.6	182.0	3.49	4.00
3.25	YES							
L0005826		0	0.78460E-06	447697.6	3751633.0	182.1	3.49	4.00
3.25	YES							
L0005827		0	0.78460E-06	447697.7	3751624.4	182.4	3.49	4.00
3.25	YES							
L0005828		0	0.78460E-06	447697.7	3751615.8	182.6	3.49	4.00
3.25	YES							
L0005829		0	0.78460E-06	447697.8	3751607.2	182.9	3.49	4.00
3.25	YES							
L0005830		0	0.96310E-06	447696.6	3751853.6	182.0	3.49	4.00

3.25 YES
 *** AERMOD - VERSION 16216r *** *** C:\LAKES\AERMOD VIEW\11794 OPS HRA\11794
 OPS HRA.ISC *** 08/01/19
 *** AERMET - VERSION 16216 *** ***
 *** 11:40:56

PAGE 5
 *** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

11794 Ops HRA

*** 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)

L0005831		0	0.96310E-06	447696.6	3751845.0	182.0	3.49	4.00
3.25	YES							
L0005832		0	0.96310E-06	447696.6	3751836.4	182.3	3.49	4.00
3.25	YES							
L0005833		0	0.96310E-06	447696.6	3751827.8	182.6	3.49	4.00
3.25	YES							
L0005834		0	0.96310E-06	447696.5	3751819.2	182.8	3.49	4.00
3.25	YES							
L0005835		0	0.96310E-06	447696.5	3751810.7	182.9	3.49	4.00
3.25	YES							
L0005836		0	0.96310E-06	447696.5	3751802.1	182.9	3.49	4.00
3.25	YES							
L0005837		0	0.96310E-06	447696.5	3751793.5	182.9	3.49	4.00
3.25	YES							
L0005838		0	0.96310E-06	447696.4	3751784.9	182.9	3.49	4.00
3.25	YES							
L0005839		0	0.96310E-06	447696.4	3751776.3	182.9	3.49	4.00
3.25	YES							
L0005840		0	0.96310E-06	447696.4	3751767.7	182.9	3.49	4.00
3.25	YES							
L0005841		0	0.96310E-06	447696.3	3751759.1	182.9	3.49	4.00
3.25	YES							
L0005842		0	0.96310E-06	447696.3	3751750.5	182.9	3.49	4.00
3.25	YES							
L0007041		0	0.48410E-06	447638.1	3751942.8	180.0	3.49	4.00
3.25	YES							
L0007042		0	0.48410E-06	447646.7	3751942.8	180.2	3.49	4.00
3.25	YES							
L0007043		0	0.48410E-06	447655.2	3751942.7	180.5	3.49	4.00
3.25	YES							
L0007044		0	0.48410E-06	447663.8	3751942.7	180.8	3.49	4.00
3.25	YES							
L0007045		0	0.48410E-06	447672.4	3751942.6	181.1	3.49	4.00
3.25	YES							
L0007046		0	0.48410E-06	447681.0	3751942.6	181.4	3.49	4.00

11794 Ops HRA

3.25	YES							
L0007047		0	0.48410E-06	447689.6	3751942.6	181.7	3.49	4.00
3.25	YES							
L0007048		0	0.48410E-06	447698.2	3751942.5	182.0	3.49	4.00
3.25	YES							
L0007049		0	0.48410E-06	447706.8	3751942.5	182.0	3.49	4.00
3.25	YES							
L0007050		0	0.48410E-06	447715.4	3751942.4	182.0	3.49	4.00
3.25	YES							
L0005853		0	0.67400E-06	447673.2	3752031.0	181.1	3.49	4.00
3.25	YES							
L0005854		0	0.67400E-06	447673.3	3752039.6	181.1	3.49	4.00
3.25	YES							
L0005855		0	0.67400E-06	447680.6	3752040.9	181.2	3.49	4.00
3.25	YES							
L0005856		0	0.67400E-06	447689.2	3752040.8	181.3	3.49	4.00
3.25	YES							
L0005857		0	0.67400E-06	447673.1	3752131.6	181.0	3.49	4.00
3.25	YES							
L0005858		0	0.67400E-06	447673.5	3752123.0	181.0	3.49	4.00
3.25	YES							
L0005859		0	0.67400E-06	447679.2	3752120.1	181.0	3.49	4.00
3.25	YES							
L0005860		0	0.67400E-06	447687.8	3752120.3	181.0	3.49	4.00
3.25	YES							
L0005861		0	0.95130E-06	447673.6	3752164.4	181.0	3.49	4.00
3.25	YES							
L0005862		0	0.95130E-06	447674.3	3752172.2	181.0	3.49	4.00
3.25	YES							
L0005863		0	0.95130E-06	447682.9	3752172.2	181.0	3.49	4.00
3.25	YES							
L0005864		0	0.95130E-06	447691.5	3752172.2	181.0	3.49	4.00
3.25	YES							
L0005865		0	0.19620E-06	447212.0	3751526.3	178.0	3.49	4.00
3.25	YES							
L0005866		0	0.19620E-06	447220.5	3751526.1	178.0	3.49	4.00
3.25	YES							
L0005867		0	0.19620E-06	447229.1	3751526.0	178.0	3.49	4.00
3.25	YES							
L0005868		0	0.19620E-06	447237.7	3751525.8	178.0	3.49	4.00
3.25	YES							
L0005869		0	0.19620E-06	447246.3	3751525.6	178.0	3.49	4.00
3.25	YES							
L0005870		0	0.19620E-06	447254.9	3751525.5	178.0	3.49	4.00

3.25 YES
 *** AERMOD - VERSION 16216r *** *** C:\LAKES\AERMOD VIEW\11794 OPS HRA\11794
 OPS HRA.ISC *** 08/01/19
 *** AERMET - VERSION 16216 *** ***

11794 Ops HRA
*** 11:40:56

PAGE 6
*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

*** 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						
L0005871		0	0.19620E-06	447263.5	3751525.3	178.0	3.49	4.00
3.25	YES							
L0005872		0	0.19620E-06	447272.1	3751525.2	178.0	3.49	4.00
3.25	YES							
L0005873		0	0.19620E-06	447280.7	3751525.0	178.0	3.49	4.00
3.25	YES							
L0005874		0	0.19620E-06	447289.3	3751524.9	178.0	3.49	4.00
3.25	YES							
L0005875		0	0.19620E-06	447297.8	3751524.7	178.0	3.49	4.00
3.25	YES							
L0005876		0	0.19620E-06	447306.4	3751524.6	178.0	3.49	4.00
3.25	YES							
L0005877		0	0.19620E-06	447315.0	3751524.4	177.9	3.49	4.00
3.25	YES							
L0005878		0	0.19620E-06	447323.6	3751524.3	177.7	3.49	4.00
3.25	YES							
L0005879		0	0.19620E-06	447332.2	3751524.1	177.4	3.49	4.00
3.25	YES							
L0005880		0	0.19620E-06	447340.8	3751524.0	177.3	3.49	4.00
3.25	YES							
L0005881		0	0.19620E-06	447349.4	3751523.8	177.5	3.49	4.00
3.25	YES							
L0005882		0	0.19620E-06	447358.0	3751523.7	177.7	3.49	4.00
3.25	YES							
L0005883		0	0.19620E-06	447366.6	3751523.5	177.9	3.49	4.00
3.25	YES							
L0005884		0	0.19620E-06	447375.1	3751523.4	178.1	3.49	4.00
3.25	YES							
L0005885		0	0.19620E-06	447381.2	3751525.8	178.1	3.49	4.00
3.25	YES							
L0005886		0	0.19620E-06	447381.2	3751534.4	178.2	3.49	4.00

11794 Ops HRA

3.25	YES							
L0005887		0	0.19620E-06	447381.3	3751543.0	178.4	3.49	4.00
3.25	YES							
L0005888		0	0.19620E-06	447381.3	3751551.6	178.5	3.49	4.00
3.25	YES							
L0005889		0	0.19620E-06	447381.4	3751560.2	178.7	3.49	4.00
3.25	YES							
L0005890		0	0.19620E-06	447381.4	3751568.8	178.9	3.49	4.00
3.25	YES							
L0005891		0	0.19620E-06	447381.5	3751577.3	179.0	3.49	4.00
3.25	YES							
L0005892		0	0.19620E-06	447381.5	3751585.9	178.9	3.49	4.00
3.25	YES							
L0005893		0	0.19620E-06	447381.6	3751594.5	178.9	3.49	4.00
3.25	YES							
L0005894		0	0.19620E-06	447381.6	3751603.1	178.8	3.49	4.00
3.25	YES							
L0005895		0	0.19620E-06	447381.7	3751611.7	178.9	3.49	4.00
3.25	YES							
L0005896		0	0.19620E-06	447381.8	3751620.3	179.1	3.49	4.00
3.25	YES							
L0005897		0	0.19620E-06	447381.8	3751628.9	179.3	3.49	4.00
3.25	YES							
L0005898		0	0.19620E-06	447381.9	3751637.5	179.4	3.49	4.00
3.25	YES							
L0005899		0	0.19620E-06	447381.9	3751646.1	179.4	3.49	4.00
3.25	YES							
L0005900		0	0.19620E-06	447382.0	3751654.7	179.4	3.49	4.00
3.25	YES							
L0005901		0	0.19620E-06	447382.0	3751663.2	179.4	3.49	4.00
3.25	YES							
L0005902		0	0.19620E-06	447382.1	3751671.8	179.4	3.49	4.00
3.25	YES							
L0005903		0	0.19620E-06	447382.1	3751680.4	179.4	3.49	4.00
3.25	YES							
L0005904		0	0.19620E-06	447382.2	3751689.0	179.4	3.49	4.00
3.25	YES							
L0005905		0	0.19620E-06	447382.2	3751697.6	179.4	3.49	4.00
3.25	YES							
L0005906		0	0.19620E-06	447382.3	3751706.2	179.3	3.49	4.00
3.25	YES							
L0005907		0	0.19620E-06	447382.3	3751714.8	179.2	3.49	4.00
3.25	YES							
L0005908		0	0.19620E-06	447382.4	3751723.4	179.0	3.49	4.00
3.25	YES							
L0005909		0	0.19620E-06	447382.4	3751732.0	179.0	3.49	4.00
3.25	YES							
L0005910		0	0.19620E-06	447391.0	3751732.0	179.0	3.49	4.00

11794 Ops HRA

3.25 YES

▲ *** AERMOD - VERSION 16216r ***
OPS HRA.ISC ***

*** C:\LAKES\AERMOD VIEW\11794 OPS HRA\11794
08/01/19

*** AERMET - VERSION 16216 ***

11:40:56

PAGE 7

*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

*** VOLUME SOURCE DATA ***

INIT.	URBAN	NUMBER	EMISSION	RATE		BASE	RELEASE	INIT.
SZ	SOURCE	EMISSION	RATE			ELEV.	HEIGHT	SY
		PART.	(GRAMS/SEC)	X	Y			
ID		SCALAR	VARY					
(METERS)		CATS.		(METERS)	(METERS)	(METERS)	(METERS)	(METERS)
		BY						
L0005911		0	0.19620E-06	447399.6	3751732.0	179.0	3.49	4.00
3.25	YES							
L0005912		0	0.19620E-06	447408.2	3751732.0	179.1	3.49	4.00
3.25	YES							
L0005913		0	0.19620E-06	447416.8	3751732.0	179.1	3.49	4.00
3.25	YES							
L0005914		0	0.19620E-06	447425.4	3751732.0	179.2	3.49	4.00
3.25	YES							
L0005915		0	0.19620E-06	447434.0	3751732.0	179.3	3.49	4.00
3.25	YES							
L0005916		0	0.19620E-06	447442.6	3751732.0	179.6	3.49	4.00
3.25	YES							
L0005917		0	0.19620E-06	447451.1	3751732.0	179.8	3.49	4.00
3.25	YES							
L0005918		0	0.19620E-06	447459.7	3751732.0	180.0	3.49	4.00
3.25	YES							
L0005919		0	0.19620E-06	447468.3	3751732.0	180.0	3.49	4.00
3.25	YES							
L0005920		0	0.19620E-06	447476.9	3751732.0	180.0	3.49	4.00
3.25	YES							
L0005921		0	0.19620E-06	447485.5	3751732.0	180.0	3.49	4.00
3.25	YES							
L0005922		0	0.19620E-06	447494.1	3751732.0	180.0	3.49	4.00
3.25	YES							
L0005923		0	0.19620E-06	447502.7	3751732.0	180.0	3.49	4.00
3.25	YES							
L0005924		0	0.19620E-06	447511.3	3751732.0	180.0	3.49	4.00

11794 Ops HRA

3.25	YES							
L0005925		0	0.19620E-06	447519.9	3751732.0	180.0	3.49	4.00
3.25	YES							
L0005926		0	0.19620E-06	447528.5	3751732.0	180.0	3.49	4.00
3.25	YES							
L0005927		0	0.19620E-06	447537.0	3751732.0	180.0	3.49	4.00
3.25	YES							
L0005928		0	0.19620E-06	447545.6	3751732.0	180.0	3.49	4.00
3.25	YES							
L0005929		0	0.19620E-06	447554.2	3751732.0	180.2	3.49	4.00
3.25	YES							
L0006992		0	0.22550E-06	447313.7	3751702.0	178.2	3.49	4.00
3.25	YES							
L0006993		0	0.22550E-06	447305.1	3751701.9	178.0	3.49	4.00
3.25	YES							
L0006994		0	0.22550E-06	447296.6	3751701.9	178.0	3.49	4.00
3.25	YES							
L0006995		0	0.22550E-06	447288.0	3751701.8	178.0	3.49	4.00
3.25	YES							
L0006996		0	0.22550E-06	447279.4	3751701.7	178.0	3.49	4.00
3.25	YES							
L0006997		0	0.22550E-06	447270.8	3751701.6	178.3	3.49	4.00
3.25	YES							
L0006998		0	0.22550E-06	447262.2	3751701.6	178.6	3.49	4.00
3.25	YES							
L0006999		0	0.22550E-06	447253.6	3751701.5	178.9	3.49	4.00
3.25	YES							
L0007000		0	0.22550E-06	447245.0	3751701.4	179.0	3.49	4.00
3.25	YES							
L0007001		0	0.22550E-06	447243.5	3751708.7	179.0	3.49	4.00
3.25	YES							
L0007002		0	0.22550E-06	447243.2	3751717.2	179.0	3.49	4.00
3.25	YES							
L0007003		0	0.22550E-06	447243.0	3751725.8	179.0	3.49	4.00
3.25	YES							
L0007004		0	0.22550E-06	447245.4	3751731.9	179.0	3.49	4.00
3.25	YES							
L0007005		0	0.22550E-06	447253.9	3751732.0	178.9	3.49	4.00
3.25	YES							
L0007006		0	0.22550E-06	447262.5	3751732.1	178.7	3.49	4.00
3.25	YES							
L0007007		0	0.22550E-06	447271.1	3751732.2	178.4	3.49	4.00
3.25	YES							
L0007008		0	0.22550E-06	447279.7	3751732.4	178.2	3.49	4.00
3.25	YES							
L0007009		0	0.22550E-06	447288.3	3751732.5	178.2	3.49	4.00
3.25	YES							
L0007010		0	0.22550E-06	447296.9	3751732.6	178.2	3.49	4.00

11794 Ops HRA

3.25 YES
L0007011 0 0.22550E-06 447305.5 3751732.7 178.2 3.49 4.00

3.25 YES
L0007012 0 0.22550E-06 447314.1 3751732.8 178.3 3.49 4.00

3.25 YES

▲ *** AERMOD - VERSION 16216r *** *** C:\LAKES\AERMOD VIEW\11794 OPS HRA\11794
OPS HRA.ISC *** 08/01/19

*** AERMET - VERSION 16216 ***

11:40:56

PAGE 8

*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

*** 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				

L0007013 0 0.22550E-06 447322.7 3751733.0 178.6 3.49 4.00

3.25 YES

L0007014 0 0.22550E-06 447331.2 3751733.1 178.8 3.49 4.00

3.25 YES

L0007015 0 0.22550E-06 447339.8 3751733.2 179.0 3.49 4.00

3.25 YES

L0007016 0 0.22550E-06 447348.4 3751733.3 179.0 3.49 4.00

3.25 YES

L0007017 0 0.22550E-06 447357.0 3751733.4 179.0 3.49 4.00

3.25 YES

L0007018 0 0.22550E-06 447365.6 3751733.6 179.0 3.49 4.00

3.25 YES

L0007019 0 0.22550E-06 447374.2 3751733.7 179.0 3.49 4.00

3.25 YES

L0007020 0 0.22550E-06 447382.8 3751733.8 179.0 3.49 4.00

3.25 YES

L0007021 0 0.22550E-06 447391.4 3751733.7 179.0 3.49 4.00

3.25 YES

L0007022 0 0.22550E-06 447400.0 3751733.6 179.0 3.49 4.00

3.25 YES

L0007023 0 0.22550E-06 447408.6 3751733.4 179.1 3.49 4.00

3.25 YES

L0007024 0 0.22550E-06 447417.1 3751733.3 179.1 3.49 4.00

11794 Ops HRA

3.25	YES							
L0007025		0	0.22550E-06	447425.7	3751733.2	179.2	3.49	4.00
3.25	YES							
L0007026		0	0.22550E-06	447434.3	3751733.1	179.4	3.49	4.00
3.25	YES							
L0007027		0	0.22550E-06	447442.9	3751732.9	179.6	3.49	4.00
3.25	YES							
L0007028		0	0.22550E-06	447451.5	3751732.8	179.8	3.49	4.00
3.25	YES							
L0007029		0	0.22550E-06	447460.1	3751732.7	180.0	3.49	4.00
3.25	YES							
L0007030		0	0.22550E-06	447468.7	3751732.6	180.0	3.49	4.00
3.25	YES							
L0007031		0	0.22550E-06	447477.3	3751732.5	180.0	3.49	4.00
3.25	YES							
L0007032		0	0.22550E-06	447485.9	3751732.3	180.0	3.49	4.00
3.25	YES							
L0007033		0	0.22550E-06	447494.4	3751732.2	180.0	3.49	4.00
3.25	YES							
L0007034		0	0.22550E-06	447503.0	3751732.1	180.0	3.49	4.00
3.25	YES							
L0007035		0	0.22550E-06	447511.6	3751732.0	180.0	3.49	4.00
3.25	YES							
L0007036		0	0.22550E-06	447520.2	3751731.9	180.0	3.49	4.00
3.25	YES							
L0007037		0	0.22550E-06	447528.8	3751731.7	180.0	3.49	4.00
3.25	YES							
L0007038		0	0.22550E-06	447537.4	3751731.6	180.0	3.49	4.00
3.25	YES							
L0007039		0	0.22550E-06	447546.0	3751731.5	180.0	3.49	4.00
3.25	YES							
L0007040		0	0.22550E-06	447554.6	3751731.4	180.2	3.49	4.00
3.25	YES							
L0006941		0	0.39000E-06	447302.4	3751773.3	179.0	3.49	4.00
3.25	YES							
L0006942		0	0.39000E-06	447293.8	3751773.2	179.0	3.49	4.00
3.25	YES							
L0006943		0	0.39000E-06	447285.2	3751773.1	179.0	3.49	4.00
3.25	YES							
L0006944		0	0.39000E-06	447276.6	3751773.0	179.0	3.49	4.00
3.25	YES							
L0006945		0	0.39000E-06	447268.0	3751772.9	179.0	3.49	4.00
3.25	YES							
L0006946		0	0.39000E-06	447259.4	3751772.8	179.0	3.49	4.00
3.25	YES							
L0006947		0	0.39000E-06	447250.8	3751772.7	179.0	3.49	4.00
3.25	YES							
L0006948		0	0.39000E-06	447242.2	3751772.6	179.0	3.49	4.00

11794 0ps HRA

3.25	YES							
L0006949		0	0.39000E-06	447240.6	3751765.3	179.0	3.49	4.00
3.25	YES							
L0006950		0	0.39000E-06	447240.9	3751760.4	179.0	3.49	4.00
3.25	YES							
L0006951		0	0.39000E-06	447240.3	3751751.8	179.0	3.49	4.00
3.25	YES							
L0006952		0	0.39000E-06	447239.6	3751743.2	179.0	3.49	4.00
3.25	YES							

```

^ *** AERMOD - VERSION 16216r ***      *** C:\LAKES\AERMOD VIEW\11794 OPS HRA\11794
OPS HRA.ISC                          ***      08/01/19
*** AERMET - VERSION 16216 ***      ***
***                                  ***
                                  ***      11:40:56

```

PAGE 9

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

*** VOLUME SOURCE DATA ***

INIT.	URBAN	NUMBER	EMISSION	RATE		BASE	RELEASE	INIT.
SOURCE	PART.	(GRAMS/SEC)	X	Y	ELEV.	HEIGHT	SY	
SZ	SOURCE	SCALAR	VARY					
ID	CATS.		(METERS)	(METERS)	(METERS)	(METERS)	(METERS)	
(METERS)		BY						

L0006953	0	0.39000E-06	447238.9	3751734.7	179.0	3.49	4.00
3.25 YES							
L0006954	0	0.39000E-06	447244.2	3751731.6	179.0	3.49	4.00
3.25 YES							
L0006955	0	0.39000E-06	447252.8	3751731.6	178.9	3.49	4.00
3.25 YES							
L0006956	0	0.39000E-06	447261.4	3751731.6	178.7	3.49	4.00
3.25 YES							
L0006957	0	0.39000E-06	447270.0	3751731.6	178.4	3.49	4.00
3.25 YES							
L0006958	0	0.39000E-06	447278.6	3751731.6	178.2	3.49	4.00
3.25 YES							
L0006959	0	0.39000E-06	447287.1	3751731.7	178.2	3.49	4.00
3.25 YES							
L0006960	0	0.39000E-06	447295.7	3751731.7	178.2	3.49	4.00
3.25 YES							
L0006961	0	0.39000E-06	447304.3	3751731.7	178.2	3.49	4.00
3.25 YES							
L0006962	0	0.39000E-06	447312.9	3751731.7	178.3	3.49	4.00

11794 Ops HRA

3.25	YES							
L0006963		0	0.39000E-06	447321.5	3751731.7	178.5	3.49	4.00
3.25	YES							
L0006964		0	0.39000E-06	447330.1	3751731.7	178.8	3.49	4.00
3.25	YES							
L0006965		0	0.39000E-06	447338.7	3751731.7	179.0	3.49	4.00
3.25	YES							
L0006966		0	0.39000E-06	447347.3	3751731.7	179.0	3.49	4.00
3.25	YES							
L0006967		0	0.39000E-06	447355.9	3751731.7	179.0	3.49	4.00
3.25	YES							
L0006968		0	0.39000E-06	447364.5	3751731.7	179.0	3.49	4.00
3.25	YES							
L0006969		0	0.39000E-06	447373.0	3751731.7	179.0	3.49	4.00
3.25	YES							
L0006970		0	0.39000E-06	447381.6	3751731.8	179.0	3.49	4.00
3.25	YES							
L0006971		0	0.39000E-06	447390.2	3751731.8	179.0	3.49	4.00
3.25	YES							
L0006972		0	0.39000E-06	447398.8	3751731.8	179.0	3.49	4.00
3.25	YES							
L0006973		0	0.39000E-06	447407.4	3751731.8	179.1	3.49	4.00
3.25	YES							
L0006974		0	0.39000E-06	447416.0	3751731.8	179.1	3.49	4.00
3.25	YES							
L0006975		0	0.39000E-06	447424.6	3751731.8	179.2	3.49	4.00
3.25	YES							
L0006976		0	0.39000E-06	447433.2	3751731.8	179.3	3.49	4.00
3.25	YES							
L0006977		0	0.39000E-06	447441.8	3751731.8	179.5	3.49	4.00
3.25	YES							
L0006978		0	0.39000E-06	447450.4	3751731.8	179.8	3.49	4.00
3.25	YES							
L0006979		0	0.39000E-06	447458.9	3751731.8	180.0	3.49	4.00
3.25	YES							
L0006980		0	0.39000E-06	447467.5	3751731.8	180.0	3.49	4.00
3.25	YES							
L0006981		0	0.39000E-06	447476.1	3751731.9	180.0	3.49	4.00
3.25	YES							
L0006982		0	0.39000E-06	447484.7	3751731.9	180.0	3.49	4.00
3.25	YES							
L0006983		0	0.39000E-06	447493.3	3751731.9	180.0	3.49	4.00
3.25	YES							
L0006984		0	0.39000E-06	447501.9	3751731.9	180.0	3.49	4.00
3.25	YES							
L0006985		0	0.39000E-06	447510.5	3751731.9	180.0	3.49	4.00
3.25	YES							
L0006986		0	0.39000E-06	447519.1	3751731.9	180.0	3.49	4.00

11794 Ops HRA

3.25	YES							
L0006987		0	0.39000E-06	447527.7	3751731.9	180.0	3.49	4.00
3.25	YES							
L0006988		0	0.39000E-06	447536.3	3751731.9	180.0	3.49	4.00
3.25	YES							
L0006989		0	0.39000E-06	447544.8	3751731.9	180.0	3.49	4.00
3.25	YES							
L0006990		0	0.39000E-06	447553.4	3751731.9	180.1	3.49	4.00
3.25	YES							
L0006991		0	0.39000E-06	447562.0	3751731.9	180.4	3.49	4.00
3.25	YES							
L0006030		0	0.30590E-06	447204.9	3752028.7	180.0	3.40	4.00

3.16 YES
 *** AERMOD - VERSION 16216r *** *** C:\LAKES\AERMOD VIEW\11794 OPS HRA\11794
 OPS HRA.ISC *** 08/01/19
 *** AERMET - VERSION 16216 *** ***
 *** 11:40:56

