



KUNZMAN ASSOCIATES, INC.

PUENTE HILLS LANDFILL PARK MASTER PLAN

**AIR QUALITY, GLOBAL CLIMATE CHANGE, AND
HEALTH RISK ASSESSMENT IMPACT ANALYSIS**

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I. INTRODUCTION AND SETTING

A. Purpose and Objectives

This study was performed to address the possibility of regional and local air quality impacts, global climate change impacts, and health risk impacts from air emissions. The objectives of the study include:

- documentation of the atmospheric setting
- discussion of criteria pollutants and greenhouse gases
- discussion of the air quality and global climate change regulatory framework
- discussion of the air quality, greenhouse gases, and cancer risk thresholds of significance
- analysis of the construction related air quality and greenhouse gas emissions
- analysis of the operations related air quality and greenhouse gas emissions
- analysis of the conformity of the proposed project with the South Coast Air Quality Management District (SCAQMD) Air Quality Management Plan (AQMP)
- recommendations for mitigation measures

The County of Los Angeles is the lead agency responsible for preparation of this air quality analysis, in accordance with the California Environmental Quality Act authorizing legislation. Although this is a technical report, every effort has been made to write the report clearly and concisely. To assist the reader with terms unique to air quality and global climate change, a definition of terms has been provided in Appendix A.

B. Project Location

The proposed project is located within the boundaries of the Puente Hills Landfill (landfill), which is owned by the Sanitation Districts of Los Angeles County (Sanitation Districts). The landfill is approximately 1,365 acres in size and has been closed since 2013. The landfill is located southeast of the intersection of the SR-60 Freeway and I-605 Freeway in unincorporated Los Angeles County. Although the entire landfill site is not located in the City of Industry, the address of the landfill front entry is 13130 Crossroads Parkway South, City of Industry, CA 91746. Full vehicular access to the site is currently available via a single driveway from Crossroads Parkway South.

The Puente Hills Landfill site contains a series of ridges, hillsides, and canyons which rise up around surrounding valleys to an elevation of 900 feet. The site currently contains a range of environments, including natural and artificial slopes that support native habitats, restored native habitats, non-native planted woodlands, actively managed artificial landfill decks, an extensive paved and unpaved road network, and several maintenance buildings. The landfill decks are still settling as underlying trash decomposes and many of these hillsides are traversed by landfill gas (methane) pipelines ranging in diameter from 12 to 36 inches. The entire site is traversed by more than 10 miles of internal roadways of varying widths, which are not open to the public. Landfill closure and maintenance activities and facilities are currently the dominant uses of the project site, including the operation of heavy equipment and the Materials Recovery Facility (MRF) on the northwestern edge of

the site. Landfill closure activities are projected to continue for at least 30 years, decreasing over time as deck settling rates and landfill gas production decline. A vicinity map showing the project location is provided on Figure 1.

C. Project Description

The overall project site occupies approximately 600 acres, accessed by way of a single existing landfill access road, which connects with Crossroads Parkway South. The project would develop approximately 117 acres of the overall site with new recreational opportunities. Facilities would include picnic areas, scenic overlooks, running trails, equestrian trails, a dog park, slides, zip lines, climbing stairs, a bicycle skills area, bicycle rentals and restrooms. A visitor center would be located on the landfill access road. Open space within the park would be available for special single-day or multi-day events and performances during daytime hours. The largest events may draw 2,000 to 5,000 people. Landscaping would be added to the site and trails would extend beyond the 117-acre area, connecting with the existing Schabarum Skyline Trail, which extends from Covina to Whittier.

This analysis focuses on a) the final park concept ('project'), which includes everything mentioned above together with approximately 30,950 square feet of on-site buildings/structures and approximately 200 parking spaces throughout the site, b) the recreate alternative (high-build alternative), which includes all the same features as the project together with an additional 9,300 square feet of on-site buildings (for a total of 40,250 square feet of on-site buildings) and 600 parking spaces. The impacts for the low-build ecology alternative (lower building square footage than the project, but also includes 600 parking spaces) are also discussed. The project site plan is illustrated on Figure 2.

D. Sensitive Receptors in Project Vicinity

Those who are sensitive to air pollution include children, the elderly, and persons with preexisting respiratory or cardiovascular illness. For purposes of CEQA, the SCAQMD defines a sensitive receptor as a land use such as residences, schools, child care centers, athletic facilities, playgrounds, retirement homes and convalescent homes (South Coast Air Quality Management District 2008). Commercial and industrial facilities are not included in the definition because employees do not typically remain on-site for 24 hours.

The project site is largely bordered by developed urban uses. Surrounding land uses include office and light industrial uses to the west and north; residential and open space/ preserve properties to the east and south; and Rose Hills Memorial Park, Rio Hondo College, and a Southern California Edison electrical transmission line right-of-way to the south and west. The SR-60 Freeway borders the site to the northeast. Multi-use trails constructed and maintained by the Los Angeles County Department of Parks and Recreation (County) adjoin and cross the site connecting east to west over the former landfill. Surrounding cities and unincorporated communities include the City of South El Monte to the northwest, the Cities of Industry and La Puente to the north, the unincorporated community of Hacienda Heights to the east, the City of Whittier to the south, and the City of Pico Rivera to the west.

The northern boundary of the project site is bordered by the 350 foot wide SR-60 Freeway, which carries an estimated 200,000 vehicles per day. North of the SR-60 Freeway lies the Wildwood mobile home park as well as major commercial centers (e.g., Fry's Electronics), light industrial uses, and both channelized and relatively natural segments of San Jose Creek.

To the east, the project site is bordered by a 3,400 foot wide open space corridor that links the site to native habitats in the Hacienda Hills (see discussion below). The eastern boundary of the project site is bordered by the unincorporated community of Hacienda Heights, which includes a single-family detached residential neighborhood, Orange Grove Middle School, and Orange Grove Park.

To the south and southwest, the project site is bordered by a mix of uses, including a 230-acre preserve area managed by the Puente Hills Habitat Authority, a cemetery use (Rose Hills Memorial Park), and a Southern California Edison (SCE) right-of-way that contains two high power overhead electric transmission lines (T/L). The manicured lawns of Rose Hills Memorial Park extend for approximately one mile along the southwestern boundary of the project site. This shared boundary includes areas of open undeveloped grassland, which have been approved for cemetery expansion. An SCE right-of-way is located between Rose Hills Memorial Park and the project site. This SCE right-of-way contains two high power overhead electric T/L; a 220 kilovolt (kv) T/L and a 500 kv T/L suspended from lattice towers.

To the west, the project site is bordered by Rio Hondo College. Rio Hondo College is a community college with a mix of uses, including extensive surface parking lots, classroom and administration buildings, and the native habitats of Ecology Canyon. Ecology Canyon is a 24-acre area which is used by the Rio Hondo College for study purposes and has been designated as a Significant Ecological Area (SEA) in the Los Angeles County General Plan. Beyond Rio Hondo College to the west there are light industrial and commercial uses, the I-605 Freeway, and the San Gabriel River.

The nearest sensitive receptors to the project include: the single-family detached residential dwelling units located directly east and southeast of the project boundary along Beech Hill Avenue; the single-family detached residential dwelling units located along Overcrest Drive approximately 0.6 miles southwest of the site, the Wildwood Mobile Country Club located north of the SR-60 Freeway, approximately 0.5 miles northwest of the project boundary; Rio Hondo College athletic fields located approximately 0.25 miles southwest of the site; and Orange Grove Middle School and Palm Elementary School located adjacent to, and 0.38 miles to, the eastern boundary of the site respectively.