PAGE 10

*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

*** 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						
L0006031		0	0.30590E-06	447213.5	3752028.7	180.0	3.40	4.00
3.16	YES							
L0006032		0	0.30590E-06	447222.1	3752028.7	180.0	3.40	4.00
3.16	YES							
L0006033		0	0.30590E-06	447230.7	3752028.7	180.0	3.40	4.00
3.16	YES							
L0006034		0	0.30590E-06	447239.3	3752028.7	180.0	3.40	4.00
3.16	YES							
L0006035		0	0.30590E-06	447247.8	3752028.7	180.0	3.40	4.00
3.16	YES							
L0006036		0	0.30590E-06	447256.4	3752028.7	180.0	3.40	4.00
3.16	YES							
L0006037		0	0.30590E-06	447265.0	3752028.7	180.0	3.40	4.00
3.16	YES							
L0006038		0	0.30590E-06	447273.6	3752028.7	180.0	3.40	4.00

11794 Ops HRA

3.16	YES						
L0006039		0	0.30590E-06	447282.2	3752028.7	180.0	4.00
3.16	YES						
L0006040		0	0.30590E-06	447290.8	3752028.7	180.0	4.00
3.16	YES						
L0006041		0	0.30590E-06	447299.4	3752028.7	179.9	4.00
3.16	YES						
L0006042		0	0.30590E-06	447308.0	3752028.7	179.9	4.00
3.16	YES						
L0006043		0	0.30590E-06	447316.6	3752028.7	179.9	4.00
3.16	YES						
L0006044		0	0.30590E-06	447325.2	3752028.7	180.0	4.00
3.16	YES						
L0006045		0	0.30590E-06	447333.7	3752028.7	180.0	4.00
3.16	YES						
L0006046		0	0.30590E-06	447342.3	3752028.7	180.0	4.00
3.16	YES						
L0006047		0	0.30590E-06	447350.9	3752028.7	180.0	4.00
3.16	YES						
L0006048		0	0.30590E-06	447359.5	3752028.7	180.0	4.00
3.16	YES						
L0006049		0	0.30590E-06	447368.1	3752028.7	180.0	4.00
3.16	YES						
L0006050		0	0.30590E-06	447376.7	3752028.7	180.0	4.00
3.16	YES						
L0006051		0	0.30590E-06	447381.5	3752025.0	180.0	4.00
3.16	YES						
L0006052		0	0.30590E-06	447381.5	3752016.4	180.0	4.00
3.16	YES						
L0006053		0	0.30590E-06	447381.5	3752007.8	180.0	4.00
3.16	YES						
L0006054		0	0.30590E-06	447381.6	3751999.2	180.0	4.00
3.16	YES						
L0006055		0	0.30590E-06	447381.6	3751990.6	180.0	4.00
3.16	YES						
L0006056		0	0.30590E-06	447381.6	3751982.0	180.0	4.00
3.16	YES						
L0006057		0	0.30590E-06	447381.6	3751973.4	180.0	4.00
3.16	YES						
L0006058		0	0.30590E-06	447381.7	3751964.8	180.0	4.00
3.16	YES						
L0006059		0	0.30590E-06	447381.7	3751956.2	180.0	4.00
3.16	YES						
L0006060		0	0.30590E-06	447381.7	3751947.6	180.0	4.00
3.16	YES						
L0006061		0	0.30590E-06	447381.7	3751939.1	180.0	4.00
3.16	YES						
L0006062		0	0.30590E-06	447381.7	3751930.5	180.0	4.00

11794 Ops HRA

3.16	YES							
L0006063		0	0.30590E-06	447381.8	3751921.9	180.0	3.40	4.00
3.16	YES							
L0006064		0	0.30590E-06	447381.8	3751913.3	180.0	3.40	4.00
3.16	YES							
L0006065		0	0.30590E-06	447381.8	3751904.7	180.0	3.40	4.00
3.16	YES							
L0006066		0	0.30590E-06	447381.8	3751896.1	179.8	3.40	4.00
3.16	YES							
L0006067		0	0.30590E-06	447381.8	3751887.5	179.6	3.40	4.00
3.16	YES							
L0006068		0	0.30590E-06	447381.9	3751878.9	179.5	3.40	4.00
3.16	YES							
L0006069		0	0.30590E-06	447389.0	3751877.4	179.7	3.40	4.00
3.16	YES							
L0006070		0	0.30590E-06	447397.6	3751877.4	179.9	3.40	4.00

3.16 YES
 *** AERMOD - VERSION 16216r *** *** C:\LAKES\AERMOD VIEW\11794 OPS HRA\11794
 OPS HRA.ISC *** 08/01/19
 *** AERMET - VERSION 16216 *** ***
 *** 11:40:56

PAGE 11

*** MODELOPTs: RegDFault CONC ELEV URBAN ADJ_U*

*** VOLUME SOURCE DATA ***

INIT.	URBAN	NUMBER	EMISSION	RATE		BASE	RELEASE	INIT.
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						
L0006071		0	0.30590E-06	447406.1	3751877.4	180.0	3.40	4.00
3.16	YES							
L0006072		0	0.30590E-06	447414.7	3751877.4	180.0	3.40	4.00
3.16	YES							
L0006073		0	0.30590E-06	447423.3	3751877.3	180.0	3.40	4.00
3.16	YES							
L0006074		0	0.30590E-06	447431.9	3751877.3	180.0	3.40	4.00
3.16	YES							
L0006075		0	0.30590E-06	447440.5	3751877.3	180.0	3.40	4.00
3.16	YES							
L0006076		0	0.30590E-06	447449.1	3751877.3	180.0	3.40	4.00

11794 Ops HRA

3.16	YES						
L0006077		0	0.30590E-06	447457.7	3751877.3	180.0	4.00
3.16	YES						
L0006078		0	0.30590E-06	447466.3	3751877.3	180.0	4.00
3.16	YES						
L0006079		0	0.30590E-06	447474.9	3751877.2	180.0	4.00
3.16	YES						
L0006080		0	0.30590E-06	447483.5	3751877.2	180.0	4.00
3.16	YES						
L0006081		0	0.30590E-06	447492.0	3751877.2	180.0	4.00
3.16	YES						
L0006082		0	0.30590E-06	447500.6	3751877.2	180.0	4.00
3.16	YES						
L0006083		0	0.30590E-06	447509.2	3751877.2	180.0	4.00
3.16	YES						
L0006084		0	0.30590E-06	447517.8	3751877.2	180.0	4.00
3.16	YES						
L0006085		0	0.30590E-06	447526.4	3751877.1	180.0	4.00
3.16	YES						
L0006086		0	0.30590E-06	447535.0	3751877.1	180.0	4.00
3.16	YES						
L0006087		0	0.30590E-06	447543.6	3751877.1	180.0	4.00
3.16	YES						
L0006088		0	0.30590E-06	447552.2	3751877.1	180.0	4.00
3.16	YES						
L0006089		0	0.30590E-06	447560.8	3751877.1	180.0	4.00
3.16	YES						
L0006090		0	0.30590E-06	447569.4	3751877.1	180.0	4.00
3.16	YES						
L0006091		0	0.22850E-06	447204.9	3752028.7	180.0	4.00
3.16	YES						
L0006092		0	0.22850E-06	447213.5	3752028.7	180.0	4.00
3.16	YES						
L0006093		0	0.22850E-06	447222.1	3752028.7	180.0	4.00
3.16	YES						
L0006094		0	0.22850E-06	447230.7	3752028.7	180.0	4.00
3.16	YES						
L0006095		0	0.22850E-06	447239.3	3752028.7	180.0	4.00
3.16	YES						
L0006096		0	0.22850E-06	447247.8	3752028.7	180.0	4.00
3.16	YES						
L0006097		0	0.22850E-06	447256.4	3752028.7	180.0	4.00
3.16	YES						
L0006098		0	0.22850E-06	447265.0	3752028.7	180.0	4.00
3.16	YES						
L0006099		0	0.22850E-06	447273.6	3752028.7	180.0	4.00
3.16	YES						
L0006100		0	0.22850E-06	447282.2	3752028.7	180.0	4.00

11794 Ops HRA

3.16	YES							
L0006101		0	0.22850E-06	447290.8	3752028.7	180.0	3.40	4.00
3.16	YES							
L0006102		0	0.22850E-06	447299.4	3752028.7	179.9	3.40	4.00
3.16	YES							
L0006103		0	0.22850E-06	447308.0	3752028.7	179.9	3.40	4.00
3.16	YES							
L0006104		0	0.22850E-06	447316.6	3752028.7	179.9	3.40	4.00
3.16	YES							
L0006105		0	0.22850E-06	447325.2	3752028.7	180.0	3.40	4.00
3.16	YES							
L0006106		0	0.22850E-06	447333.7	3752028.7	180.0	3.40	4.00
3.16	YES							
L0006107		0	0.22850E-06	447342.3	3752028.7	180.0	3.40	4.00
3.16	YES							
L0006108		0	0.22850E-06	447350.9	3752028.7	180.0	3.40	4.00
3.16	YES							
L0006109		0	0.22850E-06	447359.5	3752028.7	180.0	3.40	4.00
3.16	YES							
L0006110		0	0.22850E-06	447368.1	3752028.7	180.0	3.40	4.00
3.16	YES							

*** AERMOD - VERSION 16216r ***
 OPS HRA.ISC
 *** AERMET - VERSION 16216 ***
 *** C:\LAKES\AERMOD VIEW\11794 OPS HRA\11794
 08/01/19
 11:40:56

PAGE 12

*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

*** 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)

L0006111		0	0.22850E-06	447376.7	3752028.7	180.0	3.40	4.00
3.16	YES							
L0006112		0	0.22850E-06	447381.5	3752025.0	180.0	3.40	4.00
3.16	YES							
L0006113		0	0.22850E-06	447381.5	3752016.4	180.0	3.40	4.00
3.16	YES							
L0006114		0	0.22850E-06	447381.5	3752007.8	180.0	3.40	4.00

11794 Ops HRA

3.16	YES						
L0006115		0	0.22850E-06	447381.6	3751999.2	180.0	4.00
3.16	YES						
L0006116		0	0.22850E-06	447381.6	3751990.6	180.0	4.00
3.16	YES						
L0006117		0	0.22850E-06	447381.6	3751982.0	180.0	4.00
3.16	YES						
L0006118		0	0.22850E-06	447381.6	3751973.4	180.0	4.00
3.16	YES						
L0006119		0	0.22850E-06	447381.7	3751964.8	180.0	4.00
3.16	YES						
L0006120		0	0.22850E-06	447381.7	3751956.2	180.0	4.00
3.16	YES						
L0006121		0	0.22850E-06	447381.7	3751947.6	180.0	4.00
3.16	YES						
L0006122		0	0.22850E-06	447381.7	3751939.1	180.0	4.00
3.16	YES						
L0006123		0	0.22850E-06	447381.7	3751930.5	180.0	4.00
3.16	YES						
L0006124		0	0.22850E-06	447381.8	3751921.9	180.0	4.00
3.16	YES						
L0006125		0	0.22850E-06	447381.8	3751913.3	180.0	4.00
3.16	YES						
L0006126		0	0.22850E-06	447381.8	3751904.7	180.0	4.00
3.16	YES						
L0006127		0	0.22850E-06	447381.8	3751896.1	179.8	4.00
3.16	YES						
L0006128		0	0.22850E-06	447381.8	3751887.5	179.6	4.00
3.16	YES						
L0006129		0	0.22850E-06	447381.9	3751878.9	179.5	4.00
3.16	YES						
L0006130		0	0.22850E-06	447389.0	3751877.4	179.7	4.00
3.16	YES						
L0006131		0	0.22850E-06	447397.6	3751877.4	179.9	4.00
3.16	YES						
L0006132		0	0.22850E-06	447406.1	3751877.4	180.0	4.00
3.16	YES						
L0006133		0	0.22850E-06	447414.7	3751877.4	180.0	4.00
3.16	YES						
L0006134		0	0.22850E-06	447423.3	3751877.3	180.0	4.00
3.16	YES						
L0006135		0	0.22850E-06	447431.9	3751877.3	180.0	4.00
3.16	YES						
L0006136		0	0.22850E-06	447440.5	3751877.3	180.0	4.00
3.16	YES						
L0006137		0	0.22850E-06	447449.1	3751877.3	180.0	4.00
3.16	YES						
L0006138		0	0.22850E-06	447457.7	3751877.3	180.0	4.00

11794 Ops HRA

3.16	YES							
L0006139		0	0.22850E-06	447466.3	3751877.3	180.0	3.40	4.00
3.16	YES							
L0006140		0	0.22850E-06	447474.9	3751877.2	180.0	3.40	4.00
3.16	YES							
L0006141		0	0.22850E-06	447483.5	3751877.2	180.0	3.40	4.00
3.16	YES							
L0006142		0	0.22850E-06	447492.0	3751877.2	180.0	3.40	4.00
3.16	YES							
L0006143		0	0.22850E-06	447500.6	3751877.2	180.0	3.40	4.00
3.16	YES							
L0006144		0	0.22850E-06	447509.2	3751877.2	180.0	3.40	4.00
3.16	YES							
L0006145		0	0.22850E-06	447517.8	3751877.2	180.0	3.40	4.00
3.16	YES							
L0006146		0	0.22850E-06	447526.4	3751877.1	180.0	3.40	4.00
3.16	YES							
L0006147		0	0.22850E-06	447535.0	3751877.1	180.0	3.40	4.00
3.16	YES							
L0006148		0	0.22850E-06	447543.6	3751877.1	180.0	3.40	4.00
3.16	YES							
L0006149		0	0.22850E-06	447552.2	3751877.1	180.0	3.40	4.00
3.16	YES							
L0006150		0	0.22850E-06	447560.8	3751877.1	180.0	3.40	4.00

*** AERMOD - VERSION 16216r ***
 OPS HRA.ISC
 *** AERMET - VERSION 16216 ***

 *** C:\LAKES\AERMOD VIEW\11794 OPS HRA\11794
 08/01/19
 11:40:56

PAGE 13

*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

*** 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)
L0006151		0	0.22850E-06	447569.4	3751877.1	180.0	3.40	4.00
3.16	YES							
L0006152		0	0.16890E-06	447349.7	3752160.2	179.0	3.49	4.00

11794 Ops HRA

3.25	YES							
L0006153		0	0.16890E-06	447358.3	3752160.0	179.0	3.49	4.00
3.25	YES							
L0006154		0	0.16890E-06	447366.9	3752159.8	179.0	3.49	4.00
3.25	YES							
L0006155		0	0.16890E-06	447375.5	3752159.6	179.1	3.49	4.00
3.25	YES							
L0006156		0	0.16890E-06	447384.1	3752159.4	179.3	3.49	4.00
3.25	YES							
L0006157		0	0.16890E-06	447392.7	3752159.2	179.4	3.49	4.00
3.25	YES							
L0006158		0	0.16890E-06	447401.3	3752158.9	179.6	3.49	4.00
3.25	YES							
L0006159		0	0.16890E-06	447409.9	3752158.7	179.6	3.49	4.00
3.25	YES							
L0006160		0	0.16890E-06	447418.4	3752158.5	179.6	3.49	4.00
3.25	YES							
L0006161		0	0.16890E-06	447427.0	3752158.3	179.6	3.49	4.00
3.25	YES							
L0006162		0	0.16890E-06	447435.6	3752158.1	179.7	3.49	4.00
3.25	YES							
L0006163		0	0.16890E-06	447444.2	3752157.9	179.8	3.49	4.00
3.25	YES							
L0006164		0	0.16890E-06	447452.8	3752157.7	179.9	3.49	4.00
3.25	YES							
L0006165		0	0.16890E-06	447461.4	3752157.5	180.0	3.49	4.00
3.25	YES							
L0006166		0	0.16890E-06	447470.0	3752157.3	180.0	3.49	4.00
3.25	YES							
L0006167		0	0.16890E-06	447478.6	3752157.1	180.0	3.49	4.00
3.25	YES							
L0006168		0	0.16890E-06	447487.1	3752156.8	180.0	3.49	4.00
3.25	YES							
L0006169		0	0.16890E-06	447495.7	3752156.6	180.0	3.49	4.00
3.25	YES							
L0006170		0	0.16890E-06	447504.3	3752156.4	180.0	3.49	4.00
3.25	YES							
L0006171		0	0.16890E-06	447512.9	3752156.2	180.0	3.49	4.00
3.25	YES							
L0006172		0	0.16890E-06	447521.5	3752156.0	180.0	3.49	4.00
3.25	YES							
L0006173		0	0.16890E-06	447530.1	3752155.8	180.0	3.49	4.00
3.25	YES							
L0006174		0	0.16890E-06	447538.7	3752155.6	180.0	3.49	4.00
3.25	YES							
L0006175		0	0.16890E-06	447547.3	3752155.4	180.0	3.49	4.00
3.25	YES							
L0006176		0	0.16890E-06	447555.8	3752155.2	180.2	3.49	4.00

11794 Ops HRA

3.25	YES							
L0006177		0	0.16890E-06	447564.4	3752154.9	180.4	3.49	4.00
3.25	YES							
L0006178		0	0.23300E-06	447558.2	3751731.8	180.3	3.49	4.00
3.25	YES							
L0006179		0	0.23300E-06	447549.6	3751731.8	180.0	3.49	4.00
3.25	YES							
L0006180		0	0.23300E-06	447541.0	3751731.8	180.0	3.49	4.00
3.25	YES							
L0006181		0	0.23300E-06	447532.5	3751731.8	180.0	3.49	4.00
3.25	YES							
L0006182		0	0.23300E-06	447523.9	3751731.8	180.0	3.49	4.00
3.25	YES							
L0006183		0	0.23300E-06	447515.3	3751731.8	180.0	3.49	4.00
3.25	YES							
L0006184		0	0.23300E-06	447506.7	3751731.8	180.0	3.49	4.00
3.25	YES							
L0006185		0	0.23300E-06	447498.1	3751731.8	180.0	3.49	4.00
3.25	YES							
L0006186		0	0.23300E-06	447489.5	3751731.8	180.0	3.49	4.00
3.25	YES							
L0006187		0	0.23300E-06	447480.9	3751731.8	180.0	3.49	4.00
3.25	YES							
L0006188		0	0.23300E-06	447472.3	3751731.8	180.0	3.49	4.00
3.25	YES							
L0006189		0	0.23300E-06	447463.7	3751731.8	180.0	3.49	4.00
3.25	YES							
L0006190		0	0.23300E-06	447455.1	3751731.8	179.9	3.49	4.00

*** AERMOD - VERSION 16216r ***
 OPS HRA.ISC
 *** AERMET - VERSION 16216 ***
 *** C:\LAKES\AERMOD VIEW\11794 OPS HRA\11794
 08/01/19
 11:40:56

PAGE 14

*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

*** VOLUME SOURCE DATA ***

INIT.	URBAN	NUMBER EMISSION RATE	BASE	RELEASE	INIT.
SOURCE	EMISSION RATE				
SZ	SCALAR VARY	PART. (GRAMS/SEC)	X	Y	SY
ID	CATS.		(METERS)	(METERS)	(METERS)
(METERS)	BY				

11794 Ops HRA

L0006191	0	0.23300E-06	447446.6	3751731.8	179.7	3.49	4.00
3.25 YES							
L0006192	0	0.23300E-06	447438.0	3751731.8	179.4	3.49	4.00
3.25 YES							
L0006193	0	0.23300E-06	447434.1	3751727.1	179.2	3.49	4.00
3.25 YES							
L0006194	0	0.23300E-06	447434.1	3751718.5	179.4	3.49	4.00
3.25 YES							
L0006195	0	0.23300E-06	447434.1	3751709.9	179.6	3.49	4.00
3.25 YES							
L0006196	0	0.23300E-06	447434.1	3751701.4	179.9	3.49	4.00
3.25 YES							
L0006197	0	0.23300E-06	447436.4	3751695.0	180.0	3.49	4.00
3.25 YES							
L0006198	0	0.23300E-06	447445.0	3751694.9	180.0	3.49	4.00
3.25 YES							
L0006199	0	0.23300E-06	447453.6	3751694.7	180.0	3.49	4.00
3.25 YES							
L0006200	0	0.23300E-06	447462.1	3751694.5	180.0	3.49	4.00
3.25 YES							
L0006201	0	0.23300E-06	447470.7	3751694.4	180.0	3.49	4.00
3.25 YES							
L0006202	0	0.23300E-06	447479.3	3751694.2	180.0	3.49	4.00
3.25 YES							
L0006203	0	0.23300E-06	447487.9	3751694.1	180.0	3.49	4.00
3.25 YES							
L0006204	0	0.23300E-06	447496.5	3751693.9	180.0	3.49	4.00
3.25 YES							
L0006205	0	0.26560E-06	447562.2	3751732.2	180.4	3.49	4.00
3.25 YES							
L0006206	0	0.26560E-06	447553.6	3751732.3	180.1	3.49	4.00
3.25 YES							
L0006207	0	0.26560E-06	447545.0	3751732.3	180.0	3.49	4.00
3.25 YES							
L0006208	0	0.26560E-06	447536.4	3751732.3	180.0	3.49	4.00
3.25 YES							
L0006209	0	0.26560E-06	447527.8	3751732.3	180.0	3.49	4.00
3.25 YES							
L0006210	0	0.26560E-06	447519.2	3751732.4	180.0	3.49	4.00
3.25 YES							
L0006211	0	0.26560E-06	447510.7	3751732.4	180.0	3.49	4.00
3.25 YES							
L0006212	0	0.26560E-06	447502.1	3751732.4	180.0	3.49	4.00
3.25 YES							
L0006213	0	0.26560E-06	447493.5	3751732.4	180.0	3.49	4.00
3.25 YES							
L0006214	0	0.26560E-06	447484.9	3751732.5	180.0	3.49	4.00

11794 Ops HRA

3.25	YES							
L0006215		0	0.26560E-06	447476.3	3751732.5	180.0	3.49	4.00
3.25	YES							
L0006216		0	0.26560E-06	447467.7	3751732.5	180.0	3.49	4.00
3.25	YES							
L0006217		0	0.26560E-06	447459.1	3751732.5	180.0	3.49	4.00
3.25	YES							
L0006218		0	0.26560E-06	447450.5	3751732.6	179.8	3.49	4.00
3.25	YES							
L0006219		0	0.26560E-06	447441.9	3751732.6	179.5	3.49	4.00
3.25	YES							
L0006220		0	0.26560E-06	447441.8	3751740.5	179.7	3.49	4.00
3.25	YES							
L0006221		0	0.26560E-06	447442.3	3751749.1	179.9	3.49	4.00
3.25	YES							
L0006222		0	0.26560E-06	447442.9	3751757.7	180.0	3.49	4.00
3.25	YES							
L0006223		0	0.26560E-06	447443.4	3751766.2	179.7	3.49	4.00
3.25	YES							
L0006224		0	0.26560E-06	447443.9	3751774.8	179.4	3.49	4.00
3.25	YES							
L0006225		0	0.26560E-06	447452.3	3751774.9	179.4	3.49	4.00
3.25	YES							
L0006226		0	0.26560E-06	447460.8	3751774.7	179.4	3.49	4.00
3.25	YES							
L0006227		0	0.26560E-06	447469.4	3751774.5	179.6	3.49	4.00
3.25	YES							
L0006228		0	0.26560E-06	447478.0	3751774.3	179.8	3.49	4.00
3.25	YES							
L0006229		0	0.26560E-06	447486.6	3751774.1	179.9	3.49	4.00
3.25	YES							
L0006230		0	0.27690E-06	447569.5	3752030.7	181.0	3.49	4.00

*** AERMOD - VERSION 16216r *** C:\LAKES\AERMOD VIEW\11794 OPS HRA\11794
 OPS HRA.ISC *** 08/01/19

*** AERMET - VERSION 16216 ***
 *** 11:40:56

PAGE 15

*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

*** VOLUME SOURCE DATA ***

INIT.	URBAN	NUMBER EMISSION RATE	BASE	RELEASE	INIT.
SOURCE	EMISSION RATE				
SZ	PART. (GRAMS/SEC)	X	Y	ELEV.	HEIGHT
	SCALAR VARY				SY

ID (METERS)	CATS.	BY	11794 Ops HRA (METERS) (METERS) (METERS) (METERS) (METERS)				
L0006231	0	0.27690E-06	447560.9	3752030.5	181.0	3.49	4.00
3.25 YES							
L0006232	0	0.27690E-06	447552.3	3752030.2	181.0	3.49	4.00
3.25 YES							
L0006233	0	0.27690E-06	447543.8	3752030.0	180.8	3.49	4.00
3.25 YES							
L0006234	0	0.27690E-06	447535.2	3752029.7	180.6	3.49	4.00
3.25 YES							
L0006235	0	0.27690E-06	447526.6	3752029.5	180.3	3.49	4.00
3.25 YES							
L0006236	0	0.27690E-06	447518.0	3752029.2	180.1	3.49	4.00
3.25 YES							
L0006237	0	0.27690E-06	447509.4	3752029.0	180.1	3.49	4.00
3.25 YES							
L0006238	0	0.27690E-06	447500.8	3752028.7	180.0	3.49	4.00
3.25 YES							
L0006239	0	0.27690E-06	447492.2	3752028.5	180.0	3.49	4.00
3.25 YES							
L0006240	0	0.27690E-06	447483.7	3752028.2	180.0	3.49	4.00
3.25 YES							
L0006241	0	0.27690E-06	447475.1	3752027.9	180.0	3.49	4.00
3.25 YES							
L0006242	0	0.27690E-06	447466.5	3752027.7	180.0	3.49	4.00
3.25 YES							
L0006243	0	0.27690E-06	447457.9	3752027.4	180.0	3.49	4.00
3.25 YES							
L0006244	0	0.27690E-06	447449.3	3752027.2	180.0	3.49	4.00
3.25 YES							
L0006245	0	0.27690E-06	447440.7	3752026.9	180.0	3.49	4.00
3.25 YES							
L0006246	0	0.27690E-06	447438.5	3752020.9	180.0	3.49	4.00
3.25 YES							
L0006247	0	0.27690E-06	447438.9	3752012.3	180.0	3.49	4.00
3.25 YES							
L0006248	0	0.27690E-06	447439.4	3752003.7	180.0	3.49	4.00
3.25 YES							
L0006249	0	0.27690E-06	447439.9	3751995.1	180.0	3.49	4.00
3.25 YES							
L0006250	0	0.27690E-06	447440.9	3751987.1	180.0	3.49	4.00
3.25 YES							
L0006251	0	0.27690E-06	447449.5	3751986.8	180.0	3.49	4.00
3.25 YES							
L0006252	0	0.27690E-06	447458.1	3751986.5	180.0	3.49	4.00

11794 Ops HRA

3.25	YES							
L0006253		0	0.27690E-06	447466.7	3751986.3	180.0	3.49	4.00
3.25	YES							
L0006254		0	0.27690E-06	447475.3	3751986.0	180.0	3.49	4.00
3.25	YES							
L0006255		0	0.27690E-06	447483.9	3751985.7	180.0	3.49	4.00
3.25	YES							
L0006256		0	0.27690E-06	447492.4	3751985.4	180.0	3.49	4.00
3.25	YES							
L0006257		0	0.27690E-06	447501.0	3751985.1	180.0	3.49	4.00
3.25	YES							
L0006258		0	0.27690E-06	447509.6	3751984.9	180.0	3.49	4.00
3.25	YES							
L0006259		0	0.27690E-06	447518.2	3751984.6	180.0	3.49	4.00
3.25	YES							
L0006260		0	0.15950E-06	447566.2	3752146.2	180.6	3.49	4.00
3.25	YES							
L0006261		0	0.15950E-06	447557.6	3752146.3	180.3	3.49	4.00
3.25	YES							
L0006262		0	0.15950E-06	447549.0	3752146.4	180.0	3.49	4.00
3.25	YES							
L0006263		0	0.15950E-06	447540.4	3752146.5	180.0	3.49	4.00
3.25	YES							
L0006264		0	0.15950E-06	447531.8	3752146.6	180.0	3.49	4.00
3.25	YES							
L0006265		0	0.15950E-06	447523.2	3752146.7	180.0	3.49	4.00
3.25	YES							
L0006266		0	0.15950E-06	447514.6	3752146.8	180.0	3.49	4.00
3.25	YES							
L0006267		0	0.15950E-06	447506.1	3752146.9	180.0	3.49	4.00
3.25	YES							
L0006268		0	0.15950E-06	447497.5	3752147.1	180.0	3.49	4.00
3.25	YES							
L0006269		0	0.15950E-06	447488.9	3752147.2	180.0	3.49	4.00
3.25	YES							
L0006270		0	0.15950E-06	447480.3	3752147.3	180.0	3.49	4.00

*** AERMOD - VERSION 16216r ***
 OPS HRA.ISC
 *** AERMET - VERSION 16216 ***

 *** C:\LAKES\AERMOD VIEW\11794 OPS HRA\11794
 08/01/19
 11:40:56

PAGE 16

*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

*** VOLUME SOURCE DATA ***

11794 Ops HRA

INIT.	URBAN	NUMBER EMISSION RATE	BASE	RELEASE	INIT.
SOURCE	SCALAR	EMISSION RATE	ELEV.	HEIGHT	SY
SZ	SOURCE	PART. (GRAMS/SEC)	X	Y	
ID	CATS.	VARY	(METERS)	(METERS)	(METERS)
(METERS)	BY				

L0006271	0	0.15950E-06	447471.7	3752147.4	180.0 3.49 4.00
3.25 YES					
L0006272	0	0.15950E-06	447463.1	3752147.5	180.0 3.49 4.00
3.25 YES					
L0006273	0	0.15950E-06	447454.5	3752147.6	180.0 3.49 4.00
3.25 YES					
L0006274	0	0.15950E-06	447445.9	3752147.7	180.0 3.49 4.00
3.25 YES					
L0006275	0	0.15950E-06	447437.3	3752147.8	180.0 3.49 4.00
3.25 YES					
L0006276	0	0.15950E-06	447428.8	3752147.9	179.9 3.49 4.00
3.25 YES					
L0006277	0	0.15950E-06	447420.2	3752148.0	179.9 3.49 4.00
3.25 YES					
L0006278	0	0.15950E-06	447411.6	3752148.1	179.9 3.49 4.00
3.25 YES					
L0006279	0	0.15950E-06	447403.0	3752148.2	179.9 3.49 4.00
3.25 YES					
L0006280	0	0.15950E-06	447394.4	3752148.4	179.8 3.49 4.00
3.25 YES					
L0006281	0	0.15670E-06	447611.2	3751728.4	181.1 3.49 4.00
3.25 YES					
L0006282	0	0.15670E-06	447619.8	3751728.6	181.4 3.49 4.00
3.25 YES					
L0006283	0	0.15670E-06	447628.3	3751728.8	181.6 3.49 4.00
3.25 YES					
L0006284	0	0.15670E-06	447636.9	3751728.9	181.9 3.49 4.00
3.25 YES					
L0006285	0	0.15670E-06	447645.5	3751729.1	182.0 3.49 4.00
3.25 YES					
L0006286	0	0.15670E-06	447654.1	3751729.3	182.0 3.49 4.00
3.25 YES					
L0006287	0	0.15670E-06	447662.7	3751729.5	182.0 3.49 4.00
3.25 YES					
L0006288	0	0.15670E-06	447671.3	3751729.7	182.1 3.49 4.00
3.25 YES					
L0006289	0	0.15670E-06	447679.9	3751729.8	182.4 3.49 4.00
3.25 YES					
L0006290	0	0.15670E-06	447688.5	3751730.0	182.6 3.49 4.00

11794 Ops HRA

3.25	YES						
L0006291		0	0.15670E-06	447697.0	3751730.2	182.9	4.00
3.25	YES						
L0006292		0	0.15670E-06	447699.7	3751724.3	182.9	4.00
3.25	YES						
L0006293		0	0.15670E-06	447699.7	3751715.8	182.7	4.00
3.25	YES						
L0006294		0	0.15670E-06	447699.7	3751707.2	182.4	4.00
3.25	YES						
L0006295		0	0.15670E-06	447699.7	3751698.6	182.1	4.00
3.25	YES						
L0006296		0	0.15670E-06	447699.7	3751690.0	182.0	4.00
3.25	YES						
L0006297		0	0.15670E-06	447699.7	3751681.4	182.0	4.00
3.25	YES						
L0006298		0	0.15670E-06	447699.7	3751672.8	182.0	4.00
3.25	YES						
L0006299		0	0.15670E-06	447699.7	3751664.2	182.0	4.00
3.25	YES						
L0006300		0	0.15670E-06	447699.7	3751655.6	182.0	4.00
3.25	YES						
L0006301		0	0.15670E-06	447699.7	3751647.0	182.0	4.00
3.25	YES						
L0006302		0	0.15670E-06	447699.7	3751638.4	182.0	4.00
3.25	YES						
L0006303		0	0.15670E-06	447699.7	3751629.9	182.2	4.00
3.25	YES						
L0006304		0	0.15670E-06	447699.7	3751621.3	182.5	4.00
3.25	YES						
L0006305		0	0.15670E-06	447699.7	3751612.7	182.8	4.00
3.25	YES						
L0006306		0	0.13930E-06	447613.1	3752149.0	181.0	4.00
3.25	YES						
L0006307		0	0.13930E-06	447621.7	3752149.2	181.0	4.00
3.25	YES						
L0006308		0	0.13930E-06	447630.3	3752149.3	181.0	4.00
3.25	YES						
L0006309		0	0.13930E-06	447638.9	3752149.5	181.0	4.00
3.25	YES						
L0006310		0	0.13930E-06	447647.5	3752149.6	181.0	4.00

3.25 YES
 ▲ *** AERMOD - VERSION 16216r *** *** C:\LAKES\AERMOD VIEW\11794 OPS HRA\11794
 OPS HRA.ISC *** 08/01/19
 *** AERMET - VERSION 16216 *** ***
 *** 11:40:56

PAGE 17

*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

11794 Ops HRA

*** 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						

L0006311		0	0.13930E-06	447656.1	3752149.8	181.0	3.49	4.00
3.25	YES							
L0006312		0	0.13930E-06	447664.6	3752149.9	181.0	3.49	4.00
3.25	YES							
L0006313		0	0.13930E-06	447673.2	3752150.0	181.0	3.49	4.00
3.25	YES							
L0006314		0	0.13930E-06	447681.8	3752150.2	181.0	3.49	4.00
3.25	YES							
L0006315		0	0.13930E-06	447690.4	3752150.3	181.0	3.49	4.00
3.25	YES							
L0006316		0	0.13930E-06	447699.0	3752150.5	181.0	3.49	4.00
3.25	YES							
L0006317		0	0.19310E-06	447610.0	3751728.1	181.0	3.49	4.00
3.25	YES							
L0006318		0	0.19310E-06	447618.6	3751728.3	181.3	3.49	4.00
3.25	YES							
L0006319		0	0.19310E-06	447627.2	3751728.5	181.6	3.49	4.00
3.25	YES							
L0006320		0	0.19310E-06	447635.8	3751728.7	181.9	3.49	4.00
3.25	YES							
L0006321		0	0.19310E-06	447644.4	3751728.9	182.0	3.49	4.00
3.25	YES							
L0006322		0	0.19310E-06	447653.0	3751729.2	182.0	3.49	4.00
3.25	YES							
L0006323		0	0.19310E-06	447661.6	3751729.4	182.0	3.49	4.00
3.25	YES							
L0006324		0	0.19310E-06	447670.2	3751729.6	182.0	3.49	4.00
3.25	YES							
L0006325		0	0.19310E-06	447678.7	3751729.8	182.3	3.49	4.00
3.25	YES							
L0006326		0	0.19310E-06	447687.3	3751730.0	182.6	3.49	4.00
3.25	YES							
L0006327		0	0.19310E-06	447695.9	3751730.3	182.9	3.49	4.00
3.25	YES							
L0006328		0	0.19310E-06	447704.5	3751730.5	183.0	3.49	4.00

11794 Ops HRA

3.25	YES							
L0006329		0	0.19310E-06	447713.1	3751730.7	183.1	3.49	4.00
3.25	YES							
L0006330		0	0.19310E-06	447721.7	3751730.9	183.1	3.49	4.00
3.25	YES							
L0006331		0	0.19310E-06	447730.3	3751731.2	183.2	3.49	4.00
3.25	YES							
L0006332		0	0.19310E-06	447738.8	3751731.4	183.5	3.49	4.00
3.25	YES							
L0006333		0	0.19310E-06	447747.4	3751731.6	183.8	3.49	4.00
3.25	YES							
L0006334		0	0.19310E-06	447756.0	3751731.8	184.1	3.49	4.00
3.25	YES							
L0006335		0	0.19310E-06	447764.6	3751732.0	184.2	3.49	4.00
3.25	YES							
L0006336		0	0.19310E-06	447773.2	3751732.3	184.2	3.49	4.00
3.25	YES							
L0006337		0	0.19310E-06	447781.8	3751732.5	184.2	3.49	4.00
3.25	YES							
L0006338		0	0.19310E-06	447790.4	3751732.7	184.2	3.49	4.00
3.25	YES							
L0006339		0	0.19310E-06	447790.4	3751741.3	184.5	3.49	4.00
3.25	YES							
L0006340		0	0.19310E-06	447790.5	3751749.9	184.8	3.49	4.00
3.25	YES							
L0006341		0	0.19310E-06	447790.5	3751758.5	185.1	3.49	4.00
3.25	YES							
L0006342		0	0.19310E-06	447790.6	3751767.1	185.4	3.49	4.00
3.25	YES							
L0006343		0	0.19310E-06	447790.6	3751775.7	185.7	3.49	4.00
3.25	YES							
L0006344		0	0.19310E-06	447790.7	3751784.3	185.9	3.49	4.00
3.25	YES							
L0006345		0	0.19310E-06	447790.7	3751792.9	186.0	3.49	4.00
3.25	YES							
L0006346		0	0.19310E-06	447790.8	3751801.4	186.0	3.49	4.00
3.25	YES							
L0006347		0	0.19310E-06	447790.8	3751810.0	186.0	3.49	4.00
3.25	YES							
L0006348		0	0.19310E-06	447790.9	3751818.6	186.0	3.49	4.00
3.25	YES							
L0006349		0	0.19310E-06	447790.9	3751827.2	186.0	3.49	4.00
3.25	YES							
L0006350		0	0.19310E-06	447791.0	3751835.8	186.0	3.49	4.00

3.25 YES
 *** AERMOD - VERSION 16216r *** *** C:\LAKES\AERMOD VIEW\11794 OPS HRA\11794
 OPS HRA.ISC *** 08/01/19
 *** AERMET - VERSION 16216 *** ***

11794 Ops HRA
*** 11:40:56

PAGE 18

*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

*** 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						
L0006351		0	0.19310E-06	447791.0	3751844.4	186.0	3.49	4.00
3.25	YES							
L0006352		0	0.19310E-06	447791.1	3751853.0	185.6	3.49	4.00
3.25	YES							
L0006353		0	0.19310E-06	447791.1	3751861.6	185.0	3.49	4.00
3.25	YES							
L0006898		0	0.16730E-06	447608.3	3751880.6	180.0	3.49	4.00
3.25	YES							
L0006899		0	0.16730E-06	447616.9	3751880.5	180.2	3.49	4.00
3.25	YES							
L0006900		0	0.16730E-06	447625.5	3751880.3	180.5	3.49	4.00
3.25	YES							
L0006901		0	0.16730E-06	447634.1	3751880.1	180.8	3.49	4.00
3.25	YES							
L0006902		0	0.16730E-06	447642.7	3751880.0	181.0	3.49	4.00
3.25	YES							
L0006903		0	0.16730E-06	447651.3	3751879.8	181.0	3.49	4.00
3.25	YES							
L0006904		0	0.16730E-06	447659.9	3751879.6	181.0	3.49	4.00
3.25	YES							
L0006905		0	0.16730E-06	447668.5	3751879.5	181.0	3.49	4.00
3.25	YES							
L0006906		0	0.16730E-06	447677.0	3751879.3	181.3	3.49	4.00
3.25	YES							
L0006907		0	0.16730E-06	447685.6	3751879.2	181.5	3.49	4.00
3.25	YES							
L0006908		0	0.16730E-06	447694.2	3751879.0	181.8	3.49	4.00
3.25	YES							
L0006909		0	0.16730E-06	447702.8	3751878.9	182.0	3.49	4.00
3.25	YES							
L0006910		0	0.16730E-06	447711.4	3751878.7	182.0	3.49	4.00

11794 Ops HRA

3.25	YES							
L0006911		0	0.16730E-06	447720.0	3751878.6	182.0	3.49	4.00
3.25	YES							
L0006912		0	0.16730E-06	447728.6	3751878.5	182.0	3.49	4.00
3.25	YES							
L0006913		0	0.16730E-06	447737.2	3751878.4	182.3	3.49	4.00
3.25	YES							
L0006914		0	0.16730E-06	447745.8	3751878.3	182.6	3.49	4.00
3.25	YES							
L0006915		0	0.16730E-06	447754.4	3751878.2	182.8	3.49	4.00
3.25	YES							
L0006916		0	0.16730E-06	447759.7	3751881.3	183.0	3.49	4.00
3.25	YES							
L0006917		0	0.16730E-06	447759.5	3751889.9	183.0	3.49	4.00
3.25	YES							
L0006918		0	0.16730E-06	447759.3	3751898.5	183.0	3.49	4.00
3.25	YES							
L0006919		0	0.16730E-06	447759.2	3751907.1	183.0	3.49	4.00
3.25	YES							
L0006920		0	0.16730E-06	447759.0	3751915.7	182.7	3.49	4.00
3.25	YES							
L0006921		0	0.16730E-06	447758.8	3751924.3	182.4	3.49	4.00
3.25	YES							
L0006922		0	0.16730E-06	447758.7	3751932.8	182.1	3.49	4.00
3.25	YES							
L0006923		0	0.16730E-06	447758.5	3751941.4	182.0	3.49	4.00
3.25	YES							
L0006924		0	0.16730E-06	447758.3	3751950.0	182.0	3.49	4.00
3.25	YES							
L0006925		0	0.16730E-06	447758.2	3751958.6	182.0	3.49	4.00
3.25	YES							
L0006926		0	0.16730E-06	447758.0	3751967.2	182.0	3.49	4.00
3.25	YES							
L0006927		0	0.16730E-06	447757.9	3751975.8	182.0	3.49	4.00
3.25	YES							
L0006928		0	0.16730E-06	447757.7	3751984.4	182.0	3.49	4.00
3.25	YES							
L0006929		0	0.16730E-06	447757.5	3751993.0	182.0	3.49	4.00
3.25	YES							
L0006930		0	0.16730E-06	447757.4	3752001.5	182.0	3.49	4.00
3.25	YES							
L0006931		0	0.16730E-06	447757.2	3752010.1	182.0	3.49	4.00
3.25	YES							
L0006932		0	0.16730E-06	447757.0	3752018.7	182.0	3.49	4.00
3.25	YES							
L0006933		0	0.16730E-06	447756.9	3752027.3	182.0	3.49	4.00
3.25	YES							
L0006934		0	0.16730E-06	447756.7	3752035.9	182.0	3.49	4.00

11794 Ops HRA

3.25 YES

▲ *** AERMOD - VERSION 16216r ***
OPS HRA.ISC ***

*** C:\LAKES\AERMOD VIEW\11794 OPS HRA\11794
08/01/19

*** AERMET - VERSION 16216 ***

11:40:56

PAGE 19

*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

*** VOLUME SOURCE DATA ***

INIT.	URBAN	NUMBER	EMISSION	RATE		BASE	RELEASE	INIT.
SZ	SOURCE	EMISSION	RATE			ELEV.	HEIGHT	SY
ID		PART.	(GRAMS/SEC)	X	Y			
(METERS)		SCALAR	VARY	(METERS)	(METERS)	(METERS)	(METERS)	(METERS)
		CATS.	BY					
L0006935		0	0.16730E-06	447756.5	3752044.5	182.0	3.49	4.00
3.25	YES							
L0006936		0	0.16730E-06	447751.1	3752046.9	182.0	3.49	4.00
3.25	YES							
L0006937		0	0.16730E-06	447742.5	3752045.9	182.0	3.49	4.00
3.25	YES							
L0006938		0	0.16730E-06	447734.0	3752044.8	182.0	3.49	4.00
3.25	YES							
L0006939		0	0.16730E-06	447725.5	3752043.7	181.9	3.49	4.00
3.25	YES							
L0006940		0	0.16730E-06	447717.0	3752042.6	181.8	3.49	4.00
3.25	YES							
L0006855		0	0.13530E-06	447608.3	3751880.6	180.0	3.49	4.00
3.25	YES							
L0006856		0	0.13530E-06	447616.9	3751880.5	180.2	3.49	4.00
3.25	YES							
L0006857		0	0.13530E-06	447625.5	3751880.3	180.5	3.49	4.00
3.25	YES							
L0006858		0	0.13530E-06	447634.1	3751880.1	180.8	3.49	4.00
3.25	YES							
L0006859		0	0.13530E-06	447642.7	3751880.0	181.0	3.49	4.00
3.25	YES							
L0006860		0	0.13530E-06	447651.3	3751879.8	181.0	3.49	4.00
3.25	YES							
L0006861		0	0.13530E-06	447659.9	3751879.6	181.0	3.49	4.00
3.25	YES							
L0006862		0	0.13530E-06	447668.5	3751879.5	181.0	3.49	4.00

11794 Ops HRA

3.25	YES							
L0006863		0	0.13530E-06	447677.0	3751879.3	181.3	3.49	4.00
3.25	YES							
L0006864		0	0.13530E-06	447685.6	3751879.2	181.5	3.49	4.00
3.25	YES							
L0006865		0	0.13530E-06	447694.2	3751879.0	181.8	3.49	4.00
3.25	YES							
L0006866		0	0.13530E-06	447702.8	3751878.9	182.0	3.49	4.00
3.25	YES							
L0006867		0	0.13530E-06	447711.4	3751878.7	182.0	3.49	4.00
3.25	YES							
L0006868		0	0.13530E-06	447720.0	3751878.6	182.0	3.49	4.00
3.25	YES							
L0006869		0	0.13530E-06	447728.6	3751878.5	182.0	3.49	4.00
3.25	YES							
L0006870		0	0.13530E-06	447737.2	3751878.4	182.3	3.49	4.00
3.25	YES							
L0006871		0	0.13530E-06	447745.8	3751878.3	182.6	3.49	4.00
3.25	YES							
L0006872		0	0.13530E-06	447754.4	3751878.2	182.8	3.49	4.00
3.25	YES							
L0006873		0	0.13530E-06	447759.7	3751881.3	183.0	3.49	4.00
3.25	YES							
L0006874		0	0.13530E-06	447759.5	3751889.9	183.0	3.49	4.00
3.25	YES							
L0006875		0	0.13530E-06	447759.3	3751898.5	183.0	3.49	4.00
3.25	YES							
L0006876		0	0.13530E-06	447759.2	3751907.1	183.0	3.49	4.00
3.25	YES							
L0006877		0	0.13530E-06	447759.0	3751915.7	182.7	3.49	4.00
3.25	YES							
L0006878		0	0.13530E-06	447758.8	3751924.3	182.4	3.49	4.00
3.25	YES							
L0006879		0	0.13530E-06	447758.7	3751932.8	182.1	3.49	4.00
3.25	YES							
L0006880		0	0.13530E-06	447758.5	3751941.4	182.0	3.49	4.00
3.25	YES							
L0006881		0	0.13530E-06	447758.3	3751950.0	182.0	3.49	4.00
3.25	YES							
L0006882		0	0.13530E-06	447758.2	3751958.6	182.0	3.49	4.00
3.25	YES							
L0006883		0	0.13530E-06	447758.0	3751967.2	182.0	3.49	4.00
3.25	YES							
L0006884		0	0.13530E-06	447757.9	3751975.8	182.0	3.49	4.00
3.25	YES							
L0006885		0	0.13530E-06	447757.7	3751984.4	182.0	3.49	4.00
3.25	YES							
L0006886		0	0.13530E-06	447757.5	3751993.0	182.0	3.49	4.00

11794 Ops HRA

3.25 YES
L0006887 0 0.13530E-06 447757.4 3752001.5 182.0 3.49 4.00

3.25 YES
L0006888 0 0.13530E-06 447757.2 3752010.1 182.0 3.49 4.00

3.25 YES

▲ *** AERMOD - VERSION 16216r *** *** C:\LAKES\AERMOD VIEW\11794 OPS HRA\11794
OPS HRA.ISC *** 08/01/19

*** AERMET - VERSION 16216 *** ***

11:40:56

PAGE 20

*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

*** 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				

L0006889 0 0.13530E-06 447757.0 3752018.7 182.0 3.49 4.00

3.25 YES
L0006890 0 0.13530E-06 447756.9 3752027.3 182.0 3.49 4.00

3.25 YES
L0006891 0 0.13530E-06 447756.7 3752035.9 182.0 3.49 4.00

3.25 YES
L0006892 0 0.13530E-06 447756.5 3752044.5 182.0 3.49 4.00

3.25 YES
L0006893 0 0.13530E-06 447751.1 3752046.9 182.0 3.49 4.00

3.25 YES
L0006894 0 0.13530E-06 447742.5 3752045.9 182.0 3.49 4.00

3.25 YES
L0006895 0 0.13530E-06 447734.0 3752044.8 182.0 3.49 4.00

3.25 YES
L0006896 0 0.13530E-06 447725.5 3752043.7 181.9 3.49 4.00

3.25 YES
L0006897 0 0.13530E-06 447717.0 3752042.6 181.8 3.49 4.00

3.25 YES
L0006440 0 0.82750E-06 447593.3 3751874.7 180.0 3.49 4.00

3.25 YES
L0006441 0 0.82750E-06 447593.2 3751866.1 180.2 3.49 4.00

3.25 YES
L0006442 0 0.82750E-06 447593.2 3751857.5 180.3 3.49 4.00

11794 Ops HRA

3.25	YES						
L0006443		0	0.82750E-06	447593.1	3751848.9	180.4	4.00
3.25	YES						
L0006444		0	0.82750E-06	447593.0	3751840.3	180.5	4.00
3.25	YES						
L0006445		0	0.82750E-06	447593.0	3751831.7	180.5	4.00
3.25	YES						
L0006446		0	0.82750E-06	447592.9	3751823.2	180.5	4.00
3.25	YES						
L0006447		0	0.82750E-06	447592.9	3751814.6	180.5	4.00
3.25	YES						
L0006448		0	0.82750E-06	447592.8	3751806.0	180.6	4.00
3.25	YES						
L0006449		0	0.82750E-06	447592.7	3751797.4	180.8	4.00
3.25	YES						
L0006450		0	0.82750E-06	447592.7	3751788.8	181.0	4.00
3.25	YES						
L0006451		0	0.82750E-06	447592.6	3751780.2	181.0	4.00
3.25	YES						
L0006452		0	0.82750E-06	447592.6	3751771.6	181.0	4.00
3.25	YES						
L0006453		0	0.82750E-06	447592.5	3751763.0	181.0	4.00
3.25	YES						
L0006454		0	0.82750E-06	447592.4	3751754.4	181.0	4.00
3.25	YES						
L0006455		0	0.82750E-06	447592.4	3751745.8	181.0	4.00
3.25	YES						
L0006456		0	0.82750E-06	447592.3	3751737.3	181.0	4.00
3.25	YES						
L0006457		0	0.82750E-06	447592.3	3751728.7	181.0	4.00
3.25	YES						
L0006458		0	0.82750E-06	447592.2	3751720.1	181.0	4.00
3.25	YES						
L0006459		0	0.82750E-06	447592.1	3751711.5	181.0	4.00
3.25	YES						
L0006460		0	0.82750E-06	447592.1	3751702.9	181.0	4.00
3.25	YES						
L0006461		0	0.82750E-06	447592.0	3751694.3	181.0	4.00
3.25	YES						
L0006462		0	0.82750E-06	447591.9	3751685.7	180.8	4.00
3.25	YES						
L0006463		0	0.82750E-06	447591.9	3751677.1	180.6	4.00
3.25	YES						
L0006464		0	0.82750E-06	447591.8	3751668.5	180.5	4.00
3.25	YES						
L0006465		0	0.82750E-06	447591.8	3751660.0	180.3	4.00
3.25	YES						
L0006466		0	0.82750E-06	447591.7	3751651.4	180.2	4.00