E. Executive Summary of Findings

Construction-Source Emissions

Project and project-alternatives (high-build and low-build) construction-source emissions would not exceed applicable regional thresholds of significance established by the SCAQMD. For localized emissions, the project will not exceed applicable Localized Significance Thresholds (LSTs) established by the SCAQMD.

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

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

Operational-Source Emissions

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

Project and project-alternatives (high-build and low-build) operational-source emissions would not conflict with the Basin Air Quality Management Plan (AQMP). The project's emissions meet SCAQMD regional thresholds and will not result in a significant cumulative impact. The project does not propose any such uses or activities that would result in potentially significant operational-source odor impacts. Potential operational-source odor impacts are therefore considered less-than significant. However, as , even with mitigation, project-related and project-alternative (high-build) GHG emissions exceed SCAQMD draft screening thresholds for all land uses, impacts from GHG emissions for the project and project-alternative (high-build) are considered to be significant and unavoidable.

Furthermore as the patrons of the site would be exposed to high levels of DPM emissions from the adjacent SR-60 Freeway which would exceed the SCAQMD MICR threshold of 10 in one million. Impacts from TAC freeway-related emissions are considered to be significant and unavoidable for any alternative proposed on-site. However, the non-cancer related risks from freeway emissions are considered to be less than significant. The cancer and non-cancer risks to park patrons from the 24 landfill gas (LFG) flares on-site are less than significant.

Figure 1
Project Location Map

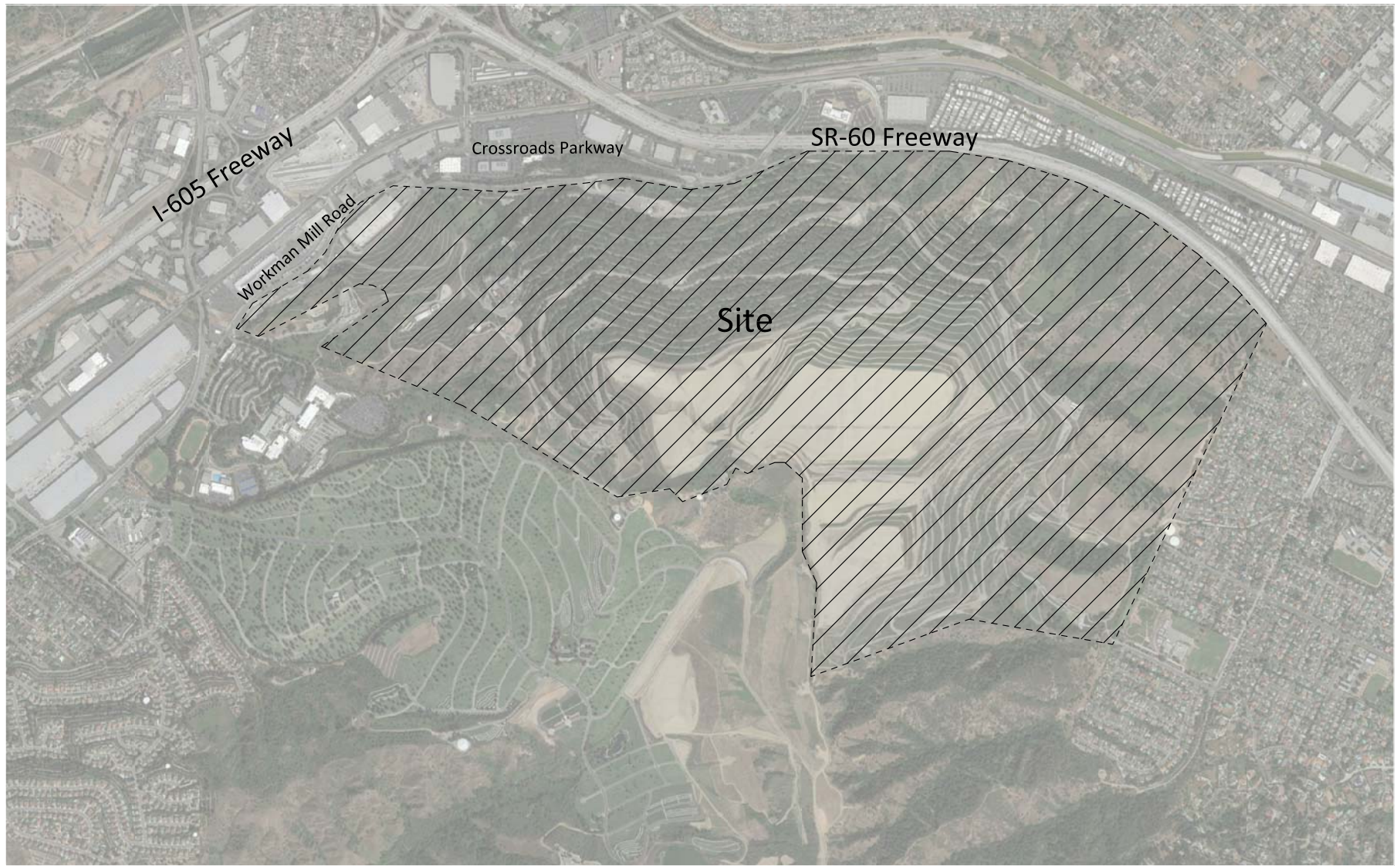


Figure 2
Site Plan



II. ATMOSPHERIC SETTING

A. Local Air Quality

The project is located within the unincorporated portion of Los Angeles County, and lies within the South Coast Air Basin (Basin). The project area is under the jurisdiction of the South Coast Air Quality Management District (SCAQMD). The Basin is a 6,600-square-mile coastal plain bounded by the Pacific Ocean to the southwest and the San Gabriel, San Bernardino, and San Jacinto Mountains to the north and east. The Basin includes the non-desert portions of Los Angeles, Riverside, and San Bernardino counties, and all of Orange County.

The ambient concentrations of air pollutants are determined by the amount of emissions released by sources and the atmosphere's ability to transport and dilute such emissions. Natural factors that affect transport and dilution include terrain, wind, atmospheric stability, and sunlight. Therefore, existing air quality conditions in the area are determined by such natural factors as topography, meteorology, and climate, in addition to the amount of emissions released by existing air pollutant sources.

Atmospheric conditions such as wind speed, wind direction, and air temperature gradients interact with the physical features of the landscape to determine the movement and dispersal of air pollutants. The topography and climate of southern California combine to make the Basin an area of high air pollution potential. The Basin is a coastal plain with connecting broad valleys and low hills, bounded by the Pacific Ocean to the west and high mountains around the rest of the perimeter. The general region lies in the semi-permanent high-pressure zone of the eastern Pacific, resulting in a mild climate tempered by cool sea breezes with light average wind speeds. The project site is located toward the northeast portion of the South Coast Air Basin near the foot of the San Bernardino Mountains, which defines the eastern boundary of the South Coast Air Basin.

Winds are an important parameter in characterizing the air quality environment of a project site because they both determine the regional pattern of air pollution transport and control the rate of dispersion near a source. Daytime winds in northwestern Riverside County are usually light breezes from off the coast as air moves regionally onshore from the cool Pacific Ocean to the warm Mojave Desert interior of Southern California. These winds allow for good local mixing, but also carry significant amounts of industrial and automobile air pollutants from the densely urbanized western portion of the South Coast Air Basin into the interior valleys which become trapped by the mountains that border the eastern edge of the South Coast Air Basin.