11794 0ps HRA

3.25	YES							
L0006467		0	0.82750E-06	447591.6	3751642.8	180.1	3.49	4.00
3.25	YES							
L0006468		0	0.82750E-06	447591.6	3751634.2	180.0	3.49	4.00
3.25	YES							
L0006469		0	0.82750E-06	447591.5	3751625.6	180.0	3.49	4.00
3.25	YES							
L0006470		0	0.82750E-06	447591.5	3751617.0	180.0	3.49	4.00
3.25	YES							

```

^ *** AERMOD - VERSION 16216r ***      *** C:\LAKES\AERMOD VIEW\11794 OPS HRA\11794
OPS HRA.ISC                          ***      08/01/19
*** AERMET - VERSION 16216 ***      ***
***      ***      11:40:56

```

PAGE 21

*** MODELOPTs: RegDFault CONC ELEV URBAN ADJ_U*

*** VOLUME SOURCE DATA ***

INIT.	URBAN	NUMBER	EMISSION RATE		BASE	RELEASE	INIT.	
SOURCE	SOURCE	EMISSION	RATE					
SZ	SOURCE	PART.	(GRAMS/SEC)	X	Y	ELEV.	HEIGHT	SY
ID		SCALAR	VARY					
(METERS)		CATS.		(METERS)	(METERS)	(METERS)	(METERS)	(METERS)
			BY					

L0006471	0	0.82750E-06	447591.4	3751608.4	180.0	3.49	4.00
3.25 YES							
L0006472	0	0.82750E-06	447591.3	3751599.8	180.1	3.49	4.00
3.25 YES							
L0006473	0	0.82750E-06	447591.3	3751591.2	180.2	3.49	4.00
3.25 YES							
L0006474	0	0.82750E-06	447591.2	3751582.6	180.3	3.49	4.00
3.25 YES							
L0006475	0	0.82750E-06	447591.2	3751574.1	180.6	3.49	4.00
3.25 YES							
L0006476	0	0.82750E-06	447591.1	3751565.5	181.3	3.49	4.00
3.25 YES							
L0006477	0	0.82750E-06	447591.0	3751556.9	182.1	3.49	4.00
3.25 YES							
L0006478	0	0.82750E-06	447591.0	3751548.3	182.8	3.49	4.00
3.25 YES							
L0006479	0	0.82750E-06	447590.9	3751539.7	183.1	3.49	4.00
3.25 YES							
L0006480	0	0.82750E-06	447591.0	3751531.1	183.2	3.49	4.00

11794 Ops HRA

3.25	YES						
L0006481		0	0.82750E-06	447591.1	3751522.5	183.3	4.00
3.25	YES						
L0006482		0	0.82750E-06	447591.2	3751513.9	183.4	4.00
3.25	YES						
L0006483		0	0.82750E-06	447591.3	3751505.3	183.6	4.00
3.25	YES						
L0006484		0	0.82750E-06	447591.4	3751496.7	183.8	4.00
3.25	YES						
L0006485		0	0.82750E-06	447591.5	3751488.2	184.0	4.00
3.25	YES						
L0006486		0	0.82750E-06	447591.6	3751479.6	184.0	4.00
3.25	YES						
L0006487		0	0.82750E-06	447591.7	3751471.0	184.0	4.00
3.25	YES						
L0006488		0	0.82750E-06	447591.8	3751462.4	184.0	4.00
3.25	YES						
L0006489		0	0.82750E-06	447591.9	3751453.8	184.0	4.00
3.25	YES						
L0006490		0	0.82750E-06	447592.0	3751445.2	183.8	4.00
3.25	YES						
L0006491		0	0.82750E-06	447592.1	3751436.6	183.6	4.00
3.25	YES						
L0006492		0	0.44230E-06	447592.7	3751887.7	180.0	4.00
3.25	YES						
L0006493		0	0.44230E-06	447592.7	3751896.3	180.0	4.00
3.25	YES						
L0006494		0	0.44230E-06	447592.8	3751904.9	180.0	4.00
3.25	YES						
L0006495		0	0.44230E-06	447592.8	3751913.5	180.0	4.00
3.25	YES						
L0006496		0	0.44230E-06	447592.8	3751922.1	180.0	4.00
3.25	YES						
L0006497		0	0.44230E-06	447592.9	3751930.7	180.0	4.00
3.25	YES						
L0006498		0	0.44230E-06	447592.9	3751939.3	180.0	4.00
3.25	YES						
L0006499		0	0.44230E-06	447593.0	3751947.8	180.0	4.00
3.25	YES						
L0006500		0	0.44230E-06	447593.0	3751956.4	180.0	4.00
3.25	YES						
L0006501		0	0.44230E-06	447593.1	3751965.0	180.0	4.00
3.25	YES						
L0006502		0	0.44230E-06	447593.1	3751973.6	180.0	4.00
3.25	YES						
L0006503		0	0.44230E-06	447593.2	3751982.2	180.0	4.00
3.25	YES						
L0006504		0	0.44230E-06	447593.2	3751990.8	180.0	4.00

11794 Ops HRA

3.25	YES	L0006505	0	0.44230E-06	447593.2	3751999.4	180.1	3.49	4.00
3.25	YES	L0006506	0	0.44230E-06	447593.3	3752008.0	180.4	3.49	4.00
3.25	YES	L0006507	0	0.44230E-06	447593.3	3752016.6	180.7	3.49	4.00
3.25	YES	L0006508	0	0.44230E-06	447593.4	3752025.2	181.0	3.49	4.00
3.25	YES	L0006509	0	0.44230E-06	447593.4	3752033.7	181.0	3.49	4.00
3.25	YES	L0006510	0	0.44230E-06	447593.5	3752042.3	181.0	3.49	4.00

*** AERMOD - VERSION 16216r ***
 OPS HRA.ISC
 *** AERMET - VERSION 16216 ***
 *** C:\LAKES\AERMOD VIEW\11794 OPS HRA\11794
 08/01/19
 11:40:56

PAGE 22

*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

*** VOLUME SOURCE DATA ***

INIT.	URBAN	NUMBER EMISSION RATE	BASE	RELEASE	INIT.
SOURCE	SCALAR VARY	PART. (GRAMS/SEC)	X	Y	SY
SZ	ID	CATS.	(METERS)	(METERS)	(METERS)
(METERS)	BY				
L0006511	0	0.44230E-06	447593.5	3752050.9	181.0
3.25	YES	L0006512	0	0.44230E-06	447593.5
3.25	YES	L0006513	0	0.44230E-06	447593.6
3.25	YES	L0006514	0	0.44230E-06	447593.6
3.25	YES	L0006515	0	0.44230E-06	447593.7
3.25	YES	L0006516	0	0.44230E-06	447593.7
3.25	YES	L0006517	0	0.44230E-06	447593.8
3.25	YES	L0006518	0	0.44230E-06	447593.8

11794 Ops HRA

3.25	YES							
L0006519		0	0.44230E-06	447593.8	3752119.6	181.0	3.49	4.00
3.25	YES							
L0006520		0	0.44230E-06	447593.9	3752128.2	181.0	3.49	4.00
3.25	YES							
L0006521		0	0.44230E-06	447593.9	3752136.8	181.0	3.49	4.00
3.25	YES							
L0006522		0	0.44230E-06	447594.0	3752145.4	181.0	3.49	4.00
3.25	YES							
L0006523		0	0.44230E-06	447594.0	3752154.0	180.9	3.49	4.00
3.25	YES							
L0006524		0	0.44230E-06	447594.1	3752162.6	180.7	3.49	4.00
3.25	YES							
L0006525		0	0.44230E-06	447594.1	3752171.2	180.6	3.49	4.00
3.25	YES							
L0006526		0	0.44230E-06	447594.2	3752179.8	180.5	3.49	4.00
3.25	YES							
L0006527		0	0.44230E-06	447594.2	3752188.4	180.5	3.49	4.00
3.25	YES							
L0006528		0	0.44230E-06	447594.2	3752197.0	180.5	3.49	4.00
3.25	YES							
L0006529		0	0.44230E-06	447594.3	3752205.5	180.5	3.49	4.00
3.25	YES							
L0006530		0	0.44230E-06	447594.3	3752214.1	180.4	3.49	4.00
3.25	YES							
L0006531		0	0.44230E-06	447594.4	3752222.7	180.2	3.49	4.00
3.25	YES							
L0006532		0	0.44230E-06	447594.4	3752231.3	180.1	3.49	4.00
3.25	YES							
L0006533		0	0.44230E-06	447594.5	3752239.9	180.0	3.49	4.00
3.25	YES							
L0006534		0	0.44230E-06	447594.5	3752248.5	180.0	3.49	4.00
3.25	YES							
L0006535		0	0.11840E-05	447607.7	3752262.7	180.0	3.49	12.09
3.25	YES							
L0006536		0	0.11840E-05	447633.7	3752262.8	180.1	3.49	12.09
3.25	YES							
L0006537		0	0.11840E-05	447659.7	3752262.9	180.7	3.49	12.09
3.25	YES							
L0006538		0	0.11840E-05	447685.7	3752263.0	181.0	3.49	12.09
3.25	YES							
L0006539		0	0.11840E-05	447711.7	3752263.0	181.0	3.49	12.09
3.25	YES							
L0006540		0	0.11840E-05	447737.7	3752263.1	181.0	3.49	12.09
3.25	YES							
L0006541		0	0.11840E-05	447763.7	3752263.2	181.0	3.49	12.09
3.25	YES							
L0006542		0	0.11840E-05	447789.7	3752263.3	181.1	3.49	12.09

11794 Ops HRA

3.25	YES							
L0006543		0	0.11840E-05	447815.7	3752263.3	181.9	3.49	12.09
3.25	YES							
L0006544		0	0.11840E-05	447841.7	3752263.2	182.0	3.49	12.09
3.25	YES							
L0006545		0	0.11840E-05	447867.7	3752263.2	182.0	3.49	12.09
3.25	YES							
L0006546		0	0.11840E-05	447893.7	3752263.1	182.5	3.49	12.09
3.25	YES							
L0006547		0	0.11840E-05	447919.7	3752263.0	183.0	3.49	12.09
3.25	YES							
L0006548		0	0.11840E-05	447945.7	3752263.0	183.2	3.49	12.09
3.25	YES							
L0006549		0	0.11840E-05	447971.7	3752262.9	184.1	3.49	12.09
3.25	YES							
L0006550		0	0.11840E-05	447997.7	3752262.9	185.1	3.49	12.09

3.25 YES
 *** AERMOD - VERSION 16216r *** *** C:\LAKES\AERMOD VIEW\11794 OPS HRA\11794
 OPS HRA.ISC *** 08/01/19
 *** AERMET - VERSION 16216 *** ***
 *** 11:40:56

PAGE 23

*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

*** VOLUME SOURCE DATA ***

INIT.	URBAN	NUMBER	EMISSION	RATE		BASE	RELEASE	INIT.
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						
L0006551		0	0.11840E-05	448023.7	3752262.8	185.8	3.49	12.09
3.25	YES							
L0006552		0	0.11840E-05	448049.7	3752262.7	186.1	3.49	12.09
3.25	YES							
L0006553		0	0.11840E-05	448075.7	3752262.6	186.1	3.49	12.09
3.25	YES							
L0006554		0	0.11840E-05	448101.7	3752262.0	185.7	3.49	12.09
3.25	YES							
L0006555		0	0.11840E-05	448127.7	3752261.9	185.1	3.49	12.09
3.25	YES							
L0006556		0	0.11840E-05	448153.4	3752265.3	185.2	3.49	12.09

11794 Ops HRA

3.25	YES							
L0006557		0	0.11840E-05	448179.2	3752268.4	185.9	3.49	12.09
3.25	YES							
L0006558		0	0.11840E-05	448205.1	3752271.1	186.0	3.49	12.09
3.25	YES							
L0006559		0	0.11840E-05	448231.0	3752273.9	186.5	3.49	12.09
3.25	YES							
L0006560		0	0.11840E-05	448256.7	3752277.2	186.6	3.49	12.09
3.25	YES							
L0006561		0	0.11840E-05	448282.5	3752280.5	187.0	3.49	12.09
3.25	YES							
L0006562		0	0.11840E-05	448308.3	3752283.8	187.7	3.49	12.09
3.25	YES							
L0006563		0	0.11840E-05	448334.1	3752287.1	188.5	3.49	12.09
3.25	YES							
L0006564		0	0.11840E-05	448359.9	3752290.4	189.2	3.49	12.09
3.25	YES							
L0006565		0	0.11840E-05	448385.7	3752293.8	190.8	3.49	12.09
3.25	YES							
L0006566		0	0.11840E-05	448411.5	3752297.1	192.4	3.49	12.09
3.25	YES							
L0006567		0	0.28990E-06	447607.7	3752262.7	180.0	3.49	12.09
3.25	YES							
L0006568		0	0.28990E-06	447633.7	3752262.8	180.1	3.49	12.09
3.25	YES							
L0006569		0	0.28990E-06	447659.7	3752262.9	180.7	3.49	12.09
3.25	YES							
L0006570		0	0.28990E-06	447685.7	3752263.0	181.0	3.49	12.09
3.25	YES							
L0006571		0	0.28990E-06	447711.7	3752263.0	181.0	3.49	12.09
3.25	YES							
L0006572		0	0.28990E-06	447737.7	3752263.1	181.0	3.49	12.09
3.25	YES							
L0006573		0	0.28990E-06	447763.7	3752263.2	181.0	3.49	12.09
3.25	YES							
L0006574		0	0.28990E-06	447789.7	3752263.3	181.1	3.49	12.09
3.25	YES							
L0006575		0	0.28990E-06	447815.7	3752263.3	181.9	3.49	12.09
3.25	YES							
L0006576		0	0.28990E-06	447841.7	3752263.2	182.0	3.49	12.09
3.25	YES							
L0006577		0	0.28990E-06	447867.7	3752263.2	182.0	3.49	12.09
3.25	YES							
L0006578		0	0.28990E-06	447893.7	3752263.1	182.5	3.49	12.09
3.25	YES							
L0006579		0	0.28990E-06	447919.7	3752263.0	183.0	3.49	12.09
3.25	YES							
L0006580		0	0.28990E-06	447945.7	3752263.0	183.2	3.49	12.09

11794 Ops HRA

3.25	YES							
L0006581		0	0.28990E-06	447971.7	3752262.9	184.1	3.49	12.09
3.25	YES							
L0006582		0	0.28990E-06	447997.7	3752262.9	185.1	3.49	12.09
3.25	YES							
L0006583		0	0.28990E-06	448023.7	3752262.8	185.8	3.49	12.09
3.25	YES							
L0006584		0	0.28990E-06	448049.7	3752262.7	186.1	3.49	12.09
3.25	YES							
L0006585		0	0.28990E-06	448075.7	3752262.6	186.1	3.49	12.09
3.25	YES							
L0006586		0	0.28990E-06	448101.7	3752262.0	185.7	3.49	12.09
3.25	YES							
L0006587		0	0.28990E-06	448123.3	3752257.6	185.3	3.49	12.09
3.25	YES							
L0006588		0	0.28990E-06	448119.8	3752231.9	186.2	3.49	12.09
3.25	YES							
L0006589		0	0.28990E-06	448116.3	3752206.1	187.0	3.49	12.09
3.25	YES							
L0006590		0	0.28990E-06	448112.8	3752180.3	187.9	3.49	12.09

*** AERMOD - VERSION 16216r ***
 OPS HRA.ISC
 *** AERMET - VERSION 16216 ***
 *** C:\LAKES\AERMOD VIEW\11794 OPS HRA\11794
 08/01/19
 11:40:56

PAGE 24

*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

*** 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)

L0006591		0	0.28990E-06	448109.3	3752154.6	188.7	3.49	12.09
3.25	YES							
L0006592		0	0.28990E-06	448105.8	3752128.8	189.0	3.49	12.09
3.25	YES							
L0006593		0	0.28990E-06	448102.3	3752103.0	189.0	3.49	12.09
3.25	YES							
L0006594		0	0.28990E-06	448098.8	3752077.3	188.7	3.49	12.09

11794 Ops HRA

3.25	YES						
L0006595		0	0.28990E-06	448095.3	3752051.5	187.8	12.09
3.25	YES						
L0006596		0	0.28990E-06	448091.8	3752025.8	187.0	12.09
3.25	YES						
L0006597		0	0.28990E-06	448088.4	3752000.0	187.0	12.09
3.25	YES						
L0006598		0	0.28990E-06	448084.9	3751974.2	186.3	12.09
3.25	YES						
L0006599		0	0.28990E-06	448081.4	3751948.5	186.0	12.09
3.25	YES						
L0006600		0	0.28990E-06	448078.0	3751922.7	185.7	12.09
3.25	YES						
L0006601		0	0.28990E-06	448074.6	3751896.9	185.3	12.09
3.25	YES						
L0006602		0	0.28990E-06	448071.3	3751871.1	185.0	12.09
3.25	YES						
L0006603		0	0.28990E-06	448067.9	3751845.3	185.0	12.09
3.25	YES						
L0006604		0	0.28990E-06	448064.5	3751819.6	185.2	12.09
3.25	YES						
L0006605		0	0.28990E-06	448061.1	3751793.8	185.1	12.09
3.25	YES						
L0006606		0	0.28990E-06	448057.8	3751768.0	185.6	12.09
3.25	YES						
L0006607		0	0.28990E-06	448054.4	3751742.2	185.9	12.09
3.25	YES						
L0006608		0	0.28990E-06	448051.0	3751716.4	186.2	12.09
3.25	YES						
L0006609		0	0.28990E-06	448047.7	3751690.7	186.8	12.09
3.25	YES						
L0006610		0	0.28990E-06	448044.3	3751664.9	187.5	12.09
3.25	YES						
L0006611		0	0.28990E-06	448040.9	3751639.1	188.3	12.09
3.25	YES						
L0006612		0	0.28990E-06	448037.5	3751613.3	189.6	12.09
3.25	YES						
L0006613		0	0.28990E-06	448034.2	3751587.5	190.7	12.09
3.25	YES						
L0006614		0	0.28990E-06	448030.8	3751561.8	192.0	12.09
3.25	YES						
L0006615		0	0.28990E-06	448027.4	3751536.0	193.3	12.09
3.25	YES						
L0006616		0	0.28990E-06	448024.1	3751510.2	194.0	12.09
3.25	YES						
L0006617		0	0.28990E-06	448020.7	3751484.4	194.7	12.09
3.25	YES						
L0006618		0	0.28990E-06	448017.3	3751458.6	194.6	12.09

11794 Ops HRA

3.25	YES							
L0006619		0	0.28990E-06	448013.9	3751432.9	194.1	3.49	12.09
3.25	YES							
L0006620		0	0.28990E-06	448010.6	3751407.1	193.4	3.49	12.09
3.25	YES							
L0006621		0	0.28990E-06	448007.2	3751381.3	192.5	3.49	12.09
3.25	YES							
L0006622		0	0.28990E-06	448003.8	3751355.5	191.6	3.49	12.09
3.25	YES							
L0006623		0	0.28990E-06	448000.5	3751329.7	190.8	3.49	12.09
3.25	YES							
L0006624		0	0.28990E-06	447997.1	3751303.9	190.0	3.49	12.09
3.25	YES							
L0006625		0	0.28990E-06	447993.7	3751278.2	189.1	3.49	12.09
3.25	YES							
L0006626		0	0.28990E-06	447990.3	3751252.4	188.2	3.49	12.09
3.25	YES							
L0006627		0	0.28990E-06	447987.0	3751226.6	186.7	3.49	12.09
3.25	YES							
L0006628		0	0.28990E-06	447983.6	3751200.8	185.2	3.49	12.09
3.25	YES							
L0006629		0	0.28990E-06	447980.2	3751175.0	184.3	3.49	12.09
3.25	YES							
L0006630		0	0.28990E-06	447976.9	3751149.3	183.5	3.49	12.09

*** AERMOD - VERSION 16216r ***
 OPS HRA.ISC
 *** AERMET - VERSION 16216 ***
 *** C:\LAKES\AERMOD VIEW\11794 OPS HRA\11794
 08/01/19
 11:40:56

PAGE 25

*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

*** 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)
L0006631		0	0.28990E-06	447973.5	3751123.5	182.8	3.49	12.09
3.25	YES							
L0006632		0	0.28990E-06	447970.1	3751097.7	182.0	3.49	12.09

11794 Ops HRA

3.25	YES						
L0006633		0	0.28990E-06	447966.7	3751071.9	181.2	12.09
3.25	YES						
L0006634		0	0.28990E-06	447963.4	3751046.1	180.3	12.09
3.25	YES						
L0006635		0	0.28990E-06	447960.0	3751020.4	179.5	12.09
3.25	YES						
L0006636		0	0.28990E-06	447956.6	3750994.6	178.6	12.09
3.25	YES						
L0006637		0	0.28990E-06	447953.3	3750968.8	178.1	12.09
3.25	YES						
L0006638		0	0.28990E-06	447949.9	3750943.0	178.5	12.09
3.25	YES						
L0006639		0	0.28990E-06	447946.5	3750917.2	179.2	12.09
3.25	YES						
L0006640		0	0.28990E-06	447943.1	3750891.5	180.1	12.09
3.25	YES						
L0006641		0	0.28990E-06	447939.8	3750865.7	180.7	12.09
3.25	YES						
L0006642		0	0.28990E-06	447936.3	3750839.9	181.4	12.09
3.25	YES						
L0006643		0	0.28990E-06	447932.7	3750814.2	181.8	12.09
3.25	YES						
L0006644		0	0.28990E-06	447929.1	3750788.4	181.7	12.09
3.25	YES						
L0006645		0	0.28990E-06	447925.5	3750762.7	181.5	12.09
3.25	YES						
L0006646		0	0.28990E-06	447921.9	3750736.9	181.4	12.09
3.25	YES						
L0006647		0	0.28990E-06	447918.3	3750711.2	180.7	12.09
3.25	YES						
L0006648		0	0.28990E-06	447914.7	3750685.4	180.2	12.09
3.25	YES						
L0006649		0	0.28990E-06	447911.1	3750659.7	180.0	12.09
3.25	YES						
L0006650		0	0.28990E-06	447907.5	3750633.9	180.0	12.09
3.25	YES						
L0006651		0	0.28990E-06	447903.9	3750608.2	180.3	12.09
3.25	YES						
L0006652		0	0.28990E-06	447900.3	3750582.4	181.1	12.09
3.25	YES						
L0006653		0	0.28990E-06	447896.7	3750556.7	182.0	12.09
3.25	YES						
L0006654		0	0.28990E-06	447893.1	3750530.9	182.0	12.09
3.25	YES						
L0006655		0	0.28990E-06	447889.5	3750505.2	182.2	12.09
3.25	YES						
L0006656		0	0.28990E-06	447885.9	3750479.4	182.2	12.09

11794 Ops HRA

3.25	YES							
L0006657		0	0.28990E-06	447882.3	3750453.7	182.1	3.49	12.09
3.25	YES							
L0006658		0	0.28990E-06	447878.7	3750427.9	182.0	3.49	12.09
3.25	YES							
L0006659		0	0.28990E-06	447875.1	3750402.2	182.0	3.49	12.09
3.25	YES							
L0006660		0	0.28990E-06	447871.5	3750376.4	182.0	3.49	12.09
3.25	YES							
L0006661		0	0.28990E-06	447867.9	3750350.7	181.7	3.49	12.09
3.25	YES							
L0006662		0	0.28990E-06	447864.3	3750324.9	181.5	3.49	12.09
3.25	YES							
L0006663		0	0.28990E-06	447860.7	3750299.2	181.2	3.49	12.09
3.25	YES							
L0006664		0	0.28990E-06	447857.1	3750273.4	180.9	3.49	12.09
3.25	YES							
L0006665		0	0.28990E-06	447853.5	3750247.7	180.6	3.49	12.09
3.25	YES							
L0006666		0	0.28990E-06	447849.9	3750221.9	180.0	3.49	12.09
3.25	YES							
L0006667		0	0.28990E-06	447846.3	3750196.2	180.0	3.49	12.09
3.25	YES							
L0006668		0	0.28990E-06	447842.7	3750170.4	179.3	3.49	12.09
3.25	YES							
L0006669		0	0.28990E-06	447839.1	3750144.7	179.1	3.49	12.09
3.25	YES							
L0006670		0	0.28990E-06	447835.4	3750118.9	179.0	3.49	12.09

*** AERMOD - VERSION 16216r ***
 OPS HRA.ISC
 *** AERMET - VERSION 16216 ***
 *** C:\LAKES\AERMOD VIEW\11794 OPS HRA\11794
 08/01/19
 11:40:56