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

In the winter, light nocturnal winds result mainly from the drainage of cool air off of the mountains toward the valley floor while the air aloft over the valley remains warm. This forms a type of inversion known as a radiation inversion. Such winds are characterized by stagnation and poor local mixing and trap pollutants such as automobile exhaust near their source. While these inversions may lead to air pollution “hot spots” in heavily developed coastal areas of the basin, there is not enough traffic in inland valleys to cause any winter air pollution problems. Despite light wind conditions, especially at night and in the early morning, winter is generally a period of good air quality in the project vicinity.

The temperature and precipitation levels for the Montebello area, are shown below in Table 1. Table 1 shows that August is typically the warmest month and January is typically the coolest month. Rainfall in the project area varies considerably in both time and space. Almost all the annual rainfall comes from the fringes of mid-latitude storms from late November to early April, with summers being almost completely dry.

Table 1**Montebello Area Monthly Climate Data¹**

Descriptor	Month of Year											
	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
Avg. Max. Temperature	69.4	71.1	72.9	77.6	79.4	83.7	88.5	89.7	87.9	82.6	75.4	70.8
Avg. Min. Temperature	47.8	48.9	50.4	53.2	57.2	60.8	64.2	65.2	63.6	58.3	51.4	47.2
Avg. Total Precipitation (in.)	3.69	3.56	2.82	0.78	0.19	0.06	0.01	0.02	0.17	0.28	1.26	1.94

¹ Source: <http://www.wrcc.dri.edu/cgi-bin/cliMAIN.pl?ca5790>

III. POLLUTANTS

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

A. Criteria Pollutants

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

1. Nitrogen Dioxide (NO₂)

Nitrogen Oxides (NO_x) is the generic term for a group of highly reactive gases which contain nitrogen and oxygen. While most NO_x are colorless and odorless, concentrations of nitrogen dioxide (NO₂) can often be seen as a reddish-brown layer over many urban areas. NO_x forms when fuel is burned at high temperatures, as in a combustion process. The primary manmade sources of NO_x are motor vehicles, electric utilities, and other industrial, commercial, and residential sources that burn fuel. NO_x reacts with other pollutants to form, ground-level ozone, nitrate particles, acid aerosols, as well as NO₂, which cause respiratory problems. NO_x and the pollutants formed from NO_x can be transported over long distances, following the patterns of prevailing winds. Therefore controlling NO_x is often most effective if done from a regional perspective, rather than focusing on the nearest sources.

2. Ozone (O₃)

Ozone is not usually emitted directly into the air but at ground-level is created by a chemical reaction between NO_x and volatile organic compounds (VOC) in the presence of sunlight. Motor vehicle exhaust, industrial emissions, gasoline vapors, chemical solvents as well as natural sources emit NO_x and VOC that help form ozone. Ground-level ozone is the primary constituent of smog. Sunlight and hot weather cause ground-level ozone to form with the greatest concentrations usually occurring downwind from urban areas. Ozone is subsequently considered a regional pollutant. Ground-level ozone is a respiratory irritant and an oxidant that increases susceptibility to respiratory infections and can cause substantial damage to vegetation and other materials. Because NO_x and VOC are ozone precursors, the health effects associated with ozone are also indirect health effects associated with significant levels of NO_x and VOC emissions.

3. Carbon Monoxide (CO)

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

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

4. Sulfur Dioxide (SO₂)

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

5. Lead (Pb)

Lead is a metal found naturally in the environment as well as manufactured products. The major sources of lead emissions have historically been motor vehicles and industrial sources. Due to the phase out of leaded gasoline, metal processing is now the primary source of lead emissions to the air. High levels of lead in the air are typically only found near lead smelters, waste incinerators, utilities, and lead-acid battery manufacturers. Exposure of fetuses, infants and children to low levels of lead can adversely affect the development and function of the central nervous system,

leading to learning disorders, distractibility, inability to follow simple commands, and lower intelligence quotient. In adults, increased lead levels are associated with increased blood pressure.

6. Particulate Matter (PM)

Particulate matter (PM) is the term for a mixture of solid particles and liquid droplets found in the air. Particulate matter is made up of a number of components including acids (such as nitrates and sulfates), organic chemicals, metals, and soil or dust particles. The size of particles is directly linked to their potential for causing health problems. Particles that are less than 10 micrometers in diameter (PM₁₀) are the particles that generally pass through the throat and nose and enter the lungs. Once inhaled, these particles can affect the heart and lungs and cause serious health effects. Particles that are less than 2.5 micrometers in diameter (PM_{2.5}) have been designated as a subset of PM₁₀ due to their increased negative health impacts and its ability to remain suspended in the air longer and travel further.

7. Volatile Organic Compounds (VOC)

Although not a criteria pollutant, reactive organic gases (ROGs), or VOCs, are defined as any compound of carbon—excluding carbon monoxide, carbon dioxide, carbonic acid, metallic carbides or carbonates, and ammonium carbonate—that participates in atmospheric photochemical reactions. Although there are slight differences in the definition of ROGs and VOCs, the two terms are often used interchangeably. Indoor sources of VOCs include paints, solvents, aerosol sprays, cleansers, tobacco smoke, etc. Outdoor sources of VOCs are from combustion and fuel evaporation. A reduction in VOC emissions reduces certain chemical reactions that contribute to the formulation of ozone. VOCs are transformed into organic aerosols in the atmosphere, which contribute to higher PM₁₀ and lower visibility.

B. Other Pollutants of Concern

1. Toxic Air Contaminants

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

Toxic air contaminants are less pervasive in the urban atmosphere than criteria air pollutants, however they are linked to short-term (acute) or long-term (chronic or carcinogenic) adverse human health effects. There are hundreds of different types of

toxic air contaminants with varying degrees of toxicity. Sources of toxic air contaminants include industrial processes, commercial operations (e.g., gasoline stations and dry cleaners), and motor vehicle exhaust.

According to the 2005 California Almanac of Emissions and Air Quality, the majority of the estimated health risk from toxic air contaminants can be attributed to relatively few compounds, the most important of which is diesel particulate matter (DPM). Diesel particulate matter is a subset of PM_{2.5} because the size of diesel particles are typically 2.5 microns and smaller. The identification of diesel particulate matter as a toxic air contaminant in 1998 led the California Air Resources Board (CARB) to adopt the Risk Reduction Plan to Reduce Particulate Matter Emissions from Diesel-fueled Engines and Vehicles in September 2000. The plan's goals are a 75-percent reduction in diesel particulate matter by 2010 and an 85-percent reduction by 2020 from the 2000 baseline. Diesel engines emit a complex mixture of air pollutants, composed of gaseous and solid material. The visible emissions in diesel exhaust are known as particulate matter or PM, which includes carbon particles or "soot." Diesel exhaust also contains a variety of harmful gases and over 40 other cancer-causing substances. California's identification of diesel particulate matter as a toxic air contaminant was based on its potential to cause cancer, premature deaths, and other health problems. Exposure to diesel particulate matter is a health hazard, particularly to children whose lungs are still developing and the elderly who may have other serious health problems. Overall, diesel engine emissions are responsible for the majority of California's potential airborne cancer risk from combustion sources.