PAGE 26

*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

*** 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				

11794 Ops HRA

L0006671	0	0.28990E-06	447831.8	3750093.2	178.8	3.49	12.09
3.25 YES							
L0006672	0	0.28990E-06	447828.2	3750067.4	178.5	3.49	12.09
3.25 YES							
L0006673	0	0.28990E-06	447824.6	3750041.7	179.0	3.49	12.09
3.25 YES							
L0006674	0	0.28990E-06	447821.0	3750015.9	179.0	3.49	12.09
3.25 YES							
L0006675	0	0.28990E-06	447817.4	3749990.2	179.0	3.49	12.09
3.25 YES							
L0006676	0	0.28990E-06	447813.8	3749964.4	179.0	3.49	12.09
3.25 YES							
L0006677	0	0.28990E-06	447810.2	3749938.7	179.0	3.49	12.09
3.25 YES							
L0006678	0	0.28990E-06	447806.6	3749912.9	179.0	3.49	12.09
3.25 YES							
L0006679	0	0.44580E-06	447602.9	3751430.2	183.8	3.49	9.30
3.25 YES							
L0006680	0	0.44580E-06	447622.9	3751430.5	184.1	3.49	9.30
3.25 YES							
L0006681	0	0.44580E-06	447642.9	3751430.9	184.2	3.49	9.30
3.25 YES							
L0006682	0	0.44580E-06	447662.9	3751431.2	184.8	3.49	9.30
3.25 YES							
L0006683	0	0.44580E-06	447682.9	3751431.5	185.5	3.49	9.30
3.25 YES							
L0006684	0	0.44580E-06	447702.9	3751431.9	186.1	3.49	9.30
3.25 YES							
L0006685	0	0.44580E-06	447722.9	3751432.2	186.6	3.49	9.30
3.25 YES							
L0006686	0	0.44580E-06	447742.8	3751432.5	186.9	3.49	9.30
3.25 YES							
L0006687	0	0.44580E-06	447762.8	3751432.8	187.1	3.49	9.30
3.25 YES							
L0006688	0	0.44580E-06	447782.8	3751433.2	187.8	3.49	9.30
3.25 YES							
L0006689	0	0.44580E-06	447802.8	3751433.5	188.6	3.49	9.30
3.25 YES							
L0006690	0	0.44580E-06	447822.8	3751433.8	189.6	3.49	9.30
3.25 YES							
L0006691	0	0.44580E-06	447842.8	3751434.1	191.4	3.49	9.30
3.25 YES							
L0006692	0	0.44580E-06	447862.8	3751434.5	192.5	3.49	9.30
3.25 YES							
L0006693	0	0.44580E-06	447882.8	3751434.8	193.1	3.49	9.30
3.25 YES							
L0006694	0	0.44580E-06	447902.8	3751435.1	193.8	3.49	9.30

11794 Ops HRA

3.25	YES							
L0006695		0	0.44580E-06	447922.8	3751435.4	194.0	3.49	9.30
3.25	YES							
L0006696		0	0.44580E-06	447942.8	3751435.8	194.0	3.49	9.30
3.25	YES							
L0006697		0	0.44580E-06	447962.8	3751436.1	194.0	3.49	9.30
3.25	YES							
L0006698		0	0.44580E-06	447982.8	3751436.4	194.0	3.49	9.30
3.25	YES							
L0006699		0	0.44580E-06	448002.8	3751436.8	194.0	3.49	9.30
3.25	YES							
L0006700		0	0.44580E-06	448014.1	3751429.3	194.1	3.49	9.30
3.25	YES							
L0006701		0	0.44580E-06	448011.4	3751409.5	193.4	3.49	9.30
3.25	YES							
L0006702		0	0.44580E-06	448008.8	3751389.7	192.8	3.49	9.30
3.25	YES							
L0006703		0	0.44580E-06	448006.1	3751369.8	192.1	3.49	9.30
3.25	YES							
L0006704		0	0.44580E-06	448003.5	3751350.0	191.5	3.49	9.30
3.25	YES							
L0006705		0	0.44580E-06	448000.8	3751330.2	190.8	3.49	9.30
3.25	YES							
L0006706		0	0.44580E-06	447998.2	3751310.4	190.2	3.49	9.30
3.25	YES							
L0006707		0	0.44580E-06	447995.5	3751290.5	189.5	3.49	9.30
3.25	YES							
L0006708		0	0.44580E-06	447992.9	3751270.7	188.8	3.49	9.30
3.25	YES							
L0006709		0	0.44580E-06	447990.2	3751250.9	188.2	3.49	9.30
3.25	YES							
L0006710		0	0.44580E-06	447987.6	3751231.1	187.0	3.49	9.30

*** AERMOD - VERSION 16216r *** C:\LAKES\AERMOD VIEW\11794 OPS HRA\11794
 OPS HRA.ISC *** 08/01/19

*** AERMET - VERSION 16216 ***
 *** 11:40:56

PAGE 27

*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

*** VOLUME SOURCE DATA ***

INIT.	URBAN	NUMBER EMISSION RATE	BASE	RELEASE	INIT.
SOURCE	EMISSION RATE				
SZ	PART. (GRAMS/SEC)	X	Y	ELEV.	HEIGHT
	SCALAR VARY				SY

ID (METERS)	CATS.	BY	11794 Ops HRA (METERS) (METERS) (METERS) (METERS) (METERS)				
L0006711	0	0.44580E-06	447984.9	3751211.3	185.8	3.49	9.30
3.25 YES							
L0006712	0	0.44580E-06	447982.3	3751191.4	184.8	3.49	9.30
3.25 YES							
L0006713	0	0.44580E-06	447979.6	3751171.6	184.2	3.49	9.30
3.25 YES							
L0006714	0	0.44580E-06	447977.0	3751151.8	183.6	3.49	9.30
3.25 YES							
L0006715	0	0.44580E-06	447974.3	3751132.0	183.0	3.49	9.30
3.25 YES							
L0006716	0	0.44580E-06	447971.7	3751112.1	182.5	3.49	9.30
3.25 YES							
L0006717	0	0.44580E-06	447969.0	3751092.3	181.9	3.49	9.30
3.25 YES							
L0006718	0	0.44580E-06	447966.3	3751072.5	181.2	3.49	9.30
3.25 YES							
L0006719	0	0.44580E-06	447963.7	3751052.7	180.6	3.49	9.30
3.25 YES							
L0006720	0	0.44580E-06	447961.0	3751032.8	179.9	3.49	9.30
3.25 YES							
L0006721	0	0.44580E-06	447958.4	3751013.0	179.2	3.49	9.30
3.25 YES							
L0006722	0	0.44580E-06	447967.7	3751002.6	178.9	3.49	9.30
3.25 YES							
L0006723	0	0.44580E-06	447987.6	3751000.6	178.9	3.49	9.30
3.25 YES							
L0006724	0	0.44580E-06	448007.5	3750998.6	179.3	3.49	9.30
3.25 YES							
L0006725	0	0.44580E-06	448027.4	3750996.7	179.9	3.49	9.30
3.25 YES							
L0006726	0	0.44580E-06	448047.3	3750994.9	180.8	3.49	9.30
3.25 YES							
L0006727	0	0.44580E-06	448067.2	3750993.0	181.9	3.49	9.30
3.25 YES							
L0006728	0	0.44580E-06	448086.9	3750995.8	182.9	3.49	9.30
3.25 YES							
L0006729	0	0.44580E-06	448106.4	3751000.0	184.1	3.49	9.30
3.25 YES							
L0006730	0	0.44580E-06	448125.8	3751004.6	185.4	3.49	9.30
3.25 YES							
L0006731	0	0.44580E-06	448143.6	3751013.7	186.6	3.49	9.30
3.25 YES							
L0006732	0	0.44580E-06	448161.4	3751022.8	187.6	3.49	9.30

11794 Ops HRA

3.25	YES							
L0006733		0	0.44580E-06	448179.2	3751031.9	188.9	3.49	9.30
3.25	YES							
L0006734		0	0.44580E-06	448195.6	3751043.4	189.4	3.49	9.30
3.25	YES							
L0006735		0	0.44580E-06	448211.9	3751055.0	190.0	3.49	9.30
3.25	YES							
L0006736		0	0.44580E-06	448228.2	3751066.6	190.0	3.49	9.30
3.25	YES							
L0006737		0	0.44580E-06	448244.4	3751078.3	190.2	3.49	9.30
3.25	YES							
L0006738		0	0.44580E-06	448260.7	3751089.9	190.7	3.49	9.30
3.25	YES							
L0006739		0	0.44580E-06	448277.0	3751101.6	191.1	3.49	9.30
3.25	YES							
L0006740		0	0.44580E-06	448293.2	3751113.2	191.2	3.49	9.30
3.25	YES							
L0006741		0	0.44580E-06	448309.5	3751124.8	191.7	3.49	9.30
3.25	YES							
L0006742		0	0.44580E-06	448325.7	3751136.5	192.1	3.49	9.30
3.25	YES							
L0006743		0	0.44580E-06	448343.5	3751145.3	192.7	3.49	9.30
3.25	YES							
L0006744		0	0.44580E-06	448362.1	3751152.9	193.3	3.49	9.30
3.25	YES							
L0006745		0	0.14520E-05	447592.9	3751413.2	183.2	3.49	9.30
3.25	YES							
L0006746		0	0.14520E-05	447592.9	3751393.2	182.9	3.49	9.30
3.25	YES							
L0006747		0	0.14520E-05	447592.9	3751373.2	182.6	3.49	9.30
3.25	YES							
L0006748		0	0.14520E-05	447592.9	3751353.2	182.2	3.49	9.30
3.25	YES							
L0006749		0	0.14520E-05	447594.2	3751333.2	182.0	3.49	9.30
3.25	YES							
L0006750		0	0.14520E-05	447596.3	3751313.3	182.0	3.49	9.30

*** AERMOD - VERSION 16216r ***
 OPS HRA.ISC
 *** AERMET - VERSION 16216 ***
 *** C:\LAKES\AERMOD VIEW\11794 OPS HRA\11794
 08/01/19
 11:40:56

PAGE 28

*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

*** VOLUME SOURCE DATA ***

INIT.	URBAN	NUMBER EMISSION RATE	EMISSION RATE			BASE	RELEASE	INIT.
SZ	SOURCE	PART.	(GRAMS/SEC)	X	Y	ELEV.	HEIGHT	SY
ID	SOURCE	SCALAR VARY		(METERS)	(METERS)	(METERS)	(METERS)	(METERS)
(METERS)		CATS.	BY					
L0006751		0	0.14520E-05	447598.4	3751293.4	182.0	3.49	9.30
3.25	YES							
L0006752		0	0.14520E-05	447600.5	3751273.6	182.0	3.49	9.30
3.25	YES							
L0006753		0	0.14520E-05	447606.3	3751254.6	182.0	3.49	9.30
3.25	YES							
L0006754		0	0.14520E-05	447613.9	3751236.1	182.4	3.49	9.30
3.25	YES							
L0006755		0	0.14520E-05	447621.5	3751217.6	183.0	3.49	9.30
3.25	YES							
L0006756		0	0.14520E-05	447630.4	3751199.7	183.0	3.49	9.30
3.25	YES							
L0006757		0	0.14520E-05	447639.6	3751181.9	183.2	3.49	9.30
3.25	YES							
L0006758		0	0.14520E-05	447648.8	3751164.2	184.1	3.49	9.30
3.25	YES							
L0006759		0	0.14520E-05	447658.0	3751146.4	184.4	3.49	9.30
3.25	YES							
L0006760		0	0.14520E-05	447668.7	3751129.5	184.1	3.49	9.30
3.25	YES							
L0006761		0	0.14520E-05	447679.6	3751112.8	183.9	3.49	9.30
3.25	YES							
L0006762		0	0.14520E-05	447693.8	3751098.7	183.2	3.49	9.30
3.25	YES							
L0006763		0	0.14520E-05	447707.9	3751084.6	182.9	3.49	9.30
3.25	YES							
L0006764		0	0.14520E-05	447722.1	3751070.4	182.4	3.49	9.30
3.25	YES							
L0006765		0	0.14520E-05	447739.0	3751059.7	181.5	3.49	9.30
3.25	YES							
L0006766		0	0.14520E-05	447756.0	3751049.2	180.6	3.49	9.30
3.25	YES							
L0006767		0	0.14520E-05	447773.2	3751039.2	179.7	3.49	9.30
3.25	YES							
L0006768		0	0.14520E-05	447792.3	3751033.0	178.9	3.49	9.30
3.25	YES							
L0006769		0	0.14520E-05	447811.3	3751026.9	178.7	3.49	9.30
3.25	YES							
L0006770		0	0.14520E-05	447831.0	3751023.4	178.6	3.49	9.30

11794 Ops HRA

3.25	YES						
L0006771		0	0.14520E-05	447850.7	3751020.4	178.5	9.30
3.25	YES						
L0006772		0	0.14520E-05	447870.5	3751017.4	178.4	9.30
3.25	YES						
L0006773		0	0.14520E-05	447890.3	3751014.5	178.4	9.30
3.25	YES						
L0006774		0	0.14520E-05	447910.0	3751010.8	178.3	9.30
3.25	YES						
L0006775		0	0.14520E-05	447929.5	3751006.7	178.7	9.30
3.25	YES						
L0006776		0	0.14520E-05	447949.1	3751002.7	178.9	9.30
3.25	YES						
L0006777		0	0.14520E-05	447968.8	3750999.2	178.8	9.30
3.25	YES						
L0006778		0	0.14520E-05	447988.7	3750997.6	178.9	9.30
3.25	YES						
L0006779		0	0.14520E-05	448008.7	3750996.1	179.3	9.30
3.25	YES						
L0006780		0	0.14520E-05	448028.6	3750994.5	180.0	9.30
3.25	YES						
L0006781		0	0.14520E-05	448048.5	3750993.0	180.9	9.30
3.25	YES						
L0006782		0	0.14520E-05	448068.5	3750991.4	182.0	9.30
3.25	YES						
L0006783		0	0.14520E-05	448088.0	3750995.6	182.9	9.30
3.25	YES						
L0006784		0	0.14520E-05	448107.4	3751000.3	184.2	9.30
3.25	YES						
L0006785		0	0.14520E-05	448126.8	3751005.1	185.5	9.30
3.25	YES						
L0006786		0	0.14520E-05	448144.5	3751014.5	186.6	9.30
3.25	YES						
L0006787		0	0.14520E-05	448162.1	3751023.9	187.7	9.30
3.25	YES						
L0006788		0	0.14520E-05	448179.7	3751033.4	188.9	9.30
3.25	YES						
L0006789		0	0.14520E-05	448197.4	3751042.8	189.5	9.30
3.25	YES						
L0006790		0	0.14520E-05	448215.0	3751052.2	190.1	9.30

3.25 YES
 *** AERMOD - VERSION 16216r *** *** C:\LAKES\AERMOD VIEW\11794 OPS HRA\11794
 OPS HRA.ISC *** 08/01/19
 *** AERMET - VERSION 16216 *** ***
 *** 11:40:56

PAGE 29

*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

11794 Ops HRA

*** VOLUME SOURCE DATA ***

INIT.	URBAN	NUMBER EMISSION RATE	BASE	RELEASE	INIT.
SOURCE	SCALAR	PART. (GRAMS/SEC)	X	Y	SY
SZ	SOURCE	SCALAR VARY	ELEV.	HEIGHT	(METERS)
ID	CATS.	BY	(METERS)	(METERS)	(METERS)
(METERS)					

L0006791	0	0.14520E-05	448231.9	3751062.8	190.1	3.49	9.30
3.25 YES							
L0006792	0	0.14520E-05	448247.8	3751075.0	190.3	3.49	9.30
3.25 YES							
L0006793	0	0.14520E-05	448263.7	3751087.1	190.8	3.49	9.30
3.25 YES							
L0006794	0	0.14520E-05	448279.6	3751099.2	191.2	3.49	9.30
3.25 YES							
L0006795	0	0.14520E-05	448295.8	3751110.9	191.4	3.49	9.30
3.25 YES							
L0006796	0	0.14520E-05	448312.3	3751122.2	192.0	3.49	9.30
3.25 YES							
L0006797	0	0.14520E-05	448328.8	3751133.5	192.5	3.49	9.30
3.25 YES							
L0006798	0	0.14520E-05	448345.3	3751144.8	192.8	3.49	9.30
3.25 YES							
L0006799	0	0.14520E-05	448361.8	3751156.1	193.1	3.49	9.30
3.25 YES							

*** AERMOD - VERSION 16216r ***
 OPS HRA.ISC
 *** AERMET - VERSION 16216 ***
 *** C:\LAKES\AERMOD VIEW\11794 OPS HRA\11794
 08/01/19
 11:40:56

PAGE 30

*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

*** SOURCE IDs DEFINING SOURCE GROUPS

SRCGROUP ID

SOURCE IDs

ALL L0005711 , L0005712 , L0005713 , L0005714 , L0005715 ,

11794 Ops HRA

L0005716	, L0007062	, L0007063	,			
	L0007064	, L0007065	, L0007066	, L0007067	, L0007068	,
L0007069	, L0007070	, L0007071	,			
	L0007072	, L0007073	, L0007074	, L0007075	, L0007076	,
L0007077	, L0005733	, L0005734	,			
	L0005735	, L0005736	, L0005737	, L0005738	, L0005739	,
L0005740	, L0005741	, L0005742	,			
	L0005743	, L0005744	, L0005745	, L0005746	, L0005747	,
L0005748	, L0005749	, L0005750	,			
	L0005751	, L0005752	, L0005753	, L0005754	, L0005755	,
L0005756	, L0005757	, L0005758	,			
	L0005759	, L0005760	, L0005761	, L0005762	, L0005763	,
L0005764	, L0005765	, L0005766	,			
	L0005767	, L0005768	, L0005769	, L0005770	, L0005771	,
L0005772	, L0005773	, L0005774	,			
	L0005775	, L0005776	, L0005777	, L0005778	, L0005779	,
L0005780	, L0005781	, L0005782	,			
	L0005783	, L0005784	, L0005785	, L0005786	, L0005787	,
L0005788	, L0005789	, L0007051	,			
	L0007052	, L0007053	, L0007054	, L0007055	, L0007056	,
L0007057	, L0007058	, L0007059	,			
	L0007060	, L0007061	, L0005801	, L0005802	, L0005803	,
L0005804	, L0005805	, L0005806	,			
	L0005807	, L0005808	, L0005809	, L0005810	, L0005811	,
L0005812	, L0005813	, L0005814	,			
	L0005815	, L0005816	, L0005817	, L0005818	, L0005819	,
L0005820	, L0005821	, L0005822	,			
	L0005823	, L0005824	, L0005825	, L0005826	, L0005827	,
L0005828	, L0005829	, L0005830	,			
	L0005831	, L0005832	, L0005833	, L0005834	, L0005835	,
L0005836	, L0005837	, L0005838	,			
	L0005839	, L0005840	, L0005841	, L0005842	, L0007041	,

11794 Ops HRA

L0007042 , L0007043 , L0007044 ,

L0007050 , L0007045 , L0007046 , L0007047 , L0007048 , L0007049 ,

L0005860 , L0005853 , L0005854 ,

L0005860 , L0005855 , L0005856 , L0005857 , L0005858 , L0005859 ,

L0005860 , L0005861 , L0005862 ,

L0005868 , L0005863 , L0005864 , L0005865 , L0005866 , L0005867 ,

L0005868 , L0005869 , L0005870 ,

▲ *** AERMOD - VERSION 16216r *** *** C:\LAKES\AERMOD VIEW\11794 OPS HRA\11794
OPS HRA.ISC *** 08/01/19

*** AERMET - VERSION 16216 *** ***

*** 11:40:56

PAGE 31

*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

*** SOURCE IDs DEFINING SOURCE GROUPS

SRCGROUP ID	SOURCE IDs
-----	-----
L0005876	L0005871 , L0005872 , L0005873 , L0005874 , L0005875 , L0005876 , L0005877 , L0005878 ,
L0005884	L0005879 , L0005880 , L0005881 , L0005882 , L0005883 , L0005884 , L0005885 , L0005886 ,
L0005892	L0005887 , L0005888 , L0005889 , L0005890 , L0005891 , L0005892 , L0005893 , L0005894 ,
L0005900	L0005895 , L0005896 , L0005897 , L0005898 , L0005899 , L0005900 , L0005901 , L0005902 ,
L0005908	L0005903 , L0005904 , L0005905 , L0005906 , L0005907 , L0005908 , L0005909 , L0005910 ,
L0005916	L0005911 , L0005912 , L0005913 , L0005914 , L0005915 , L0005916 , L0005917 , L0005918 ,
L0005924	L0005919 , L0005920 , L0005921 , L0005922 , L0005923 , L0005924 , L0005925 , L0005926 ,
	L0005927 , L0005928 , L0005929 , L0006992 , L0006993 ,

11794 Ops HRA

L0006994 , L0006995 , L0006996 ,
 L0007002 L0006997 , L0006998 , L0006999 , L0007000 , L0007001 ,
 , L0007003 , L0007004 ,
 L0007010 L0007005 , L0007006 , L0007007 , L0007008 , L0007009 ,
 , L0007011 , L0007012 ,
 L0007018 L0007013 , L0007014 , L0007015 , L0007016 , L0007017 ,
 , L0007019 , L0007020 ,
 L0007026 L0007021 , L0007022 , L0007023 , L0007024 , L0007025 ,
 , L0007027 , L0007028 ,
 L0007034 L0007029 , L0007030 , L0007031 , L0007032 , L0007033 ,
 , L0007035 , L0007036 ,
 L0006942 L0007037 , L0007038 , L0007039 , L0007040 , L0006941 ,
 , L0006943 , L0006944 ,
 L0006950 L0006945 , L0006946 , L0006947 , L0006948 , L0006949 ,
 , L0006951 , L0006952 ,
 L0006958 L0006953 , L0006954 , L0006955 , L0006956 , L0006957 ,
 , L0006959 , L0006960 ,
 L0006966 L0006961 , L0006962 , L0006963 , L0006964 , L0006965 ,
 , L0006967 , L0006968 ,
 L0006974 L0006969 , L0006970 , L0006971 , L0006972 , L0006973 ,
 , L0006975 , L0006976 ,
 L0006982 L0006977 , L0006978 , L0006979 , L0006980 , L0006981 ,
 , L0006983 , L0006984 ,
 L0006990 L0006985 , L0006986 , L0006987 , L0006988 , L0006989 ,
 , L0006991 , L0006030 ,

▲ *** AERMOD - VERSION 16216r *** *** C:\LAKES\AERMOD VIEW\11794 OPS HRA\11794
 OPS HRA.ISC *** 08/01/19

*** AERMET - VERSION 16216 *** ***

11:40:56

PAGE 32

*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

*** SOURCE IDs DEFINING SOURCE GROUPS

11794 Ops HRA

SRCGROUP ID		SOURCE IDs					
-----		-----					
L0006036	L0006031 , L0006037	, L0006032 , L0006038	, L0006033 ,	, L0006034	, L0006035	,	
L0006044	L0006039 , L0006045	, L0006040 , L0006046	, L0006041 ,	, L0006042	, L0006043	,	
L0006052	L0006047 , L0006053	, L0006048 , L0006054	, L0006049 ,	, L0006050	, L0006051	,	
L0006060	L0006055 , L0006061	, L0006056 , L0006062	, L0006057 ,	, L0006058	, L0006059	,	
L0006068	L0006063 , L0006069	, L0006064 , L0006070	, L0006065 ,	, L0006066	, L0006067	,	
L0006076	L0006071 , L0006077	, L0006072 , L0006078	, L0006073 ,	, L0006074	, L0006075	,	
L0006084	L0006079 , L0006085	, L0006080 , L0006086	, L0006081 ,	, L0006082	, L0006083	,	
L0006092	L0006087 , L0006093	, L0006088 , L0006094	, L0006089 ,	, L0006090	, L0006091	,	
L0006100	L0006095 , L0006101	, L0006096 , L0006102	, L0006097 ,	, L0006098	, L0006099	,	
L0006108	L0006103 , L0006109	, L0006104 , L0006110	, L0006105 ,	, L0006106	, L0006107	,	
L0006116	L0006111 , L0006117	, L0006112 , L0006118	, L0006113 ,	, L0006114	, L0006115	,	
L0006124	L0006119 , L0006125	, L0006120 , L0006126	, L0006121 ,	, L0006122	, L0006123	,	
L0006132	L0006127 , L0006133	, L0006128 , L0006134	, L0006129 ,	, L0006130	, L0006131	,	
L0006140	L0006135 , L0006141	, L0006136 , L0006142	, L0006137 ,	, L0006138	, L0006139	,	
	L0006143	, L0006144	, L0006145	, L0006146	, L0006147	,	

11794 Ops HRA

L0006148 , L0006149 , L0006150 ,
 L0006156 , L0006157 , L0006158 , L0006153 , L0006154 , L0006155 ,
 L0006164 , L0006165 , L0006166 , L0006161 , L0006162 , L0006163 ,
 L0006172 , L0006173 , L0006174 , L0006169 , L0006170 , L0006171 ,
 L0006180 , L0006181 , L0006182 , L0006177 , L0006178 , L0006179 ,
 L0006188 , L0006189 , L0006190 , L0006183 , L0006184 , L0006185 , L0006186 , L0006187 ,
 *** AERMOD - VERSION 16216r *** C:\LAKES\AERMOD VIEW\11794 OPS HRA\11794
 OPS HRA.ISC *** 08/01/19
 *** AERMET - VERSION 16216 ***
 *** 11:40:56

PAGE 33

*** MODELOPTs: RegDFault CONC ELEV URBAN ADJ_U*

*** SOURCE IDs DEFINING SOURCE GROUPS

SRCGROUP ID

SOURCE IDs

L0006196 , L0006197 , L0006192 , L0006193 , L0006194 , L0006195 ,
 L0006204 , L0006205 , L0006200 , L0006201 , L0006202 , L0006203 ,
 L0006212 , L0006213 , L0006207 , L0006208 , L0006209 , L0006210 , L0006211 ,
 L0006220 , L0006221 , L0006215 , L0006216 , L0006217 , L0006218 , L0006219 ,
 L0006228 , L0006229 , L0006223 , L0006224 , L0006225 , L0006226 , L0006227 ,
 L0006231 , L0006232 , L0006233 , L0006234 , L0006235 ,