2. Asbestos

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

C. Greenhouse Gases

Constituent gases of the Earth's atmosphere, called atmospheric greenhouse gases (GHG), play a critical role in the Earth's radiation amount by trapping infrared radiation emitted from the Earth's surface, which otherwise would have escaped to space. Prominent greenhouse gases contributing to this process include carbon dioxide (CO₂), methane (CH₄), ozone, water vapor, nitrous oxide (N₂O), and chlorofluorocarbons (CFCs). This phenomenon, known as the Greenhouse Effect, is responsible for maintaining a habitable

climate. Anthropogenic (caused or produced by humans) emissions of these greenhouse gases in excess of natural ambient concentrations are responsible for the enhancement of the Greenhouse Effect and have led to a trend of unnatural warming of the Earth's natural climate, known as global warming or climate change. Emissions of gases that induce global warming are attributable to human activities associated with industrial/manufacturing, agriculture, utilities, transportation, and residential land uses. Transportation is responsible for 41 percent of the State's greenhouse gas emissions, followed by electricity generation. Emissions of CO₂ and nitrous oxide (NO_x) are byproducts of fossil fuel combustion. Methane, a potent greenhouse gas, results from off-gassing associated with agricultural practices and landfills. Sinks of CO₂, where CO₂ is stored outside of the atmosphere, include uptake by vegetation and dissolution into the ocean. The following provides a description of each of the greenhouse gases and their global warming potential.

1. Water Vapor

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

2. Carbon Dioxide (CO₂)

The natural production and absorption of CO₂ is achieved through the terrestrial biosphere and the ocean. However, humankind has altered the natural carbon cycle by burning coal, oil, natural gas, and wood. Since the industrial revolution began in the mid 1700s. Each of these activities has increased in scale and distribution. CO₂ was the first GHG demonstrated to be increasing in atmospheric concentration with the first conclusive measurements being made in the last half of the 20th century. Prior to the industrial revolution, concentrations were fairly stable at 280 parts per million (ppm). The International Panel on Climate Change (IPCC) indicates that concentrations were 379 ppm in 2005, an increase of more than 30 percent. Left unchecked, the IPCC projects that concentration of carbon dioxide in the atmosphere is projected to increase to a minimum of 540 ppm by 2100 as a direct result of

anthropogenic sources. This could result in an average global temperature rise of at least two degrees Celsius or 3.6 degrees Fahrenheit.

3. Methane (CH₄)

CH₄ is an extremely effective absorber of radiation, although its atmospheric concentration is less than that of CO₂. Its lifetime in the atmosphere is brief (10 to 12 years), compared to some other GHGs (such as CO₂, N₂O, and Chlorofluorocarbons (CFCs)). CH₄ has both natural and anthropogenic sources. It is released as part of the biological processes in low oxygen environments, such as in swamplands or in rice production (at the roots of the plants). Over the last 50 years, human activities such as growing rice, raising cattle, using natural gas, and mining coal have added to the atmospheric concentration of methane. Other anthropocentric sources include fossil-fuel combustion and biomass burning.

4. Nitrous Oxide (N₂O)

Concentrations of N₂O also began to rise at the beginning of the industrial revolution. In 1998, the global concentration of this GHG was documented at 314 parts per billion (ppb). N₂O is produced by microbial processes in soil and water, including those reactions which occur in fertilizer containing nitrogen. In addition to agricultural sources, some industrial processes (fossil fuel-fired power plants, nylon production, nitric acid production, and vehicle emissions) also contribute to its atmospheric load. It is also commonly used as an aerosol spray propellant, (i.e., in whipped cream bottles, in potato chip bags to keep chips fresh, and in rocket engines and in race cars).

5. Chlorofluorocarbons (CFCs)

CFCs are gases formed synthetically by replacing all hydrogen atoms in methane or ethane (C₂H₆) with chlorine and/or fluorine atoms. CFCs are nontoxic, nonflammable, insoluble, and chemically unreactive in the troposphere (the level of air at the Earth's surface). CFCs have no natural source, but were first synthesized in 1928. It was used for refrigerants, aerosol propellants, and cleaning solvents. Due to the discovery that they are able to destroy stratospheric ozone, a global effort to halt their production was undertaken and in 1989 the European Community agreed to ban CFCs by 2000 and subsequent treaties banned CFCs worldwide by 2010. This effort was extremely successful, and the levels of the major CFCs are now remaining level or declining. However, their long atmospheric lifetimes mean that some of the CFCs will remain in the atmosphere for over 100 years.

6. Hydrofluorocarbons (HFCs)

HFCs are synthetic man-made chemicals that are used as a substitute for CFCs. Out of all the GHGs, they are one of three groups with the highest global warming potential. The HFCs with the largest measured atmospheric abundances are (in order), HFC-23 (CHF₃), HFC-134a (CF₃CH₂F), and HFC-152a (CH₃CHF₂). Prior to 1990, the only significant emissions were HFC-23. HFC-134a use is increasing due to its use as a

refrigerant. Concentrations of HFC-23 and HFC-134a in the atmosphere are now about 10 parts per trillion (ppt) each. Concentrations of HFC-152a are about 1 ppt. HFCs are manmade for applications such as automobile air conditioners and refrigerants.

7. Perfluorocarbons (PFCs)

PFCs have stable molecular structures and do not break down through the chemical processes in the lower atmosphere. High-energy ultraviolet rays about 60 kilometers above Earth's surface are able to destroy the compounds. Because of this, PFCs have very long lifetimes, between 10,000 and 50,000 years. Two common PFCs are tetrafluoromethane (CF_4) and hexafluoroethane (C_2F_6). Concentrations of CF_4 in the atmosphere are over 70 ppt. The two main sources of PFCs are primary aluminum production and semiconductor manufacturing.

8. Sulfur Hexafluoride (SF_6)

SF_6 is an inorganic, odorless, colorless, nontoxic, nonflammable gas. SF_6 has the highest global warming potential of any gas evaluated; 23,900 times that of CO_2 . Concentrations in the 1990s were about 4 ppt. Sulfur hexafluoride is used for insulation in electric power transmission and distribution equipment, in the magnesium industry, in semiconductor manufacturing, and as a tracer gas for leak detection.

9. Aerosols

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

10. Global Warming Potential

GHGs have varying global warming potential (GWP). The global warming potential is the potential of a gas or aerosol to trap heat in the atmosphere; it is the cumulative radiative forcing effects of a gas over a specified time horizon resulting from the emission of a unit mass of gas relative to the reference gas, CO_2 . One teragram of carbon dioxide equivalent ($\text{Tg CO}_2\text{e}$) is essentially the emissions of the gas multiplied by the global warming potential. One teragram is equal to one million metric tons. The carbon dioxide equivalent is a good way to assess emissions because it gives weight to the global warming potential of the gas. A summary of the atmospheric lifetime and the global warming potential of selected gases are summarized in Table 2. As shown in Table 2, the global warming potential of GHGs ranges from 1 to 22,800.

Table 2**Global Warming Potentials and Atmospheric Lifetimes¹**

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

¹ Source: <http://www3.epa.gov/climatechange/ghgemissions/gases.html>

² Compared to the same quantity of CO₂ emissions.

³ Carbon dioxide's lifetime is poorly defined because the gas is not destroyed over time, but instead moves among different parts of the ocean–atmosphere–land system. Some of the excess carbon dioxide will be absorbed quickly (for example, by the ocean surface), but some will remain in the atmosphere for thousands of years, due in part to the very slow process by which carbon is transferred to ocean sediments.

IV. AIR QUALITY MANAGEMENT

A. Regulatory Setting

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

1. International

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

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

2. Federal - United States Environmental Protection Agency

The United States Environmental Protection Agency (EPA) is responsible for setting and enforcing the National Ambient Air Quality Standards (NAAQS) for atmospheric pollutants. It regulates emission sources that are under the exclusive authority of the federal government, such as aircraft, ships, and certain locomotives. The National Ambient Air Quality Standards (NAAQS) pollutants were identified using medical evidence and are shown below in Table 3.