11794 Ops HRA

L0006236	, L0006237	, L0006238	,			
	L0006239	, L0006240	, L0006241	, L0006242	, L0006243	,
L0006244	, L0006245	, L0006246	,			
	L0006247	, L0006248	, L0006249	, L0006250	, L0006251	,
L0006252	, L0006253	, L0006254	,			
	L0006255	, L0006256	, L0006257	, L0006258	, L0006259	,
L0006260	, L0006261	, L0006262	,			
	L0006263	, L0006264	, L0006265	, L0006266	, L0006267	,
L0006268	, L0006269	, L0006270	,			
	L0006271	, L0006272	, L0006273	, L0006274	, L0006275	,
L0006276	, L0006277	, L0006278	,			
	L0006279	, L0006280	, L0006281	, L0006282	, L0006283	,
L0006284	, L0006285	, L0006286	,			
	L0006287	, L0006288	, L0006289	, L0006290	, L0006291	,
L0006292	, L0006293	, L0006294	,			
	L0006295	, L0006296	, L0006297	, L0006298	, L0006299	,
L0006300	, L0006301	, L0006302	,			
	L0006303	, L0006304	, L0006305	, L0006306	, L0006307	,
L0006308	, L0006309	, L0006310	,			
	L0006311	, L0006312	, L0006313	, L0006314	, L0006315	,
L0006316	, L0006317	, L0006318	,			
	L0006319	, L0006320	, L0006321	, L0006322	, L0006323	,
L0006324	, L0006325	, L0006326	,			
	L0006327	, L0006328	, L0006329	, L0006330	, L0006331	,
L0006332	, L0006333	, L0006334	,			
	L0006335	, L0006336	, L0006337	, L0006338	, L0006339	,
L0006340	, L0006341	, L0006342	,			
	L0006343	, L0006344	, L0006345	, L0006346	, L0006347	,
L0006348	, L0006349	, L0006350	,			

*** AERMOD - VERSION 16216r *** C:\LAKES\AERMOD VIEW\11794 OPS HRA\11794
 OPS HRA.ISC *** 08/01/19
 *** AERMET - VERSION 16216 ***
 *** 11:40:56

*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

*** SOURCE IDs DEFINING SOURCE GROUPS

SRCGROUP ID	SOURCE IDs					
-----	-----					
L0006900	L0006351	, L0006352	, L0006353	, L0006898	, L0006899	,
	, L0006901	, L0006902	,			
L0006908	L0006903	, L0006904	, L0006905	, L0006906	, L0006907	,
	, L0006909	, L0006910	,			
L0006916	L0006911	, L0006912	, L0006913	, L0006914	, L0006915	,
	, L0006917	, L0006918	,			
L0006924	L0006919	, L0006920	, L0006921	, L0006922	, L0006923	,
	, L0006925	, L0006926	,			
L0006932	L0006927	, L0006928	, L0006929	, L0006930	, L0006931	,
	, L0006933	, L0006934	,			
L0006940	L0006935	, L0006936	, L0006937	, L0006938	, L0006939	,
	, L0006855	, L0006856	,			
L0006862	L0006857	, L0006858	, L0006859	, L0006860	, L0006861	,
	, L0006863	, L0006864	,			
L0006870	L0006865	, L0006866	, L0006867	, L0006868	, L0006869	,
	, L0006871	, L0006872	,			
L0006878	L0006873	, L0006874	, L0006875	, L0006876	, L0006877	,
	, L0006879	, L0006880	,			
L0006886	L0006881	, L0006882	, L0006883	, L0006884	, L0006885	,
	, L0006887	, L0006888	,			
L0006894	L0006889	, L0006890	, L0006891	, L0006892	, L0006893	,
	, L0006895	, L0006896	,			
L0006444	L0006897	, L0006440	, L0006441	, L0006442	, L0006443	,
	, L0006445	, L0006446	,			
	L0006447	, L0006448	, L0006449	, L0006450	, L0006451	,

11794 Ops HRA

L0006452 , L0006453 , L0006454 ,
 L0006455 , L0006456 , L0006457 , L0006458 , L0006459 ,
 L0006460 , L0006461 , L0006462 ,
 L0006463 , L0006464 , L0006465 , L0006466 , L0006467 ,
 L0006468 , L0006469 , L0006470 ,
 L0006471 , L0006472 , L0006473 , L0006474 , L0006475 ,
 L0006476 , L0006477 , L0006478 ,
 L0006479 , L0006480 , L0006481 , L0006482 , L0006483 ,
 L0006484 , L0006485 , L0006486 ,
 L0006487 , L0006488 , L0006489 , L0006490 , L0006491 ,
 L0006492 , L0006493 , L0006494 ,
 L0006495 , L0006496 , L0006497 , L0006498 , L0006499 ,
 L0006500 , L0006501 , L0006502 ,
 L0006503 , L0006504 , L0006505 , L0006506 , L0006507 ,
 L0006508 , L0006509 , L0006510 ,
 *** AERMOD - VERSION 16216r *** C:\LAKES\AERMOD VIEW\11794 OPS HRA\11794
 OPS HRA.ISC *** 08/01/19
 *** AERMET - VERSION 16216 ***
 *** 11:40:56

PAGE 35

*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

*** SOURCE IDs DEFINING SOURCE GROUPS

SRCGROUP ID

SOURCE IDs

L0006511 , L0006512 , L0006513 , L0006514 , L0006515 ,
 L0006516 , L0006517 , L0006518 ,
 L0006519 , L0006520 , L0006521 , L0006522 , L0006523 ,
 L0006524 , L0006525 , L0006526 ,
 L0006527 , L0006528 , L0006529 , L0006530 , L0006531 ,
 L0006532 , L0006533 , L0006534 ,
 L0006535 , L0006536 , L0006537 , L0006538 , L0006539 ,

11794 Ops HRA

L0006540	, L0006541	, L0006542	,			
	L0006543	, L0006544	, L0006545	, L0006546	, L0006547	,
L0006548	, L0006549	, L0006550	,			
	L0006551	, L0006552	, L0006553	, L0006554	, L0006555	,
L0006556	, L0006557	, L0006558	,			
	L0006559	, L0006560	, L0006561	, L0006562	, L0006563	,
L0006564	, L0006565	, L0006566	,			
	L0006567	, L0006568	, L0006569	, L0006570	, L0006571	,
L0006572	, L0006573	, L0006574	,			
	L0006575	, L0006576	, L0006577	, L0006578	, L0006579	,
L0006580	, L0006581	, L0006582	,			
	L0006583	, L0006584	, L0006585	, L0006586	, L0006587	,
L0006588	, L0006589	, L0006590	,			
	L0006591	, L0006592	, L0006593	, L0006594	, L0006595	,
L0006596	, L0006597	, L0006598	,			
	L0006599	, L0006600	, L0006601	, L0006602	, L0006603	,
L0006604	, L0006605	, L0006606	,			
	L0006607	, L0006608	, L0006609	, L0006610	, L0006611	,
L0006612	, L0006613	, L0006614	,			
	L0006615	, L0006616	, L0006617	, L0006618	, L0006619	,
L0006620	, L0006621	, L0006622	,			
	L0006623	, L0006624	, L0006625	, L0006626	, L0006627	,
L0006628	, L0006629	, L0006630	,			
	L0006631	, L0006632	, L0006633	, L0006634	, L0006635	,
L0006636	, L0006637	, L0006638	,			
	L0006639	, L0006640	, L0006641	, L0006642	, L0006643	,
L0006644	, L0006645	, L0006646	,			
	L0006647	, L0006648	, L0006649	, L0006650	, L0006651	,
L0006652	, L0006653	, L0006654	,			
	L0006655	, L0006656	, L0006657	, L0006658	, L0006659	,
L0006660	, L0006661	, L0006662	,			
	L0006663	, L0006664	, L0006665	, L0006666	, L0006667	,

11794 Ops HRA

L0006668 , L0006669 , L0006670 ,

▲ *** AERMOD - VERSION 16216r *** *** C:\LAKES\AERMOD VIEW\11794 OPS HRA\11794
OPS HRA.ISC *** 08/01/19

*** AERMET - VERSION 16216 *** ***

*** 11:40:56

PAGE 36

*** MODELOPTs: RegDFault CONC ELEV URBAN ADJ_U*

*** SOURCE IDs DEFINING SOURCE GROUPS

SRCGROUP ID	SOURCE IDs
-----	-----
L0006676	L0006671 , L0006672 , L0006673 , L0006674 , L0006675 , L0006677 , L0006678 ,
L0006684	L0006679 , L0006680 , L0006681 , L0006682 , L0006683 , L0006685 , L0006686 ,
L0006692	L0006687 , L0006688 , L0006689 , L0006690 , L0006691 , L0006693 , L0006694 ,
L0006700	L0006695 , L0006696 , L0006697 , L0006698 , L0006699 , L0006701 , L0006702 ,
L0006708	L0006703 , L0006704 , L0006705 , L0006706 , L0006707 , L0006709 , L0006710 ,
L0006716	L0006711 , L0006712 , L0006713 , L0006714 , L0006715 , L0006717 , L0006718 ,
L0006724	L0006719 , L0006720 , L0006721 , L0006722 , L0006723 , L0006725 , L0006726 ,
L0006732	L0006727 , L0006728 , L0006729 , L0006730 , L0006731 , L0006733 , L0006734 ,
L0006740	L0006735 , L0006736 , L0006737 , L0006738 , L0006739 , L0006741 , L0006742 ,
L0006748	L0006743 , L0006744 , L0006745 , L0006746 , L0006747 , L0006749 , L0006750 ,
	L0006751 , L0006752 , L0006753 , L0006754 , L0006755 ,

11794 Ops HRA

L0006756 , L0006757 , L0006758 ,
 L0006764 , L0006765 , L0006766 , L0006767 , L0006768 , L0006769 , L0006770 , L0006771 ,
 L0006772 , L0006773 , L0006774 , L0006775 , L0006776 , L0006777 , L0006778 , L0006779 ,
 L0006780 , L0006781 , L0006782 , L0006783 , L0006784 , L0006785 , L0006786 , L0006787 ,
 L0006788 , L0006789 , L0006790 , L0006791 , L0006792 , L0006793 , L0006794 , L0006795 ,
 L0006796 , L0006797 , L0006798 ,

L0006799 ,

▲ *** AERMOD - VERSION 16216r *** *** C:\LAKES\AERMOD VIEW\11794 OPS HRA\11794
 OPS HRA.ISC *** 08/01/19
 *** AERMET - VERSION 16216 *** ***
 *** 11:40:56

PAGE 37

*** MODELOPTs: RegDEFAULT CONC ELEV URBAN ADJ_U*

*** SOURCE IDs DEFINED AS URBAN SOURCES

URBAN ID	URBAN POP	SOURCE IDs
-----	-----	-----
L0005715	2189641.	L0005711 , L0005712 , L0005713 , L0005714 ,
L0007063		L0007062 ,
L0007069	L0007064	L0007065 , L0007066 , L0007067 , L0007068 ,
	L0007070	L0007071 ,
L0007077	L0007072	L0007073 , L0007074 , L0007075 , L0007076 ,
	L0005733	L0005734 ,
L0005740	L0005735	L0005736 , L0005737 , L0005738 , L0005739 ,
	L0005741	L0005742 ,
	L0005743	L0005744 , L0005745 , L0005746 , L0005747 ,

11794 Ops HRA

L0005748	, L0005749	, L0005750	,			
	L0005751	, L0005752	, L0005753	, L0005754	, L0005755	,
L0005756	, L0005757	, L0005758	,			
	L0005759	, L0005760	, L0005761	, L0005762	, L0005763	,
L0005764	, L0005765	, L0005766	,			
	L0005767	, L0005768	, L0005769	, L0005770	, L0005771	,
L0005772	, L0005773	, L0005774	,			
	L0005775	, L0005776	, L0005777	, L0005778	, L0005779	,
L0005780	, L0005781	, L0005782	,			
	L0005783	, L0005784	, L0005785	, L0005786	, L0005787	,
L0005788	, L0005789	, L0007051	,			
	L0007052	, L0007053	, L0007054	, L0007055	, L0007056	,
L0007057	, L0007058	, L0007059	,			
	L0007060	, L0007061	, L0005801	, L0005802	, L0005803	,
L0005804	, L0005805	, L0005806	,			
	L0005807	, L0005808	, L0005809	, L0005810	, L0005811	,
L0005812	, L0005813	, L0005814	,			
	L0005815	, L0005816	, L0005817	, L0005818	, L0005819	,
L0005820	, L0005821	, L0005822	,			
	L0005823	, L0005824	, L0005825	, L0005826	, L0005827	,
L0005828	, L0005829	, L0005830	,			
	L0005831	, L0005832	, L0005833	, L0005834	, L0005835	,
L0005836	, L0005837	, L0005838	,			
	L0005839	, L0005840	, L0005841	, L0005842	, L0007041	,
L0007042	, L0007043	, L0007044	,			
	L0007045	, L0007046	, L0007047	, L0007048	, L0007049	,
L0007050	, L0005853	, L0005854	,			
	L0005855	, L0005856	, L0005857	, L0005858	, L0005859	,
L0005860	, L0005861	, L0005862	,			
	L0005863	, L0005864	, L0005865	, L0005866	, L0005867	,
L0005868	, L0005869	, L0005870	,			

*** AERMOD - VERSION 16216r *** C:\LAKES\AERMOD VIEW\11794 OPS HRA\11794
 OPS HRA.ISC *** 08/01/19

11794 Ops HRA
 *** AERMET - VERSION 16216 ***

 11:40:56

PAGE 38
 *** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

*** SOURCE IDs DEFINED AS URBAN SOURCES

URBAN ID	URBAN POP	SOURCE IDs
-----	-----	-----
L0005876	L0005871 , L0005877	L0005872 , L0005878 , L0005873 , L0005874 , L0005875 ,
L0005884	L0005879 , L0005885	L0005880 , L0005886 , L0005881 , L0005882 , L0005883 ,
L0005892	L0005887 , L0005893	L0005888 , L0005894 , L0005889 , L0005890 , L0005891 ,
L0005900	L0005895 , L0005901	L0005896 , L0005902 , L0005897 , L0005898 , L0005899 ,
L0005908	L0005903 , L0005909	L0005904 , L0005910 , L0005905 , L0005906 , L0005907 ,
L0005916	L0005911 , L0005917	L0005912 , L0005918 , L0005913 , L0005914 , L0005915 ,
L0005924	L0005919 , L0005925	L0005920 , L0005926 , L0005921 , L0005922 , L0005923 ,
L0006994	L0005927 , L0006995	L0005928 , L0006996 , L0005929 , L0006992 , L0006993 ,
L0007002	L0006997 , L0007003	L0006998 , L0007004 , L0006999 , L0007000 , L0007001 ,
L0007010	L0007005 , L0007011	L0007006 , L0007012 , L0007007 , L0007008 , L0007009 ,
L0007018	L0007013 , L0007019	L0007014 , L0007020 , L0007015 , L0007016 , L0007017 ,
	L0007021	L0007022 , L0007023 , L0007024 , L0007025 ,

11794 Ops HRA

```

L0007026      , L0007027      , L0007028      ,
                L0007029      , L0007030      , L0007031      , L0007032      , L0007033      ,
L0007034      , L0007035      , L0007036      ,
                L0007037      , L0007038      , L0007039      , L0007040      , L0006941      ,
L0006942      , L0006943      , L0006944      ,
                L0006945      , L0006946      , L0006947      , L0006948      , L0006949      ,
L0006950      , L0006951      , L0006952      ,
                L0006953      , L0006954      , L0006955      , L0006956      , L0006957      ,
L0006958      , L0006959      , L0006960      ,
                L0006961      , L0006962      , L0006963      , L0006964      , L0006965      ,
L0006966      , L0006967      , L0006968      ,
                L0006969      , L0006970      , L0006971      , L0006972      , L0006973      ,
L0006974      , L0006975      , L0006976      ,
                L0006977      , L0006978      , L0006979      , L0006980      , L0006981      ,
L0006982      , L0006983      , L0006984      ,
                L0006985      , L0006986      , L0006987      , L0006988      , L0006989      ,
L0006990      , L0006991      , L0006030      ,
^ *** AERMOD - VERSION 16216r *** *** C:\LAKES\AERMOD VIEW\11794 OPS HRA\11794
OPS HRA.ISC *** 08/01/19
*** AERMET - VERSION 16216 *** ***
*** 11:40:56

```

PAGE 39

*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

*** SOURCE IDs DEFINED AS URBAN SOURCES

URBAN ID	URBAN POP	SOURCE IDs
-----	-----	-----
L0006036	L0006031 , L0006037	L0006032 , L0006033 , L0006034 , L0006035 ,
L0006044	L0006039 , L0006045	L0006040 , L0006041 , L0006042 , L0006043 ,
	L0006047	L0006048 , L0006049 , L0006050 , L0006051 ,

11794 Ops HRA

L0006052	, L0006053	, L0006054	,			
	L0006055	, L0006056	, L0006057	, L0006058	, L0006059	,
L0006060	, L0006061	, L0006062	,			
	L0006063	, L0006064	, L0006065	, L0006066	, L0006067	,
L0006068	, L0006069	, L0006070	,			
	L0006071	, L0006072	, L0006073	, L0006074	, L0006075	,
L0006076	, L0006077	, L0006078	,			
	L0006079	, L0006080	, L0006081	, L0006082	, L0006083	,
L0006084	, L0006085	, L0006086	,			
	L0006087	, L0006088	, L0006089	, L0006090	, L0006091	,
L0006092	, L0006093	, L0006094	,			
	L0006095	, L0006096	, L0006097	, L0006098	, L0006099	,
L0006100	, L0006101	, L0006102	,			
	L0006103	, L0006104	, L0006105	, L0006106	, L0006107	,
L0006108	, L0006109	, L0006110	,			
	L0006111	, L0006112	, L0006113	, L0006114	, L0006115	,
L0006116	, L0006117	, L0006118	,			
	L0006119	, L0006120	, L0006121	, L0006122	, L0006123	,
L0006124	, L0006125	, L0006126	,			
	L0006127	, L0006128	, L0006129	, L0006130	, L0006131	,
L0006132	, L0006133	, L0006134	,			
	L0006135	, L0006136	, L0006137	, L0006138	, L0006139	,
L0006140	, L0006141	, L0006142	,			
	L0006143	, L0006144	, L0006145	, L0006146	, L0006147	,
L0006148	, L0006149	, L0006150	,			
	L0006151	, L0006152	, L0006153	, L0006154	, L0006155	,
L0006156	, L0006157	, L0006158	,			
	L0006159	, L0006160	, L0006161	, L0006162	, L0006163	,
L0006164	, L0006165	, L0006166	,			
	L0006167	, L0006168	, L0006169	, L0006170	, L0006171	,
L0006172	, L0006173	, L0006174	,			
	L0006175	, L0006176	, L0006177	, L0006178	, L0006179	,

11794 Ops HRA

L0006180 , L0006181 , L0006182 ,

L0006183 , L0006184 , L0006185 , L0006186 , L0006187 ,

L0006188 , L0006189 , L0006190 ,

▲ *** AERMOD - VERSION 16216r *** *** C:\LAKES\AERMOD VIEW\11794 OPS HRA\11794

OPS HRA.ISC *** 08/01/19

*** AERMET - VERSION 16216 *** ***

*** 11:40:56

PAGE 40

*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

*** SOURCE IDs DEFINED AS URBAN SOURCES

URBAN ID	URBAN POP	SOURCE IDs
-----	-----	-----
L0006196	L0006191 , L0006192 , L0006193 , L0006194 , L0006195 , L0006197 , L0006198 ,	
L0006204	L0006199 , L0006200 , L0006201 , L0006202 , L0006203 , L0006205 , L0006206 ,	
L0006212	L0006207 , L0006208 , L0006209 , L0006210 , L0006211 , L0006213 , L0006214 ,	
L0006220	L0006215 , L0006216 , L0006217 , L0006218 , L0006219 , L0006221 , L0006222 ,	
L0006228	L0006223 , L0006224 , L0006225 , L0006226 , L0006227 , L0006229 , L0006230 ,	
L0006236	L0006231 , L0006232 , L0006233 , L0006234 , L0006235 , L0006237 , L0006238 ,	
L0006244	L0006239 , L0006240 , L0006241 , L0006242 , L0006243 , L0006245 , L0006246 ,	
L0006252	L0006247 , L0006248 , L0006249 , L0006250 , L0006251 , L0006253 , L0006254 ,	
L0006260	L0006255 , L0006256 , L0006257 , L0006258 , L0006259 , L0006261 , L0006262 ,	
	L0006263 , L0006264 , L0006265 , L0006266 , L0006267 ,	

11794 Ops HRA

L0006268 , L0006269 , L0006270 ,
 L0006276 , L0006271 , L0006272 , L0006273 , L0006274 , L0006275 ,
 L0006284 , L0006277 , L0006278 ,
 L0006284 , L0006279 , L0006280 , L0006281 , L0006282 , L0006283 ,
 L0006292 , L0006285 , L0006286 ,
 L0006292 , L0006287 , L0006288 , L0006289 , L0006290 , L0006291 ,
 L0006300 , L0006293 , L0006294 ,
 L0006300 , L0006295 , L0006296 , L0006297 , L0006298 , L0006299 ,
 L0006308 , L0006301 , L0006302 ,
 L0006308 , L0006303 , L0006304 , L0006305 , L0006306 , L0006307 ,
 L0006316 , L0006309 , L0006310 ,
 L0006316 , L0006311 , L0006312 , L0006313 , L0006314 , L0006315 ,
 L0006324 , L0006317 , L0006318 ,
 L0006324 , L0006319 , L0006320 , L0006321 , L0006322 , L0006323 ,
 L0006332 , L0006325 , L0006326 ,
 L0006332 , L0006327 , L0006328 , L0006329 , L0006330 , L0006331 ,
 L0006340 , L0006333 , L0006334 ,
 L0006340 , L0006335 , L0006336 , L0006337 , L0006338 , L0006339 ,
 L0006348 , L0006341 , L0006342 ,
 L0006348 , L0006343 , L0006344 , L0006345 , L0006346 , L0006347 ,
 L0006348 , L0006349 , L0006350 ,

▲ *** AERMOD - VERSION 16216r *** C:\LAKES\AERMOD VIEW\11794 OPS HRA\11794
 OPS HRA.ISC *** 08/01/19
 *** AERMET - VERSION 16216 ***
 *** 11:40:56

PAGE 41

*** MODELOPTs: RegDFault CONC ELEV URBAN ADJ_U*

*** SOURCE IDs DEFINED AS URBAN SOURCES

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

L0006351 , L0006352 , L0006353 , L0006898 , L0006899 ,

11794 Ops HRA

L0006900	, L0006901	, L0006902	,			
	L0006903	, L0006904	, L0006905	, L0006906	, L0006907	,
L0006908	, L0006909	, L0006910	,			
	L0006911	, L0006912	, L0006913	, L0006914	, L0006915	,
L0006916	, L0006917	, L0006918	,			
	L0006919	, L0006920	, L0006921	, L0006922	, L0006923	,
L0006924	, L0006925	, L0006926	,			
	L0006927	, L0006928	, L0006929	, L0006930	, L0006931	,
L0006932	, L0006933	, L0006934	,			
	L0006935	, L0006936	, L0006937	, L0006938	, L0006939	,
L0006940	, L0006855	, L0006856	,			
	L0006857	, L0006858	, L0006859	, L0006860	, L0006861	,
L0006862	, L0006863	, L0006864	,			
	L0006865	, L0006866	, L0006867	, L0006868	, L0006869	,
L0006870	, L0006871	, L0006872	,			
	L0006873	, L0006874	, L0006875	, L0006876	, L0006877	,
L0006878	, L0006879	, L0006880	,			
	L0006881	, L0006882	, L0006883	, L0006884	, L0006885	,
L0006886	, L0006887	, L0006888	,			
	L0006889	, L0006890	, L0006891	, L0006892	, L0006893	,
L0006894	, L0006895	, L0006896	,			
	L0006897	, L0006440	, L0006441	, L0006442	, L0006443	,
L0006444	, L0006445	, L0006446	,			
	L0006447	, L0006448	, L0006449	, L0006450	, L0006451	,
L0006452	, L0006453	, L0006454	,			
	L0006455	, L0006456	, L0006457	, L0006458	, L0006459	,
L0006460	, L0006461	, L0006462	,			
	L0006463	, L0006464	, L0006465	, L0006466	, L0006467	,
L0006468	, L0006469	, L0006470	,			
	L0006471	, L0006472	, L0006473	, L0006474	, L0006475	,
L0006476	, L0006477	, L0006478	,			
	L0006479	, L0006480	, L0006481	, L0006482	, L0006483	,

11794 Ops HRA

L0006484 , L0006485 , L0006486 ,

L0006492 , L0006493 , L0006494 ,

L0006500 , L0006501 , L0006502 ,

L0006508 , L0006509 , L0006510 ,

▲ *** AERMOD - VERSION 16216r *** C:\LAKES\AERMOD VIEW\11794 OPS HRA\11794
OPS HRA.ISC *** 08/01/19

*** AERMET - VERSION 16216 ***

*** 11:40:56

PAGE 42

*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

*** SOURCE IDs DEFINED AS URBAN SOURCES

URBAN ID	URBAN POP	SOURCE IDs
-----	-----	-----
L0006516	L0006511 , L0006512 , L0006513 , L0006514 , L0006515 , L0006517 , L0006518 ,	
L0006524	L0006519 , L0006520 , L0006521 , L0006522 , L0006523 , L0006525 , L0006526 ,	
L0006532	L0006527 , L0006528 , L0006529 , L0006530 , L0006531 , L0006533 , L0006534 ,	
L0006540	L0006535 , L0006536 , L0006537 , L0006538 , L0006539 , L0006541 , L0006542 ,	
L0006548	L0006543 , L0006544 , L0006545 , L0006546 , L0006547 , L0006549 , L0006550 ,	
L0006556	L0006551 , L0006552 , L0006553 , L0006554 , L0006555 , L0006557 , L0006558 ,	
L0006564	L0006559 , L0006560 , L0006561 , L0006562 , L0006563 , L0006565 , L0006566 ,	
	L0006567 , L0006568 , L0006569 , L0006570 , L0006571 ,	