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

As indicated below in Table 4, the Basin has been designated by the EPA as a non-attainment area for ozone (O₃) and suspended particulates (PM₁₀). Currently, the Basin is in attainment with the national ambient air quality standards for carbon

monoxide (CO), lead, sulfur dioxide (SO₂), and nitrogen dioxide (NO₂) and is classified as attainment/unclassified for PM_{2.5}.

In 2011, the Basin exceeded federal standards for either ozone at one or more locations on a total of 124 days, based on the current federal standards for 8-hour ozone. Despite substantial improvements in air quality over the past few decades, some air monitoring stations in the Basin still exceed the NAAQS for ozone more frequently than any other stations in the U.S. In 2011, three of the top five stations that exceeded the 8-hour ozone NAAQS were located in the Basin (Central San Bernardino Mountains, East San Bernardino Valley, and Metropolitan Riverside County).

PM_{2.5} in the Basin has improved significantly in recent years, with 2010 and 2011 being the cleanest years on record. In 2011, only one station in the Basin (Metropolitan Riverside County at Mira Loma) exceeded the annual PM_{2.5} NAAQS and the 98th percentile form of the 24-hour PM_{2.5} NAAQS, as well as the 3-year design values for these standards. Basin-wide, the federal PM_{2.5} 24-hour standard level was exceeded in 2011 on 17 sampling days.

The Basin is currently in attainment for the federal standards for carbon monoxide (CO), lead, sulfur dioxide (SO₂), and nitrogen dioxide (NO₂). While the concentration level of the new 1-hour NO₂ federal standard (100 ppb) was exceeded in the Basin at two stations (Central Los Angeles and Long Beach) on the same day in 2011, the NAAQS NO₂ design value has not been exceeded. Therefore, the Basin remains in attainment of the NO₂ NAAQS.

The EPA designated the Los Angeles County portion of the Basin as nonattainment for the recently revised (2008) federal lead standard (0.15 µg/m³, rolling 3-month average), due to the addition of source-specific monitoring under the new federal regulation. This designation was based on two source-specific monitors in Vernon and the City of Industry exceeding the new standard in the 2007-2009 period of data used. For the 2009-2011 data period, only one of these stations (Vernon) still exceeded the lead standard.

In *Massachusetts v. Environmental Protection Agency* (Docket No. 05–1120), argued November 29, 2006 and decided April 2, 2007, the U.S. Supreme Court held that not only did the EPA have authority to regulate greenhouse gases, but the EPA's reasons for not regulating this area did not fit the statutory requirements. As such, the U.S. Supreme Court ruled that the EPA should be required to regulate CO₂ and other greenhouse gases as pollutants under the federal Clean Air Act (CAA).

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

engines, and facilities that emit 25,000 metric tons or more per year of GHG emissions to submit annual reports to EPA.

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

On March 19, 2015, the Whitehouse announced that President Obama will issue an Executive Order that will cut the Federal Government's greenhouse gas (GHG) emissions 40 percent over the next decade from 2008 levels -- saving taxpayers up to \$18 billion in avoided energy costs -- and increase the share of electricity the Federal Government consumes from renewable sources to 30 percent. Complementing this effort, several major Federal suppliers are announcing commitments to cut their own GHG emissions. Today, the Administration is hosting a roundtable that will bring some of these large Federal suppliers together to discuss the benefits of their GHG reduction targets or to make their first-ever corporate commitments to disclose emissions and set new reduction goals.

Together, the combined results of the Federal Government actions and new supplier commitments will reduce GHG emissions by 26 million metric tons by 2025 from 2008 levels, the equivalent of taking nearly 5.5 million cars off the road for a year. And to encourage continued progress across the Federal supply chain, the Administration is releasing a new scorecard to publicly track self-reported emissions disclosure and progress for all major Federal suppliers, who together represent more than \$187 billion in Federal spending and account for more than 40 percent of all Federal contract dollars.

Since the Federal Government is the single largest consumer of energy in the Nation, Federal emissions reductions and progress across the supply chain will have broad impacts. The new commitments announced today support the United States' international commitment to cut net GHG emissions 26-28 percent below 2005 levels by 2025, which President Obama first announced in November 2014 as part of an historic agreement with China. Additionally, the goals build on the strong progress made by Federal agencies during the first six years of the Administration under President Obama's 2009 Executive Order on Federal Leadership on Environmental, Energy and Economic Performance, including reducing Federal GHG emissions by 17 percent — which helped Federal agencies avoid \$1.8 billion in cumulative energy costs — and increasing the share of renewable energy consumption to 9 percent.¹

¹ Source: <https://www.whitehouse.gov/the-press-office/2015/03/19/fact-sheet-reducing-greenhouse-gas-emissions-federal-government-and-acro>.

3. State – California Air Resources Board

The California Air Resources Board (CARB), which is a part of the California Environmental Protection Agency, is responsible for the coordination and administration of both federal and state air pollution control programs within California. In this capacity, the CARB conducts research, sets the California Ambient Air Quality Standards (CAAQS), compiles emission inventories, develops suggested control measures, provides oversight of local programs, and prepares the State Implementation Plan (SIP). The California Ambient Air Quality Standards (CAAQS) for criteria pollutants are shown in Table 3. In addition, the CARB establishes emission standards for motor vehicles sold in California, consumer products (e.g., hairspray, aerosol paints, and barbecue lighter fluid), and various types of commercial equipment. It also sets fuel specifications to further reduce vehicular emissions.

The South Coast Air Basin has been designated by the CARB as a nonattainment area for ozone, PM₁₀ and PM_{2.5}. Currently, the South Coast Air Basin is in attainment with the ambient air quality standards for CO, lead, SO₂, NO₂, and sulfates and is unclassified for visibility reducing particles and Hydrogen Sulfide.

On June 20, 2002, the CARB revised the PM₁₀ annual average standard to 20 µg/m³ and established an annual average standard for PM_{2.5} of 12 µg/m³. These standards were approved by the Office of Administrative Law in June 2003 and are now effective. On September 27, 2007 CARB approved the South Coast Air Basin and the Coachella Valley 2007 Air Quality Management Plan for Attaining the Federal 8-hour Ozone and PM_{2.5} Standards. The plan projects attainment for the 8-hour Ozone standard by 2024 and the PM_{2.5} standard by 2015.

On December 12, 2008 the CARB adopted Resolution 08-43, which limits NO_x, PM₁₀ and PM_{2.5} emissions from on-road diesel truck fleets that operate in California. On October 12, 2009 Executive Order R-09-010 was adopted that codified Resolution 08-43 into Section 2025, title 13 of the California Code of Regulations. This regulation requires that by the year 2023 all commercial diesel trucks that operate in California shall meet model year 2010 (Tier 4) or latter emission standards. In the interim period, this regulation provides annual interim targets for fleet owners to meet. This regulation also provides a few exemptions including a onetime per year 3-day pass for trucks registered outside of California.

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

The CARB also proposed interim statewide CEQA thresholds for GHG emissions and released Recommended Approaches for Setting Interim Significance Thresholds for

Greenhouse Gases under the California Environmental Quality Act, on October 24, 2008. The State currently has no regulations that establish ambient air quality standards for GHGs. However, the State has passed laws directing CARB to develop actions to reduce GHG emissions, which are listed below.