11794 Ops HRA

L0006572 , L0006573 , L0006574 ,
 L0006580 , L0006575 , L0006576 , L0006577 , L0006578 , L0006579 ,
 L0006588 , L0006581 , L0006582 ,
 L0006588 , L0006583 , L0006584 , L0006585 , L0006586 , L0006587 ,
 L0006596 , L0006589 , L0006590 ,
 L0006596 , L0006591 , L0006592 , L0006593 , L0006594 , L0006595 ,
 L0006604 , L0006597 , L0006598 ,
 L0006604 , L0006599 , L0006600 , L0006601 , L0006602 , L0006603 ,
 L0006612 , L0006605 , L0006606 ,
 L0006612 , L0006607 , L0006608 , L0006609 , L0006610 , L0006611 ,
 L0006620 , L0006613 , L0006614 ,
 L0006620 , L0006615 , L0006616 , L0006617 , L0006618 , L0006619 ,
 L0006628 , L0006621 , L0006622 ,
 L0006628 , L0006623 , L0006624 , L0006625 , L0006626 , L0006627 ,
 L0006636 , L0006629 , L0006630 ,
 L0006636 , L0006631 , L0006632 , L0006633 , L0006634 , L0006635 ,
 L0006644 , L0006637 , L0006638 ,
 L0006644 , L0006639 , L0006640 , L0006641 , L0006642 , L0006643 ,
 L0006652 , L0006645 , L0006646 ,
 L0006652 , L0006647 , L0006648 , L0006649 , L0006650 , L0006651 ,
 L0006660 , L0006653 , L0006654 ,
 L0006660 , L0006655 , L0006656 , L0006657 , L0006658 , L0006659 ,
 L0006668 , L0006661 , L0006662 ,
 L0006668 , L0006663 , L0006664 , L0006665 , L0006666 , L0006667 ,
 L0006668 , L0006669 , L0006670 ,

▲ *** AERMOD - VERSION 16216r *** *** C:\LAKES\AERMOD VIEW\11794 OPS HRA\11794
 OPS HRA.ISC *** 08/01/19

*** AERMET - VERSION 16216 *** ***

11:40:56

PAGE 43

*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

*** SOURCE IDs DEFINED AS URBAN SOURCES

11794 Ops HRA

URBAN ID -----	URBAN POP -----	SOURCE IDs -----				
L0006676	L0006671 , L0006677	, L0006672 , L0006678	, L0006673 ,	, L0006674	, L0006675	,
L0006684	L0006679 , L0006685	, L0006680 , L0006686	, L0006681 ,	, L0006682	, L0006683	,
L0006692	L0006687 , L0006693	, L0006688 , L0006694	, L0006689 ,	, L0006690	, L0006691	,
L0006700	L0006695 , L0006701	, L0006696 , L0006702	, L0006697 ,	, L0006698	, L0006699	,
L0006708	L0006703 , L0006709	, L0006704 , L0006710	, L0006705 ,	, L0006706	, L0006707	,
L0006716	L0006711 , L0006717	, L0006712 , L0006718	, L0006713 ,	, L0006714	, L0006715	,
L0006724	L0006719 , L0006725	, L0006720 , L0006726	, L0006721 ,	, L0006722	, L0006723	,
L0006732	L0006727 , L0006733	, L0006728 , L0006734	, L0006729 ,	, L0006730	, L0006731	,
L0006740	L0006735 , L0006741	, L0006736 , L0006742	, L0006737 ,	, L0006738	, L0006739	,
L0006748	L0006743 , L0006749	, L0006744 , L0006750	, L0006745 ,	, L0006746	, L0006747	,
L0006756	L0006751 , L0006757	, L0006752 , L0006758	, L0006753 ,	, L0006754	, L0006755	,
L0006764	L0006759 , L0006765	, L0006760 , L0006766	, L0006761 ,	, L0006762	, L0006763	,
L0006772	L0006767 , L0006773	, L0006768 , L0006774	, L0006769 ,	, L0006770	, L0006771	,
L0006780	L0006775 , L0006781	, L0006776 , L0006782	, L0006777 ,	, L0006778	, L0006779	,
	L0006783	, L0006784	, L0006785	, L0006786	, L0006787	,

11794 Ops HRA

L0006788 , L0006789 , L0006790 ,

L0006791 , L0006792 , L0006793 , L0006794 , L0006795 ,
L0006796 , L0006797 , L0006798 ,

L0006799 ,

▲ *** AERMOD - VERSION 16216r *** *** C:\LAKES\AERMOD VIEW\11794 OPS HRA\11794
OPS HRA.ISC *** 08/01/19

*** AERMET - VERSION 16216 *** ***
*** 11:40:56

PAGE 44

*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

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

(447664.1, 3751546.4, 183.0, 183.0, 0.0);	(447611.0,
3751476.5, 184.1, 184.1, 0.0);	
(447547.5, 3751422.9, 182.8, 182.8, 0.0);	(447517.7,
3751426.9, 181.9, 181.9, 0.0);	
(447464.9, 3751411.9, 180.6, 180.6, 0.0);	(447274.7,
3751416.7, 177.0, 177.0, 0.0);	
(447163.1, 3751616.3, 178.9, 178.9, 0.0);	(447161.8,
3751676.9, 179.0, 179.0, 0.0);	
(447158.3, 3751816.0, 180.0, 180.0, 0.0);	(447146.6,
3751838.8, 180.0, 180.0, 0.0);	
(447149.2, 3751912.7, 181.0, 181.0, 0.0);	(447157.1,
3751995.3, 181.0, 181.0, 0.0);	
(447150.2, 3752041.6, 180.3, 180.3, 0.0);	(447159.2,
3752153.4, 180.0, 180.0, 0.0);	
(447148.7, 3752068.6, 180.4, 180.4, 0.0);	(447249.1,
3752277.0, 179.0, 179.0, 0.0);	
(447203.4, 3752283.5, 179.0, 179.0, 0.0);	(447475.1,
3752281.7, 179.0, 179.0, 0.0);	
(447375.5, 3752277.6, 179.0, 179.0, 0.0);	(447528.3,
3752285.2, 179.6, 179.6, 0.0);	
(447637.2, 3752293.4, 180.0, 180.0, 0.0);	(447722.7,
3752284.0, 180.9, 180.9, 0.0);	
(447714.2, 3752080.0, 181.5, 181.5, 0.0);	(447719.7,
3752129.3, 181.7, 181.7, 0.0);	
(447730.2, 3752199.0, 181.0, 181.0, 0.0);	(447622.5,
3751771.7, 181.4, 181.4, 0.0);	
(447821.0, 3751945.6, 183.1, 183.1, 0.0);	(447750.0,
3751369.2, 188.6, 188.6, 0.0);	
(447815.9, 3751737.3, 183.8, 183.8, 0.0);	(447818.8,
3751857.4, 186.0, 186.0, 0.0);	

11794 Ops HRA

(447858.8, 3752129.1, 183.2, 183.2, 0.0);	(447311.8,
3752175.9, 179.0, 179.0, 0.0);	
(447315.4, 3752233.2, 179.0, 179.0, 0.0);	(447294.1,
3752229.0, 179.0, 179.0, 0.0);	
(447263.7, 3752236.0, 179.0, 179.0, 0.0);	(447262.0,
3752198.3, 179.0, 179.0, 0.0);	
(447288.8, 3752175.5, 179.0, 179.0, 0.0);	(446878.4,
3751753.8, 184.6, 184.6, 0.0);	
(446688.8, 3751586.9, 181.0, 181.0, 0.0);	(446676.2,
3751872.6, 181.1, 181.1, 0.0);	
(446787.4, 3751854.9, 182.6, 182.6, 0.0);	(446880.9,
3751680.5, 181.5, 181.5, 0.0);	
(446572.5, 3751827.1, 182.2, 182.2, 0.0);	(449130.7,
3751935.8, 198.0, 429.0, 0.0);	
(449226.8, 3751993.9, 199.0, 429.0, 0.0);	(447788.8,
3752306.8, 181.0, 181.0, 0.0);	
(447392.2, 3751371.3, 179.7, 179.7, 0.0);	(447143.0,
3751525.2, 178.2, 178.2, 0.0);	
(447230.7, 3751408.0, 177.2, 177.2, 0.0);	(447632.3,
3751407.7, 183.9, 183.9, 0.0);	
(447660.6, 3751407.0, 184.2, 184.2, 0.0);	(447485.2,
3751302.8, 180.9, 180.9, 0.0);	
(447807.9, 3751454.6, 189.2, 189.2, 0.0);	(447886.5,
3751459.8, 193.2, 193.2, 0.0);	
(447617.8, 3751536.4, 183.3, 183.3, 0.0);	(447158.9,
3752236.2, 180.0, 180.0, 0.0);	
(447156.3, 3752192.8, 180.0, 180.0, 0.0);	(447162.7,
3752133.9, 180.0, 180.0, 0.0);	
(447810.4, 3752023.0, 182.7, 182.7, 0.0);	(447695.6,
3751556.7, 183.0, 183.0, 0.0);	
(447719.5, 3751563.8, 183.7, 183.7, 0.0);	(447743.4,
3751574.4, 184.0, 184.0, 0.0);	
(447765.6, 3751581.5, 184.0, 184.0, 0.0);	(447669.1,
3751471.7, 185.0, 185.0, 0.0);	
(447693.0, 3751477.0, 185.2, 185.2, 0.0);	(447719.5,
3751478.8, 185.8, 185.8, 0.0);	
(447743.4, 3751481.5, 186.5, 186.5, 0.0);	(447767.3,
3751493.8, 187.5, 187.5, 0.0);	
(447790.3, 3751588.5, 184.2, 184.2, 0.0);	(447790.3,
3751475.3, 188.7, 188.7, 0.0);	
(449354.4, 3752413.4, 198.0, 434.0, 0.0);	

^ *** AERMOD - VERSION 16216r *** *** C:\LAKES\AERMOD VIEW\11794 OPS HRA\11794
 OPS HRA.ISC *** 08/01/19
 *** AERMET - VERSION 16216 *** ***
 *** 11:40:56

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

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

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

— — —

-2.29	L0006539	447722.7	3752284.0
-0.22	L0006540	447722.7	3752284.0
-2.29	L0006571	447722.7	3752284.0
-0.22	L0006572	447722.7	3752284.0

```

^ *** AERMOD - VERSION 16216r ***      *** C:\LAKES\AERMOD VIEW\11794 OPS HRA\11794
OPS HRA.ISC                          ***      08/01/19
*** AERMET - VERSION 16216 ***      ***
***                                  ***
***                                  11:40:56

```

*** MODELOPTs: RegDFault CONC ELEV URBAN ADJ_U*

```

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

```

[illegible]

11794 Ops HRA
 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1
 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1

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

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

1.54, 3.09, 5.14, 8.23,
 10.80,
 *** AERMOD - VERSION 16216r *** *** C:\LAKES\AERMOD VIEW\11794 OPS HRA\11794
 OPS HRA.ISC *** 08/01/19
 *** AERMET - VERSION 16216 *** ***
 *** 11:40:56

PAGE 47
 *** MODELOPTs: RegDEFAULT CONC ELEV URBAN ADJ_U*

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

Surface file: KRAL_V9_ADJU\KRAL_V9.SFC
 Met Version: 16216
 Profile file: KRAL_V9_ADJU\KRAL_V9.PFL

Surface format: FREE

Profile format: FREE

Surface station no.: 3171 Upper air station no.: 3190
 Name: UNKNOWN Name: UNKNOWN
 Year: 2012 Year: 2012

First 24 hours of scalar data
 YR MO DY JDY HR H0 U* W* DT/DZ ZICNV ZIMCH M-O LEN Z0 BOWEN
 ALBEDO REF WS WD HT REF TA HT
 - - - - -
 12 01 01 1 01 -25.6 0.266 -9.000 -9.000 -999. 330. 77.9 0.15 2.40
 1.00 2.93 55. 10.1 288.1 2.0
 12 01 01 1 02 -26.8 0.277 -9.000 -9.000 -999. 351. 84.7 0.15 2.40
 1.00 3.05 55. 10.1 287.0 2.0
 12 01 01 1 03 -21.5 0.221 -9.000 -9.000 -999. 250. 53.5 0.15 2.40

11794 Ops HRA

1.00	2.45	74.	10.1	284.2	2.0							
12 01 01	1 04	-22.0	0.227	-9.000	-9.000	-999.	260.	56.8	0.15	2.40		
1.00	2.52	77.	10.1	285.9	2.0							
12 01 01	1 05	-20.0	0.206	-9.000	-9.000	-999.	225.	46.8	0.15	2.40		
1.00	2.30	80.	10.1	285.4	2.0							
12 01 01	1 06	-14.4	0.171	-9.000	-9.000	-999.	170.	32.1	0.15	2.40		
1.00	1.93	79.	10.1	287.0	2.0							
12 01 01	1 07	-14.9	0.174	-9.000	-9.000	-999.	174.	33.2	0.15	2.40		
1.00	1.96	77.	10.1	284.2	2.0							
12 01 01	1 08	-11.9	0.169	-9.000	-9.000	-999.	167.	36.1	0.15	2.40		
0.53	1.89	77.	10.1	288.1	2.0							
12 01 01	1 09	40.4	0.234	0.359	0.006	40.	272.	-28.1	0.15	2.40		
0.31	2.10	81.	10.1	289.2	2.0							
12 01 01	1 10	112.6	0.246	0.742	0.005	129.	293.	-11.8	0.15	2.40		
0.24	1.99	101.	10.1	296.4	2.0							
12 01 01	1 11	161.0	0.402	1.188	0.005	369.	611.	-35.6	0.15	2.40		
0.21	3.68	78.	10.1	298.8	2.0							
12 01 01	1 12	184.7	0.337	1.516	0.005	668.	473.	-18.4	0.15	2.40		
0.20	2.89	68.	10.1	300.4	2.0							
12 01 01	1 13	183.9	0.310	1.809	0.005	1139.	414.	-14.2	0.15	2.40		
0.20	2.57	64.	10.1	302.5	2.0							
12 01 01	1 14	156.6	0.374	1.852	0.005	1434.	549.	-29.5	0.15	2.40		
0.22	3.37	63.	10.1	303.1	2.0							
12 01 01	1 15	104.3	0.382	1.658	0.005	1546.	567.	-47.2	0.15	2.40		
0.25	3.59	62.	10.1	302.5	2.0							
12 01 01	1 16	31.8	0.374	1.123	0.005	1573.	550.	-145.8	0.15	2.40		
0.34	3.76	69.	10.1	300.9	2.0							
12 01 01	1 17	-23.3	0.276	-9.000	-9.000	-999.	354.	84.0	0.15	2.40		
0.62	3.03	59.	10.1	297.5	2.0							
12 01 01	1 18	-21.5	0.229	-9.000	-9.000	-999.	264.	57.8	0.15	2.40		
1.00	2.54	54.	10.1	295.4	2.0							
12 01 01	1 19	-19.3	0.204	-9.000	-9.000	-999.	221.	45.6	0.15	2.40		
1.00	2.27	79.	10.1	292.0	2.0							
12 01 01	1 20	-20.7	0.218	-9.000	-9.000	-999.	244.	52.2	0.15	2.40		
1.00	2.42	79.	10.1	292.5	2.0							
12 01 01	1 21	-19.7	0.206	-9.000	-9.000	-999.	225.	46.9	0.15	2.40		
1.00	2.30	95.	10.1	290.9	2.0							
12 01 01	1 22	-17.6	0.190	-9.000	-9.000	-999.	199.	39.8	0.15	2.40		
1.00	2.13	78.	10.1	290.4	2.0							
12 01 01	1 23	-20.3	0.211	-9.000	-9.000	-999.	233.	49.0	0.15	2.40		
1.00	2.35	52.	10.1	289.2	2.0							
12 01 01	1 24	-16.4	0.183	-9.000	-9.000	-999.	189.	37.0	0.15	2.40		
1.00	2.06	75.	10.1	288.8	2.0							

First hour of profile data

YR	MO	DY	HR	HEIGHT	F	WDIR	WSPD	AMB_TMP	sigmaA	sigmaW	sigmaV
12	01	01	01	10.1	1	55.	2.93	288.2	99.0	-99.00	-99.00

11794 Ops HRA

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

^ *** AERMOD - VERSION 16216r *** *** C:\LAKES\AERMOD VIEW\11794 OPS HRA\11794
 OPS HRA.ISC *** 08/01/19
 *** AERMET - VERSION 16216 *** ***
 *** 11:40:56

PAGE 48

*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

*** THE ANNUAL AVERAGE CONCENTRATION VALUES AVERAGED OVER 5
 YEARS FOR SOURCE GROUP: ALL ***
 INCLUDING SOURCE(S): L0005711 , L0005712
 , L0005713 , L0005714 , L0005715 ,
 L0005716 , L0007062 , L0007063 , L0007064 , L0007065
 , L0007066 , L0007067 , L0007068 ,
 L0007069 , L0007070 , L0007071 , L0007072 , L0007073
 , L0007074 , L0007075 , L0007076 ,
 L0007077 , L0005733 , L0005734 , L0005735 , L0005736
 , L0005737 , L0005738 , . . . ,

*** DISCRETE CARTESIAN RECEPTOR POINTS

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

**

X-COORD (M)	Y-COORD (M)	CONC	X-COORD (M)
Y-COORD (M)	CONC		
447664.06	3751546.40	0.00635	447611.00
3751476.55	0.00973		
447547.52	3751422.88	0.00563	447517.67
3751426.86	0.00459		
447464.94	3751411.93	0.00365	447274.69
3751416.66	0.00322		
447163.14	3751616.34	0.00430	447161.77
3751676.93	0.00493		
447158.32	3751816.02	0.00477	447146.62
3751838.75	0.00434		
447149.18	3751912.73	0.00436	447157.15
3751995.32	0.00460		
447150.18	3752041.60	0.00392	447159.23
3752153.43	0.00261		
447148.74	3752068.59	0.00350	447249.09
3752277.03	0.00210		
447203.43	3752283.47	0.00184	447475.06

11794 Ops HRA

3752281.71	0.00328		
447375.54	3752277.61	0.00289	447528.33
3752285.22	0.00347		
447637.21	3752293.42	0.00481	447722.68
3752284.05	0.00425		
447714.23	3752079.98	0.00651	447719.71
3752129.29	0.00682		
447730.19	3752199.02	0.00561	447622.53
3751771.74	0.01413		
447821.03	3751945.57	0.00519	447750.01
3751369.25	0.00317		
447815.90	3751737.26	0.00640	447818.76
3751857.37	0.00625		
447858.85	3752129.12	0.00359	447311.85
3752175.89	0.00426		
447315.38	3752233.19	0.00310	447294.07
3752229.03	0.00294		
447263.68	3752236.04	0.00258	447262.02
3752198.34	0.00308		
447288.78	3752175.50	0.00385	446878.40
3751753.77	0.00162		
446688.81	3751586.93	0.00103	446676.17
3751872.58	0.00092		
446787.39	3751854.88	0.00120	446880.92
3751680.46	0.00161		
446572.53	3751827.08	0.00077	449130.71
3751935.77	0.00075		
449226.77	3751993.91	0.00067	447788.84
3752306.77	0.00388		
447392.16	3751371.26	0.00284	447142.97
3751525.24	0.00329		
447230.70	3751407.96	0.00289	447632.29
3751407.66	0.00672		
447660.56	3751407.03	0.00562	447485.22
3751302.85	0.00297		
447807.93	3751454.63	0.00407	447886.54
3751459.77	0.00359		
447617.77	3751536.45	0.00925	447158.87
3752236.24	0.00193		
447156.31	3752192.77	0.00222	447162.71
3752133.95	0.00287		
447810.44	3752023.04	0.00505	447695.65
3751556.68	0.00575		
447719.54	3751563.76	0.00543	447743.43
3751574.38	0.00521		
447765.56	3751581.46	0.00491	447669.10
3751471.73	0.00550		
447692.99	3751477.04	0.00482	447719.54

11794 Ops HRA

3751478.81	0.00438		
447743.43	3751481.46	0.00405	447767.33
3751493.85	0.00370		
447790.33	3751588.54	0.00460	447790.33
3751475.27	0.00360		
449354.44	3752413.43	0.00033	

▲ *** AERMOD - VERSION 16216r *** *** C:\LAKES\AERMOD VIEW\11794 OPS HRA\11794
OPS HRA.ISC *** 08/01/19
*** AERMET - VERSION 16216 *** ***
*** 11:40:56

PAGE 49

*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

*** THE SUMMARY OF MAXIMUM ANNUAL RESULTS

AVERAGED OVER 5 YEARS ***

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

**

GROUP ID	NETWORK	AVERAGE CONC	RECEPTOR (XR, YR,
ZELEV, ZHILL, ZFLAG)	OF TYPE GRID-ID		
ALL	1ST HIGHEST VALUE IS	0.01413 AT (	447622.53, 3751771.74,
181.44,	181.44, 0.00) DC		
	2ND HIGHEST VALUE IS	0.00973 AT (	447611.00, 3751476.55,
184.05,	184.05, 0.00) DC		
	3RD HIGHEST VALUE IS	0.00925 AT (	447617.77, 3751536.45,
183.33,	183.33, 0.00) DC		
	4TH HIGHEST VALUE IS	0.00682 AT (	447719.71, 3752129.29,
181.68,	181.68, 0.00) DC		
	5TH HIGHEST VALUE IS	0.00672 AT (	447632.29, 3751407.66,
183.85,	183.85, 0.00) DC		
	6TH HIGHEST VALUE IS	0.00651 AT (	447714.23, 3752079.98,
181.49,	181.49, 0.00) DC		
	7TH HIGHEST VALUE IS	0.00640 AT (	447815.90, 3751737.26,
183.81,	183.81, 0.00) DC		
	8TH HIGHEST VALUE IS	0.00635 AT (	447664.06, 3751546.40,
182.99,	182.99, 0.00) DC		
	9TH HIGHEST VALUE IS	0.00625 AT (	447818.76, 3751857.37,
185.98,	185.98, 0.00) DC		
	10TH HIGHEST VALUE IS	0.00575 AT (	447695.65, 3751556.68,

11794 Ops HRA
182.96, 182.96, 0.00) DC

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

▲ *** AERMOD - VERSION 16216r *** *** C:\LAKES\AERMOD VIEW\11794 OPS HRA\11794
OPS HRA.ISC *** 08/01/19
*** AERMET - VERSION 16216 *** ***
*** 11:40:56

PAGE 50
*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

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

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

A Total of 0 Fatal Error Message(s)
A Total of 2 Warning Message(s)
A Total of 1638 Informational Message(s)

A Total of 43848 Hours Were Processed

A Total of 1039 Calm Hours Identified

A Total of 599 Missing Hours Identified (1.37 Percent)

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

***** WARNING MESSAGES *****
ME W186 3075 MEOPEN: THRESH_1MIN 1-min ASOS wind speed threshold used
0.50
ME W187 3075 MEOPEN: ADJ_U* Option for Low Winds used in AERMET

*** AERMOD Finishes Successfully ***

This page intentionally left blank

APPENDIX 2.3:

DPM EMISSIONS FROM PROJECT

Emissions	Phase	Year	Lb/Day	# Days	Emissions	Avg/Lb Day	Avg/Hourly
On-Site	Demolition	2020	0.4839	40	19.356	0.026156757	0.003269595
Exhaust PM-10	Site Preparation	2020	0.0933	80	7.464	0.010086486	0.001260811
	Grading	2020-2021	0.88375	80	70.7	0.095540541	0.011942568
	Building Construction	2021-2022	1.00475	300	301.425	0.407331081	0.050916385
	Architectural Coatings	2022	0.3269	200	65.38	0.088351351	0.011043919
	Paving	2022	0.5679	40	22.716	0.030697297	0.003837162
	Totals			740	487.041	0.658163514	0.082270439

**AVERAGE EMISSION FACTOR
RIVERSIDE COUNTY 2022**

Speed	LHD1	MHD	HHD
0	0.389075	0.130109	0.01485
5	0.037927	0.062152	0.04296
25	0.013603	0.0316	0.01812

Speed	Weighted Average Emissions
0	0.12360
5	0.04501
25	0.01932

Emission Rates - 2022 Emission Factors

Truck Emission Rates						
Source	Trucks Per Day	VMT ^a (miles/day)	Truck Emission Rate ^b (grams/mile)	Truck Emission Rate ^b (grams/idle-hour)	Daily Truck Emissions ^c (grams/day)	Modeled Emission Rates (g/second)
On-Site Idling Building 1	9			0.1236	0.27	3.119E-06
On-Site Idling Building 3	9			0.1236	0.27	3.119E-06
On-Site Idling Building 2	9			0.1236	0.27	3.119E-06
On-Site Idling Building 4	9			0.1236	0.27	3.119E-06
On-Site Idling Building 5	27			0.1236	0.84	9.752E-06
On-Site Idling Building 8	16			0.1236	0.51	5.867E-06
On-Site Idling Building 7	55			0.1236	1.70	1.971E-05
On-Site Idling Building 6	55			0.1236	1.70	1.971E-05
On-Site Idling Building 9	15			0.1236	0.47	5.423E-06
On-Site Idling Building 10	10			0.1236	0.31	3.598E-06
On-Site Idling Building 11	20			0.1236	0.63	7.256E-06
On-Site Idling Building 12	21			0.1236	0.64	7.457E-06
On-Site Idling Building 13	47			0.1236	1.45	1.678E-05
On-Site Idling Building 14	50			0.1236	1.54	1.784E-05
On-Site Idling Building 15	14			0.1236	0.45	5.181E-06
On-Site Idling Building 16	14			0.1236	0.45	5.181E-06
On-Site Idling Building 17	12			0.1236	0.36	4.132E-06
On-Site Idling Building 18	8			0.1236	0.26	3.034E-06
On-Site Idling Buildings 19-21	29			0.1236	0.88	1.020E-05
On-Site Idling Buildings 22-25	35			0.1236	1.08	1.252E-05
On-Site Idling Building 26	14			0.1236	0.42	4.841E-06
On-Site Idling Building 33	8			0.1236	0.23	2.696E-06
On-Site Idling Building 34	8			0.1236	0.23	2.696E-06
On-Site Idling Building 35	11			0.1236	0.33	3.805E-06
On-Site Idling Buildings 27-32	16			0.1236	0.50	5.819E-06
On-Site Travel Buildings 1-4	70	24.26	0.0450		1.10	1.275E-05
On-Site Travel Building 5	55	14.21	0.0450		0.95	1.105E-05
On-Site Travel Building 6	110	30.13	0.0450		1.72	1.989E-05
On-Site Travel Building 7	110	35.81	0.0450		1.61	1.866E-05
On-Site Travel Buildings 8-9	63	20.52	0.0450		1.20	1.394E-05
On-Site Travel Buildings 10, 17, 18	60	8.43	0.0450		0.38	4.392E-06
On-Site Travel Buildings 11-12	82	12.08	0.0450		0.54	6.291E-06
On-Site Travel Building 13	94	12.75	0.0450		0.57	6.640E-06
On-Site Travel Building 14	100	15.94	0.0450		0.72	8.306E-06
On-Site Travel Buildings 15-16	58	6.43	0.0450		0.29	3.350E-06
On-Site Travel Buildings 19-21	57	7.52	0.0450		0.34	3.918E-06
On-Site Travel Buildings 33-35	51	2.94	0.0450		0.13	1.532E-06
On-Site Travel Buildings 22-25	70	13.71	0.0450		0.62	7.143E-06
On-Site Travel Buildings 26-32	60	13.81	0.0450		0.62	7.193E-06
Off-Site Travel 65% (site adjacent)	676	188.01	0.0193		3.72	4.303E-05
Off-Site Travel 35% (site adjacent)	364	83.84	0.0193		1.64	1.902E-05
Off-Site Travel 30% to I-15/2nd	312	163.02	0.0193		3.27	3.790E-05
Off-Site Travel 5% to Hamner Ave.	52	94.16	0.0193		2.81	3.247E-05
Off-Site Travel 15% First St. to Hidden Valley	156	130.10	0.0193		2.54	2.942E-05
Off-Site Adjacent Travel 50% south on Mountain	520	353.49	0.0193		6.90	7.985E-05

^a Vehicle miles traveled are for modeled truck route only.