Assembly Bill 1493

California Assembly Bill 1493 enacted on July 22, 2002, required CARB to develop and adopt regulations that reduce GHGs emitted by passenger vehicles and light duty trucks. In 2005, the CARB submitted a “waiver” request to the EPA from a portion of the federal Clean Air Act in order to allow the State to set more stringent tailpipe emission standards for CO₂ and other GHG emissions from passenger vehicles and light duty trucks. On December 19, 2007 the EPA announced that it denied the “waiver” request. On January 21, 2009, CARB submitted a letter to the EPA administrator regarding the State’s request to reconsider the waiver denial. The EPA approved the waiver on June 30, 2009.

Executive Order S-3-05

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

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

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

Assembly Bill 32

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

On December 6, 2007 CARB released the calculated Year 1990 GHG emissions of 427 million metric tons of CO₂e (MMTCO₂e). The 2020 target of 427 MMTCO₂e requires the reduction of 169 MMTCO₂e, or approximately 30 percent from the State’s projected 2020 business as usual emissions of 596 MMTCO₂e and the reduction of 42 MMTCO₂e, or almost 10 percent from the

2002-2004 average GHG emissions. Under AB 32, CARB was required to adopt regulations by January 1, 2011 to achieve reductions in GHGs to meet the 1990 cap by 2020. Early measures CARB took to lower GHG emissions included requiring operators of the largest industrial facilities that emit 25,000 metric tons of CO₂ in a calendar year to submit verification of GHG emissions by December 1, 2010. The CARB Board also approved nine discrete early action measures that include regulations affecting landfills, motor vehicle fuels, refrigerants in cars, port operations and other sources that became enforceable on or before January 1, 2010.

On December 11, 2008 the CARB Board approved a Scoping Plan, with final adoption May 11, 2009 that proposed a variety of measures including direct regulations, alternative compliance mechanisms, monetary and non-monetary incentives, voluntary actions, a market-based cap-and-trade system, and a fee regulation to fund the program. In current pending litigation, *Association of Irrigated Residents v. California Air Resources Board*, a California State trial court found that the analysis of the alternatives identified in the AB 32 Scoping Plan Functional Equivalent Document (FED) was not sufficient for informed decision-making and public review under CEQA. In response, CARB has appealed the decision. In addition, CARB prepared the *Supplement to the AB 32 Scoping Plan Functional Equivalent Document*, June 13, 2011. On August 24, 2011 CARB recertified the complete AB 32 Scoping Plan Functional Equivalent Environmental Document revised by the Final Supplement. In December, 2011 the Final Supplement was accepted as sufficient to fulfill the trial court's March order.

The *First Update to the Climate Change Scoping Plan* was released in May 2014. Within that update, the ARB discusses the role local governments play in successful implementation of AB32 and states that local governments have "set municipal and community-wide GHG reduction targets of 15 percent below then-current levels by 2020, to coincide with the statewide limit."

Senate Bill 1368

Senate Bill 1368 (SB 1368) is the companion Bill of AB 32 and was adopted September, 2006. SB 1368 requires the California Public Utilities Commission (CPUC) to establish a performance standard for baseload generation of GHG emissions by investor-owned utilities by February 1, 2007 and for local publicly owned utilities by June 30, 2007. These standards could not exceed the GHG emissions rate from a baseload combined-cycle, natural gas-fired plant. Furthermore, the legislation states that all electricity provided to the State, including imported electricity, must be generated by plants that meet the standards set by California Public Utilities Commission (CPUC) and California Energy Commission (CEC).

Executive Order S-1-07

Executive Order S-1-07 was issued in 2007 and proclaims that the transportation sector is the main source of GHG emissions in the State, since it generates more than 40 percent of the State's GHG emissions. It establishes a

goal to reduce the carbon intensity of transportation fuels sold in the State by at least ten percent by 2020. This Order also directs CARB to determine whether this Low Carbon Fuel Standard (LCFS) could be adopted as a discrete early-action measure as part of the effort to meet the mandates in AB 32.

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

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

Senate Bill 97

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

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

- Climate action plans and other greenhouse gas reduction plans can be used to determine whether a project has significant impacts, based upon its compliance with the plan.
- Local governments are encouraged to quantify the greenhouse gas emissions of proposed projects, noting that they have the freedom to select the models and methodologies that best meet their needs and circumstances. The section also recommends consideration of several qualitative factors that may be used in the determination of significance, such as the extent to which the given project complies with state, regional, or local GHG reduction plans and policies. OPR does not set or dictate specific thresholds of significance. Consistent with existing CEQA Guidelines, OPR encourages local governments to develop and publish their own thresholds of significance for GHG impacts assessment.
- When creating their own thresholds of significance, local governments may consider the thresholds of significance adopted or recommended by other public agencies, or recommended by experts.
- New amendments include guidelines for determining methods to mitigate the effects of greenhouse gas emissions in Appendix F of the CEQA Guidelines.
- OPR is clear to state that “to qualify as mitigation, specific measures from an existing plan must be identified and incorporated into the project; general compliance with a plan, by itself, is not mitigation.”
- OPR’s emphasizes the advantages of analyzing GHG impacts on an institutional, programmatic level. OPR therefore approves tiering of environmental analyses and highlights some benefits of such an approach.
- Environmental impact reports (EIRs) must specifically consider a project’s energy use and energy efficiency potential.

Senate Bills 1078, 107, and X1-2 and Executive Orders S-14-08 and S-21-09

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

Senate Bill 375

Senate Bill 375 (SB 375) was adopted September 2008 and aligns regional transportation planning efforts, regional GHG emission reduction targets, and land use and housing allocation. SB 375 requires Metropolitan Planning Organizations (MPO) to adopt a sustainable communities strategy (SCS) or alternate planning strategy (APS) that will prescribe land use allocation in that MPOs Regional Transportation Plan (RTP). CARB, in consultation with each MPO, will provide each affected region with reduction targets for GHGs emitted by passenger cars and light trucks in the region for the years 2020 and 2035.

These reduction targets will be updated every eight years but can be updated every four years if advancements in emissions technologies affect the reduction strategies to achieve the targets. CARB is also charged with reviewing each MPO's sustainable communities strategy or alternate planning strategy for consistency with its assigned targets.

The proposed project is located within the Southern California Association of Governments (SCAG) jurisdiction, which has authority to develop the SCS or APS. For the SCAG region, the targets set by CARB are at eight percent below 2005 per capita GHG emissions levels by 2020 and 13 percent below 2005 per capita GHG emissions levels by 2035. On April 4, 2012, SCAG adopted the 2012-2035 Regional Transportation Plan / Sustainable Communities Strategy (RTP/SCS), which meets the CARB emission reduction requirements. The Housing Element Update is required by the State to be completed within 18 months after RTP/SCS adoption or by October 2013.

City and County land use policies, including General Plans, are not required to be consistent with the RTP and associated SCS or APS. However, new provisions of CEQA would incentivize, through streamlining and other provisions, qualified projects that are consistent with an approved SCS or APS and categorized as "transit priority projects."

Senate Bill X7-7

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

Assembly Bill 939 and Senate Bill 1374

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

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

CCR Title 24, Part 6: California's Energy Efficiency Standards for Residential and Nonresidential Buildings (Title 24) were first established in 1978 in response to a legislative mandate to reduce California's energy consumption. The standards are updated periodically to allow consideration and possible incorporation of new energy efficiency technologies and methods. Although it was not originally

intended to reduce GHG emissions, electricity production by fossil fuels results in GHG emissions and energy efficient buildings require less electricity. Therefore, increased energy efficiency results in decreased GHG emissions.

The Energy Commission adopted 2008 Standards on April 23, 2008 and Building Standards Commission approved them for publication on September 11, 2008. These updates became effective on August 1, 2009. 2013 Standards have been approved and are effective July 1, 2014.

California Code of Regulations (CCR) Title 24, Part 11

All buildings for which an application for a building permit is submitted on or after January 1, 2014 must follow the 2013 standards. The 2013 commercial standards are estimated to be 30 percent more efficient than the 2008 standards; residential standards are 25 percent more efficient. Energy efficient buildings require less electricity; therefore, increased energy efficiency reduces fossil fuel consumption and decreases greenhouse gas emissions.

California Green Building Standards

On January 12, 2010, the State Building Standards Commission unanimously adopted updates to the California Green Building Standards Code, which went into effect on January 1, 2011. The Code is a comprehensive and uniform regulatory code for all residential, commercial and school buildings. CCR Title 24, Part 11: California Green Building Standards (Title 24) became effective in 2001 in response to continued efforts to reduce GHG emissions associated with energy consumption. CCR Title 24, Part 11 now require that new buildings reduce water consumption, employ building commissioning to increase building system efficiencies, divert construction waste from landfills, and install low pollutant-emitting finish materials. One focus of CCR Title 24, Part 11 is water conservation measures, which reduce GHG emissions by reducing electrical consumption associated with pumping and treating water. CCR Title 24, Part 11 has approximately 52 nonresidential mandatory measures and an additional 130 provisions for optional use. Some key mandatory measures for commercial occupancies include specified parking for clean air vehicles, a 20 percent reduction of potable water use within buildings, a 50 percent construction waste diversion from landfills, use of building finish materials that emit low levels of volatile organic compounds, and commissioning for new, nonresidential buildings over 10,000 square feet.

The California Green Building Standards Code does not prevent a local jurisdiction from adopting a more stringent code as state law provides methods for local enhancements. The Code recognizes that many jurisdictions have developed existing construction and demolition ordinances, and defers to them as the ruling guidance provided they provide a minimum 50-percent diversion requirement. The code also provides exemptions for areas not served by construction and demolition recycling infrastructure. State building code provides the minimum standard that buildings need to meet in order to be certified for occupancy. Enforcement is generally through the local building official.

4. Regional

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

South Coast Air Quality Management District

The SCAQMD develops rules and regulations, establishes permitting requirements for stationary sources, inspects emission sources, and enforces such measures through educational programs or fines, when necessary. The SCAQMD is directly responsible for reducing emissions from stationary, mobile, and indirect sources. It has responded to this requirement by preparing a sequence of AQMPs. A revised draft of the 2012 AQMP was released on September, 2012, was adopted by the SCAQMD Board on December 7, 2012, and was adopted by CARB via Resolution 13-3 on January 25, 2013. The 2012 AQMP was prepared in order to meet the federal Clean Air Act requirement that all 24-hour PM_{2.5} non-attainment areas prepare a SIP, that were required to be submitted to the U.S. EPA by December 14, 2012 and demonstrate attainment with the 24-hour PM_{2.5} standard by 2014. The 2012 AQMP demonstrates attainment of the federal 24-hour PM_{2.5} standard by 2014 in the Basin through adoption of all feasible measures, and therefore, no extension of the attainment date is needed.

The 2007 AQMP demonstrated attainment with the 1997 8-hour ozone (80 ppb) standard by 2023, through implementation of future improvements in control techniques and technologies. These “black box” emissions reductions represent 65 percent of the remaining NO_x emission reductions by 2023 in order to show attainment with the 1997 8-hour ozone NAAQS. Given the magnitude of these needed emissions reductions, additional NO_x control measures have been provided in this AQMP even though the primary purpose of this AQMP is to show compliance with 24-hour PM_{2.5} emissions standards.

The 2012 AQMP is designed to satisfy the California Clean Air Act’s (CCAA) emission reductions of five percent per year or adoption of all feasible measures requirements and fulfill the EPA’s requirement to update transportation conformity emissions budgets based on the latest approved motor vehicle emissions model and planning assumptions. The 2012 AQMP updates and revises the previous 2007 AQMP. The 2012 AQMP was prepared to comply with the Federal and State CCAA and amendments, to accommodate growth, to reduce the high pollutant levels in the Basin, to meet Federal and State ambient air quality standards, and to minimize the fiscal impact that pollution control measures have on the local economy. The purpose of the 2012 AQMP for the Basin is to set forth a comprehensive program that will lead this area into compliance with all federal and state air-quality planning requirements.

The 2012 AQMP builds upon the approaches taken in the 2007 AQMP for the attainment of federal PM and ozone standards, and highlights the significant amount of reductions needed and the need to engage in interagency coordinated planning of mobile sources to meet all of the federal criteria pollutant standards. Compared with the 2007 AQMP, the 2012 AQMP utilizes revised emissions inventory projections that use 2008 as the base year. On-road emissions are calculated using CARB EMFAC2011 emission factors and the transportation activity data provided by SCAG from their 2012 Regional Transportation Plan (2012 RTP). Off-road emissions were updated using CARB's 2011 In-Use Off-Road Fleet Inventory Model. Since the 2007 AQMP was finalized new area source categories such as liquid propane gas (LPG) transmission losses, storage tank and pipeline cleaning and degassing, and architectural colorants, were created and included in the emissions inventories. The 2012 AQMP also includes analysis of several additional sources of GHG emissions such as landfills and could also assist in reaching the GHG target goals in the AB32 Scoping Plan.

The control measures in the 2012 AQMP consist of three components: 1) Basin-wide and episodic short-term PM_{2.5} measures; 2) Section 182(e)(5) implementation measures; and 3) Transportation control measures. Many of the control measures are not based on command and control regulations, but instead focus on incentives, outreach, and education to bring about emissions reductions through voluntary participation and behavioral changes. More broadly, a transition to zero- and near-zero emission technologies is necessary to meet 2023 and 2032 air quality standards and 2050 climate goals. Many of the same technologies will address both air quality and climate needs.

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

SCAQMD Rule 402 prohibits a person from discharging from any source whatsoever such quantities of air contaminants or other material which cause injury, detriment, nuisance, or annoyance to any considerable number of persons or to the public, or which endanger the comfort, repose, health or safety of any such persons or the public, or which cause, or have a natural tendency to cause, injury or damage to business or property.

SCAQMD Rule 403 governs emissions of fugitive dust during construction and operation activities. Compliance with this rule is achieved through application of standard Best Management Practices, such as application of water or chemical stabilizers to disturbed soils, covering haul vehicles, restricting vehicle speeds on unpaved roads to 15 miles per hour, sweeping loose dirt from paved site access roadways, cessation of construction activity when winds exceed 25 mph, and establishing a permanent ground cover on finished sites.

Rule 403 requires that fugitive dust be controlled with best available control measures so that the presence of such dust does not remain visible in the atmosphere beyond the property line of the emission source. In addition, SCAQMD Rule 403 requires implementation of dust suppression techniques to prevent fugitive

dust from creating a nuisance off-site. Applicable dust suppression techniques from Rule 403 are summarized below. Implementation of these dust suppression techniques can reduce the fugitive dust generation (and thus the PM₁₀ component). Compliance with these rules would reduce impacts on nearby sensitive receptors. Rule 403 measures may include but are not limited to the following:

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

SCAQMD Rule 445 prohibits permanently installed wood burning devices into any new development. A wood burning device means any fireplace, wood burning heater, or pellet-fueled wood heater, or any similarly enclosed, permanently installed, indoor or outdoor device burning any solid fuel for aesthetic or space-heating purposes, which has a heat input of less than one million British thermal units per hour.

SCAQMD Rule 481 applies to all spray painting and spray coating operations and equipment. The rule states that a person shall not use or operate any spray painting or spray coating equipment unless one of the following conditions is met:

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

- (3) An alternative method of coating application or control is used which has effectiveness equal to or greater than the equipment specified in the rule.