^b Emission rates determined using EMFAC 2017. Idle emission rates are expressed in grams per idle hour rather than grams per mile.

^c This column includes the total truck travel and truck idle emissions. For idle emissions this column includes emissions based on the assumption that each truck idles for 15 minutes.

Idling / TRU Unmitigated

Emission Factor:

TRU EF 0.008 g/bhp-hr

TRU HP 34 HP

TRU Load Factor 0.53

TRU EF @34 HP and 0.53 LF 0.14416 g/idle-hr

Source: https://ww3.arb.ca.gov/msprog/moyer/guidelines/draft_emission_factor_wrkshp.pdf

calendar_	season_m	sub_area	vehicle_class	fuel	temperatu	relative_h	process	speed_tim
2022	Annual	Riverside (	HHDT	Dsl	60	70	RUNEX	5
2022	Annual	Riverside (	HHDT	Dsl	60	70	RUNEX	25
2022	Annual	Riverside (	LHDT1	Dsl	60	70	RUNEX	5
2022	Annual	Riverside (	LHDT1	Dsl	60	70	RUNEX	25
2022	Annual	Riverside (	MHDT	Dsl	60	70	RUNEX	5
2022	Annual	Riverside (	MHDT	Dsl	60	70	RUNEX	25
2022	Annual	Riverside (	HHDT	Dsl			IDLEX	
2022	Annual	Riverside (	LHDT1	Dsl			IDLEX	
2022	Annual	Riverside (	MHDT	Dsl			IDLEX	

pollutant	emission_rate
PM10	0.043461
PM10	0.018326
PM10	0.076718
PM10	0.027515
PM10	0.070223
PM10	0.035704
PM10	0.015028
PM10	0.78701
PM10	0.147006

EMFAC2017 (v1.0.2) Emissions Inventory

Region Type: County

Region: RIVERSIDE

Calendar Year: 2022

Season: Annual

Vehicle Classification: EMFAC2007 Categories

Units: miles/day for VMT, trips/day for Trips, tons/day for Emissions, 1000 gallons/day for Fuel Consumption

Region	Calendar Y	Vehicle Ca	Model Yea	Speed	Fuel	Population
RIVERSID	2022	HHDT	Aggregate	Aggregate	GAS	7.255052
RIVERSID	2022	HHDT	Aggregate	Aggregate	DSL	27819.82
RIVERSID	2022	HHDT	Aggregate	Aggregate	NG	316.9854
RIVERSID	2022	LHDT1	Aggregate	Aggregate	GAS	20620.88
RIVERSID	2022	LHDT1	Aggregate	Aggregate	DSL	20161.77
RIVERSID	2022	MHDT	Aggregate	Aggregate	GAS	2027.159
RIVERSID	2022	MHDT	Aggregate	Aggregate	DSL	15610.04

HHDT% GAS/NG	0.011521
HHDT% DSL	0.988479
LHDT1% GAS	0.505629
LHDT1% DSL	0.494371
MHDT% GAS	0.114937
MHDT% DSL	0.885063

This page intentionally left blank

APPENDIX 2.4:

RISK ESTIMATES

Table 1
Quantification of Carcinogenic Risks and Noncarcinogenic Hazards

Source (a)	Mass GLC		Weight Fraction (d)	Contaminant (e)	Carcinogenic Risk				Noncarcinogenic Hazards/ Toxicological Endpoints**									
	(ug/m ³)	(mg/m ³)			URF (ug/m ³) ⁻¹	CPF (mg/kg/day) ⁻¹	DOSE (mg/kg-day)	RISK	REL (ug/m ³)	RfD (mg/kg/day)	RESP	CNS/PNS	CV/BL	IMMUN	KIDN	GI/LV	REPRO	EYES
	(b)	(c)			(f)	(g)	(h)	(i)	(j)	(k)	(l)	(m)	(n)	(o)	(p)	(q)	(r)	(s)
	0.00089	8.90E-07	1.00E+00	Diesel Particulate	3.0E-04	1.1E+00	3.5E-08	5.1E-10	5.0E+00	1.4E-03	1.8E-04							
TOTAL					5.1E-10				1.8E-04		0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00

0.00

** Key to Toxicological Endpoints

RESP Respiratory System
CNS/PNS Central/Peripheral Nervous System
CV/BL Cardiovascular/Blood System
IMMUN Immune System
KIDN Kidney
GI/LV Gastrointestinal System/Liver
REPRO Reproductive System (e.g. teratogenic and developmental effects)
EYES Eye irritation and/or other effects

Note: Exposure factors used to calculate contaminant intake

exposure frequency (days/year)	40
exposure duration (years)	0.11
inhalation rate (L/kg-day)	361
inhalation absorption factor	1
averaging time (years)	70
fraction of time at home	0.85
age sensitivity factor	10

Table 2
Quantification of Carcinogenic Risks and Noncarcinogenic Hazards

Source (a)	Mass GLC		Weight Fraction (d)	Contaminant (e)	Carcinogenic Risk				Noncarcinogenic Hazards/ Toxicological Endpoints**									
	(ug/m ³)	(mg/m ³)			URF (ug/m ³) ⁻¹	CPF (mg/kg/day) ⁻¹	DOSE (mg/kg-day)	RISK	REL (ug/m ³)	RfD (mg/kg/day)	RESP	CNS/PNS	CV/BL	IMMUN	KIDN	GI/LV	REPRO	EYES
	(b)	(c)			(f)	(g)	(h)	(i)	(j)	(k)	(l)	(m)	(n)	(o)	(p)	(q)	(r)	(s)
	0.00034	3.40E-07	1.00E+00	Diesel Particulate	3.0E-04	1.1E+00	1.6E-08	2.7E-10	5.0E+00	1.4E-03	6.8E-05							
TOTAL					2.7E-10				6.8E-05 0.0E+00 0.0E+00 0.0E+00 0.0E+00 0.0E+00 0.0E+00 0.0E+00 0.0E+00									

0.00

** Key to Toxicological Endpoints

RESP Respiratory System
CNS/PNS Central/Peripheral Nervous System
CV/BL Cardiovascular/Blood System
IMMUN Immune System
KIDN Kidney
GI/LV Gastrointestinal System/Liver
REPRO Reproductive System (e.g. teratogenic and developmental effects)
EYES Eye irritation and/or other effects

Note: Exposure factors used to calculate contaminant intake

exposure frequency (days/year)	47
exposure duration (years)	0.13
inhalation rate (L/kg-day))	361
inhalation absorption factor	1
averaging time (years)	70
fraction of time at home	0.85
age sensitivity factor	10

Table 3
Quantification of Carcinogenic Risks and Noncarcinogenic Hazards

Source (a)	Mass GLC		Weight Fraction (d)	Contaminant (e)	Carcinogenic Risk				Noncarcinogenic Hazards/ Toxicological Endpoints**									
	(ug/m ³)	(mg/m ³)			URF (ug/m ³) ⁻¹	CPF (mg/kg/day) ⁻¹	DOSE (mg/kg-day)	RISK	REL (ug/m ³)	RfD (mg/kg/day)	RESP	CNS/PNS	CV/BL	IMMUN	KIDN	GI/LV	REPRO	EYES
	(b)	(c)			(f)	(g)	(h)	(i)	(j)	(k)	(l)	(m)	(n)	(o)	(p)	(q)	(r)	(s)
	0.00034	3.40E-07	1.00E+00	Diesel Particulate	3.0E-04	1.1E+00	3.4E-08	4.0E-10	5.0E+00	1.4E-03	6.8E-05							
TOTAL					4.0E-10				6.8E-05 0.0E+00 0.0E+00 0.0E+00 0.0E+00 0.0E+00 0.0E+00 0.0E+00 0.0E+00									

0.00

** Key to Toxicological Endpoints

RESP Respiratory System
CNS/PNS Central/Peripheral Nervous System
CV/BL Cardiovascular/Blood System
IMMUN Immune System
KIDN Kidney
GI/LV Gastrointestinal System/Liver
REPRO Reproductive System (e.g. teratogenic and developmental effects)
EYES Eye irritation and/or other effects

Note: Exposure factors used to calculate contaminant intake

exposure frequency (days/year)	33
exposure duration (years)	0.09
inhalation rate (L/kg-day)	1090
inhalation absorption factor	1
averaging time (years)	70
fraction of time at home	0.85
age sensitivity factor	10

Table 4
Quantification of Carcinogenic Risks and Noncarcinogenic Hazards

Source (a)	Mass GLC		Weight Fraction (d)	Contaminant (e)	Carcinogenic Risk				Noncarcinogenic Hazards/ Toxicological Endpoints**									
	(ug/m ³) (b)	(mg/m ³) (c)			URF	CPF	DOSE	RISK	REL	RfD	RESP	CNS/PNS	CV/BL	IMMUN	KIDN	GI/LV	REPRO	EYES
					(ug/m ³) ⁻¹ (f)	(mg/kg/day) ⁻¹ (g)	(mg/kg-day) (h)	 (i)	(ug/m ³) (j)	(mg/kg/day) (k)	 (l)	 (m)	 (n)	 (o)	 (p)	 (q)	 (r)	 (s)
	0.01815	1.82E-05	1.00E+00	Diesel Particulate	3.0E-04	1.1E+00	4.3E-06	1.3E-07	5.0E+00	1.4E-03	3.6E-03							
TOTAL								1.3E-07			3.6E-03	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00	

0,13

** Key to Toxicological Endpoints

RESP	Respiratory System
CNS/PNS	Central/Peripheral Nervous System
CV/BL	Cardiovascular/Blood System
IMMUN	Immune System
KIDN	Kidney
GI/LV	Gastrointestinal System/Liver
REPRO	Reproductive System (e.g. teratogenic and developmental effects)
EYES	Eye irritation and/or other effects

Note: Exposure factors used to calculate contaminant intake

exposure frequency (days/year)	80
exposure duration (years)	0.23
inhalation rate (L/kg-day))	1090
inhalation absorption factor	1
averaging time (years)	70
fraction of time at home	0.85
age sensitivity factor	10

Table 5
Quantification of Carcinogenic Risks and Noncarcinogenic Hazards

Source (a)	Mass GLC		Weight Fraction (d)	Contaminant (e)	Carcinogenic Risk				Noncarcinogenic Hazards/ Toxicological Endpoints**									
	(ug/m ³)	(mg/m ³)			URF (ug/m ³) ⁻¹	CPF (mg/kg/day) ⁻¹	DOSE (mg/kg-day)	RISK	REL (ug/m ³)	RfD (mg/kg/day)	RESP	CNS/PNS	CV/BL	IMMUN	KIDN	GI/LV	REPRO	EYES
	(b)	(c)			(f)	(g)	(h)	(i)	(j)	(k)	(l)	(m)	(n)	(o)	(p)	(q)	(r)	(s)
	0.01393	1.39E-05	1.00E+00	Diesel Particulate	3.0E-04	1.1E+00	1.2E-05	1.4E-06	5.0E+00	1.4E-03	2.8E-03							
TOTAL								1.4E-06			2.8E-03	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00

1.36

** Key to Toxicological Endpoints

RESP Respiratory System
CNS/PNS Central/Peripheral Nervous System
CV/BL Cardiovascular/Blood System
IMMUN Immune System
KIDN Kidney
GI/LV Gastrointestinal System/Liver
REPRO Reproductive System (e.g. teratogenic and developmental effects)
EYES Eye irritation and/or other effects

Note: Exposure factors used to calculate contaminant intake

exposure frequency (days/year)	300
exposure duration (years)	0.86
inhalation rate (L/kg-day)	1090
inhalation absorption factor	1
averaging time (years)	70
fraction of time at home	0.85
age sensitivity factor	10

Table 6
Quantification of Carcinogenic Risks and Noncarcinogenic Hazards

Source (a)	Mass GLC		Weight Fraction (d)	Contaminant (e)	Carcinogenic Risk				Noncarcinogenic Hazards/ Toxicological Endpoints**									
	(ug/m ³)	(mg/m ³)			URF (ug/m ³) ⁻¹	CPF (mg/kg/day) ⁻¹	DOSE (mg/kg-day)	RISK	REL (ug/m ³)	RfD (mg/kg/day)	RESP	CNS/PNS	CV/BL	IMMUN	KIDN	GI/LV	REPRO	EYES
	(b)	(c)			(f)	(g)	(h)	(i)	(j)	(k)	(l)	(m)	(n)	(o)	(p)	(q)	(r)	(s)
	0.00302	3.02E-06	1.00E+00	Diesel Particulate	3.0E-04	1.1E+00	1.8E-06	1.3E-07	5.0E+00	1.4E-03	6.0E-04							
TOTAL					1.3E-07				6.0E-04		0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00

0.13

** Key to Toxicological Endpoints

RESP Respiratory System
CNS/PNS Central/Peripheral Nervous System
CV/BL Cardiovascular/Blood System
IMMUN Immune System
KIDN Kidney
GI/LV Gastrointestinal System/Liver
REPRO Reproductive System (e.g. teratogenic and developmental effects)
EYES Eye irritation and/or other effects

Note: Exposure factors used to calculate contaminant intake

exposure frequency (days/year)	200
exposure duration (years)	0.57
inhalation rate (L/kg-day)	1090
inhalation absorption factor	1
averaging time (years)	70
fraction of time at home	0.85
age sensitivity factor	10

Table 7
Quantification of Carcinogenic Risks and Noncarcinogenic Hazards

Source (a)	Mass GLC		Weight Fraction (d)	Contaminant (e)	Carcinogenic Risk				Noncarcinogenic Hazards/ Toxicological Endpoints**									
	(ug/m ³)	(mg/m ³)			URF (ug/m ³) ⁻¹	CPF (mg/kg/day) ⁻¹	DOSE (mg/kg-day)	RISK	REL (ug/m ³)	RfD (mg/kg/day)	RESP	CNS/PNS	CV/BL	IMMUN	KIDN	GI/LV	REPRO	EYES
	(b)	(c)			(f)	(g)	(h)	(i)	(j)	(k)	(l)	(m)	(n)	(o)	(p)	(q)	(r)	(s)
	0.00105	1.05E-06	1.00E+00	Diesel Particulate	3.0E-04	1.1E+00	1.3E-07	1.8E-09	5.0E+00	1.4E-03	2.1E-04							
TOTAL								1.8E-09			2.1E-04	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00

0.00

** Key to Toxicological Endpoints

RESP Respiratory System
CNS/PNS Central/Peripheral Nervous System
CV/BL Cardiovascular/Blood System
IMMUN Immune System
KIDN Kidney
GI/LV Gastrointestinal System/Liver
REPRO Reproductive System (e.g. teratogenic and developmental effects)
EYES Eye irritation and/or other effects

1.62

Note: Exposure factors used to calculate contaminant intake

exposure frequency (days/year) 40
exposure duration (years) 0.11
inhalation rate (L/kg-day)) 1090
inhalation absorption factor 1
averaging time (years) 70
fraction of time at home 0.85
age sensitivity factor 10

Table 1
Quantification of Carcinogenic Risks and Noncarcinogenic Hazards
-0.25 to 0 Age Bin Exposure Scenario

Source (a)	Mass GLC		Weight Fraction (d)	Contaminant (e)	Carcinogenic Risk				Noncarcinogenic Hazards/ Toxicological Endpoints**									
	(ug/m ³)	(mg/m ³)			URF (ug/m ³) ⁻¹	CPF (mg/kg/day) ⁻¹	DOSE (mg/kg-day)	RISK	REL (ug/m ³)	RfD (mg/kg/day)	RESP	CNS/PNS	CV/BL	IMMUN	KIDN	GI/LV	REPRO	EYES
	(b)	(c)			(f)	(g)	(h)	(i)	(j)	(k)	(l)	(m)	(n)	(o)	(p)	(q)	(r)	(s)
	0.00973	9.73E-06	1.00E+00	Diesel Particulate	3.0E-04	1.1E+00	3.4E-06	1.1E-07	5.0E+00	1.4E-03	1.9E-03							
TOTAL								1.1E-07			1.9E-03	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00

** Key to Toxicological Endpoints

RESP Respiratory System
CNS/PNS Central/Peripheral Nervous System
CV/BL Cardiovascular/Blood System
IMMUN Immune System
KIDN Kidney
GI/LV Gastrointestinal System/Liver
REPRO Reproductive System (e.g. teratogenic and developmental effects)
EYES Eye irritation and/or other effects

Note: Exposure factors used to calculate contaminant intake

exposure frequency (days/year) 350
exposure duration (years) 0.25
inhalation rate (L/kg-day) 361
inhalation absorption factor 1
averaging time (years) 70
fraction of time at home 0.85
age sensitivity factor (age third trimester) 10

Table 2
Quantification of Carcinogenic Risks and Noncarcinogenic Hazards
0-2 Age Bin Exposure Scenario

Source (a)	Mass GLC		Weight Fraction (d)	Contaminant (e)	Carcinogenic Risk				Noncarcinogenic Hazards/ Toxicological Endpoints**									
	(ug/m ³) (b)	(mg/m ³) (c)			URF (ug/m ³) ⁻¹ (f)	CPF (mg/kg/day) ⁻¹ (g)	DOSE (mg/kg-day) (h)	RISK (i)	REL (ug/m ³) (j)	RfD (mg/kg/day) (k)	RESP (l)	CNS/PNS (m)	CV/BL (n)	IMMUN (o)	KIDN (p)	GI/LV (q)	REPRO (r)	EYES (s)
	0.00973	9.73E-06	1.00E+00	Diesel Particulate	3.0E-04	1.1E+00	1.0E-05	2.6E-06	5.0E+00	1.4E-03	1.9E-03							
TOTAL								2.6E-06			1.9E-03	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00

** Key to Toxicological Endpoints

RESP Respiratory System
CNS/PNS Central/Peripheral Nervous System
CV/BL Cardiovascular/Blood System
IMMUN Immune System
KIDN Kidney
GI/LV Gastrointestinal System/Liver
REPRO Reproductive System (e.g. teratogenic and developmental effects)
EYES Eye irritation and/or other effects

Note: Exposure factors used to calculate contaminant intake

exposure frequency (days/year) 350
exposure duration (years) 2
inhalation rate (L/kg-day) 1090
inhalation absorption factor 1
averaging time (years) 70
fraction of time at home 0.85
age sensitivity factor (0 to 2 years old) 10

Table 3
Quantification of Carcinogenic Risks and Noncarcinogenic Hazards
2-16 Age Bin Exposure Scenario

Source (a)	Mass GLC		Weight Fraction (d)	Contaminant (e)	Carcinogenic Risk				Noncarcinogenic Hazards/ Toxicological Endpoints**									
	(ug/m ³)	(mg/m ³)			URF (ug/m ³) ⁻¹	CPF (mg/kg/day) ⁻¹	DOSE (mg/kg-day)	RISK	REL (ug/m ³)	RfD (mg/kg/day)	RESP	CNS/PNS	CV/BL	IMMUN	KIDN	GI/LV	REPRO	EYES
	(b)	(c)			(f)	(g)	(h)	(i)	(j)	(k)	(l)	(m)	(n)	(o)	(p)	(q)	(r)	(s)
	0.00973	9.73E-06	1.00E+00	Diesel Particulate	3.0E-04	1.1E+00	7.0E-06	3.2E-06	5.0E+00	1.4E-03	1.9E-03							
TOTAL								3.2E-06			1.9E-03	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00

** Key to Toxicological Endpoints

RESP Respiratory System
CNS/PNS Central/Peripheral Nervous System
CV/BL Cardiovascular/Blood System
IMMUN Immune System
KIDN Kidney
GI/LV Gastrointestinal System/Liver
REPRO Reproductive System (e.g. teratogenic and developmental effects)
EYES Eye irritation and/or other effects

Note: Exposure factors used to calculate contaminant intake

exposure frequency (days/year)	350
exposure duration (years)	14
inhalation rate (L/kg-day)	745
inhalation absorption factor	1
averaging time (years)	70
fraction of time at home	0.72
age sensitivity factor (ages 2 to 16 years)	3

Table 4
Quantification of Carcinogenic Risks and Noncarcinogenic Hazards
16-30 Age Bin Exposure Scenario

[illegible]

** Key to Toxicological Endpoints

RESP	Respiratory System
CNS/PNS	Central/Peripheral Nervous System
CV/BL	Cardiovascular/Blood System
IMMUN	Immune System
KIDN	Kidney
GI/LV	Gastrointestinal System/Liver
REPRO	Reproductive System (e.g. teratogenic and developmental effects)
EYES	Eye irritation and/or other effects

Note: Exposure factors used to calculate contaminant intake

exposure frequency (days/year)	350
exposure duration (years)	14
inhalation rate (L/kg-day))	335
inhalation absorption factor	1
averaging time (years)	70
fraction of time at home	0.73
age sensitivity factor (ages 16 to 30 years old)	1

Total Risk for All Age Bins (per million)	6.33
--	-------------

Table 5
Quantification of Carcinogenic Risks and Noncarcinogenic Risks
25-Year Worker Exposure Scenario

	Source	Mass GLC		Weight Fraction	Contaminant	Carcinogenic Risk				Noncarcinogenic Hazards/ Toxicological Endpoints**									
		(ug/m ³) (a)	(mg/m ³) (b)			URF (ug/m ³) ⁻¹ (f)	CPF (mg/kg/day) ⁻¹ (g)	DOSE (mg/kg-day) (h)	RISK (i)	REL (ug/m ³) (j)	RfD (mg/kg/day) (k)	RESP (l)	CNS/PNS (m)	CV/BL (n)	IMMUN (o)	KIDN (p)	GI/LV (q)	REPRO (r)	EYES (s)
1	Diesel Particulates	6.82E-03	6.82E-06	1.00E+00	Diesel Particulate	3.0E-04	1.1E+00	1.3E-06	4.7E-07	5.0E+00	1.4E-03								
TOTAL						4.7E-07 0.47				1.4E-03 0.0E+00 0.0E+00 0.0E+00 0.0E+00 0.0E+00 0.0E+00 0.0E+00 0.0E+00									

** Key to Toxicological Endpoints

Note:

Exposure factors used to calculate contaminant intake

RESP	Respiratory System	exposure frequency (days/year)	250
CNS/PNS	Central/Peripheral Nervous System	exposure duration (years)	25
CV/BL	Cardiovascular/Blood System	inhalation rate (L/kg-day))	271
IMMUN	Immune System	inhalation absorption factor	1
KIDN	Kidney	averaging time (years)	70
GI/LV	Gastrointestinal System/Liver		
REPRO	Reproductive System (e.g. teratogenic and developmental effects)		
EYES	Eye irritation and/or other effects		

Table 6
Quantification of Carcinogenic Risks and Noncarcinogenic Risks
9-Year School Child Exposure Scenario

	Source	Mass GLC		Weight Fraction	Contaminant	Carcinogenic Risk				Noncarcinogenic Hazards/ Toxicological Endpoints**									
		(ug/m ³)	(mg/m ³)			URF	CPF	DOSE	RISK	REL	RfD	RESP	CNS/PNS	CV/BL	IMMUN	KIDN	GI/LV	REPRO	EYES
	(a)	(b)	(c)	(d)	(e)	(f)	(g)	(h)	(i)	(j)	(k)	(l)	(m)	(n)	(o)	(p)	(q)	(r)	(s)
1	Diesel Particulates	1.62E-03	1.62E-06	1.00E+00	Diesel Particulate	3.0E-04	1.1E+00	6.9E-07	2.8E-07	5.0E+00	1.4E-03	3.2E-04							
TOTAL									2.8E-07 0.28			3.2E-04	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00

** Key to Toxicological Endpoints

Note:

Exposure factors used to calculate contaminant intake

RESP	Respiratory System	exposure frequency (days/year)	180
CNS/PNS	Central/Peripheral Nervous System	exposure duration (years)	9
CV/BL	Cardiovascular/Blood System	inhalation rate (L/kg-day))	861
IMMUN	Immune System	inhalation absorption factor	1
KIDN	Kidney	averaging time (years)	70
GI/LV	Gastrointestinal System/Liver	age sensitivity factor (ages 4-13)	3
REPRO	Reproductive System (e.g. teratogenic and developmental effects)		
EYES	Eye irritation and/or other effects		