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

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

SCAQMD Rule 1143 governs the manufacture, sale, and use of paint thinners and solvents used in thinning of coating materials, cleaning of coating application equipment, and other solvent cleaning operations by limiting their VOC content. This rule regulates the VOC content of solvents used during construction. Solvents used during the construction phase must comply with this rule.

SCAQMD Rule 1186 limits the presence of fugitive dust on paved and unpaved roads and sets certification protocols and requirements for street sweepers that are under contract to provide sweeping services to any federal, state, county, agency or special district such as water, air, sanitation, transit, or school district.

SCAQMD Rule 1303 governs the permitting of re-located or new major emission sources, requiring Best Available Control Measures and setting significance limits for PM₁₀ among other pollutants.

SCAQMD Rule 1401, New Source Review of Toxic Air Contaminants, specifies limits for maximum individual cancer risk, cancer burden, and non-cancer acute and chronic hazard index from new permit units, relocations, or modifications to existing permit units, which emit toxic air contaminants.

SCAQMD Rule 2202, On-Road Motor Vehicle Mitigation Options, is to provide employers with a menu of options to reduce mobile source emissions generated from employee commutes, to comply with federal and state Clean Air Act requirements, Health & Safety Code Section 40458, and Section 182(d)(1)(B) of the federal Clean Air Act. It applies to any employer who employs 250 or more employees on a full or part-time basis at a worksite for a consecutive six-month period calculated as a monthly average.

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

SCAQMD Working Group

Since neither CARB nor the OPR has developed GHG emissions threshold, the SCAQMD formed a Working Group to develop significance thresholds related to GHG emissions. At the September 28, 2010 Working Group meeting, the SCAQMD released its most current version of the draft GHG emissions thresholds, which recommends a tiered approach that provides a quantitative annual thresholds of 10,000 MTCO₂e for industrial uses.

Rules 2700 and 2701

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

Rule 2702

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

Rule 3002

The SCAQMD amended Rule 3002 on November 5, 2010 to include facilities that emit greater than 100,000 tons per year of CO₂e are required to apply for a Title V permit by July 1, 2011. A Title V permit is for facilities that are considered major sources of emissions.

Although the SCAQMD is responsible for regional air quality planning efforts, it does not have the authority to directly regulate air quality issues associated with plans and new development projects throughout the South Coast Air Basin. Instead, this is controlled through local jurisdictions in accordance with the California Environmental Quality Act (CEQA). In order to assist local jurisdictions with air quality compliance issues the CEQA Air Quality Handbook (SCAQMD CEQA Handbook), prepared by the SCAQMD, 1993, with the most current updates found at <http://www.aqmd.gov/ceqa/hdbk.html>, was developed in accordance with the projections and programs of the AQMP. The purpose of the SCAQMD CEQA

Handbook is to assist Lead Agencies, as well as consultants, project proponents, and other interested parties in evaluating a proposed project's potential air quality impacts. Specifically, the SCAQMD CEQA Handbook explains the procedures that the SCAQMD recommends be followed for the environmental review process required by CEQA. The SCAQMD CEQA Handbook provides direction on how to evaluate potential air quality impacts, how to determine whether these impacts are significant, and how to mitigate these impacts. The SCAQMD intends that by providing this guidance, the air quality impacts of plans and development proposals will be analyzed accurately and consistently throughout the South Coast Air Basin, and adverse impacts will be minimized.

Southern California Association of Governments

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

5. Local – County of Los Angeles

The Air Quality Element of the County of Los Angeles General Plan summarizes air quality issues in the Basin, air quality-related plans and programs administered by federal, state, and special purpose agencies, and establishes goals and policies to improve air quality. These goals and policies in the Air Quality Element include:

Goal AQ 1: Protection from exposure to harmful air pollutants.

- AQ 1.1 Minimize health risks to people from industrial toxic or hazardous air pollutant emissions, with an emphasis on local hot spots, such as existing point sources affecting immediate sensitive receptors.
- AQ 1.2 Encourage the use of low or no volatile organic compound (VOC) emitting materials.
- AQ 1.3 Reduce particulate inorganic and biological emissions from construction, grading, excavation, and demolition to the maximum extent feasible.
- AQ 1.4 Work with local air quality management districts to publicize air quality warnings, and to track potential sources of airborne toxics from identified mobile and stationary sources.

- Goal AQ 2:** The reduction of air pollution and mobile source emissions through coordinated land use, transportation and air quality planning.
- AQ 2.1 Encourage the application of design and other appropriate measures when siting sensitive uses, such as residences, schools, senior centers, daycare centers, medical facilities, or parks with active recreational facilities within proximity to major sources of air pollution, such as freeways.
 - AQ 2.2 Participate in, and effectively coordinate the development and implementation of community and regional air quality programs.
 - AQ 2.3 Support the conservation of natural resources and vegetation to reduce and mitigate air pollution impacts.
 - AQ 2.4 Coordinate with different agencies to minimize fugitive dust from different sources, activities, and uses.
- Goal AQ 3:** Implementation of plans and programs to address the impacts of climate change.
- AQ 3.1 Facilitate the implementation and maintenance of the Community Climate Action Plan to ensure that the County reaches its climate change and greenhouse gas emission reduction goals.
 - AQ 3.2 Reduce energy consumption in County operations by 20 percent by 2015.
 - AQ 3.3 Reduce water consumption in County operations.
 - AQ 3.4 Participate in local, regional and state programs to reduce greenhouse gas emissions.
 - AQ 3.5 Encourage energy conservation in new development and municipal operations.
 - AQ 3.6 Support rooftop solar facilities on new and existing buildings.
 - AQ 3.7 Support and expand urban forest programs within the unincorporated areas.
 - AQ 3.8 Develop, implement, and maintain countywide climate change adaptation strategies to ensure that the community and public services are resilient to climate change impacts.

B. Monitored Air Quality

The air quality at any site is dependent on the regional air quality and local pollutant sources. Regional air quality is determined by the release of pollutants throughout the air basin. Estimates of the existing emissions in the Basin provided in the Final 2012 Air Quality Management Plan, prepared by SCAQMD, December 2012, indicate that collectively, mobile sources account for 59 percent of the VOC, 88 percent of the NO_x emissions and 40 percent of directly emitted PM_{2.5}, with another 10 percent of PM_{2.5} from road dust.

The EPA and the ARB designate air basins where ambient air quality standards are exceeded as “nonattainment” areas. If standards are met, the area is designated as an “attainment” area. If there is inadequate or inconclusive data to make a definitive attainment designation, they are considered “unclassified.” National nonattainment areas are further designated as marginal, moderate, serious, severe, or extreme as a function of deviation from standards. Each standard has a different definition, or ‘form’ of what constitutes attainment, based on specific air quality statistics. For example, the Federal 8-hour CO standard is not to be exceeded more than once per year; therefore, an area is in attainment of the CO standard if no more than one 8-hour ambient air monitoring value exceeds the threshold per year. In contrast, the Federal annual PM_{2.5} standard is met if the three-year average of the annual average PM_{2.5} concentration is less than or equal to the standard. Attainment status is shown in Table 4.

The local air quality can be evaluated by reviewing relevant air pollution concentrations near the project area. For evaluation purposes, the SCAQMD has divided the District into 36 Source Receptor Areas (SRAs) with operating monitoring stations in most of the areas. These SRAs are designated to provide a general representation of the local meteorological, terrain, and air quality conditions within the particular geographical area. The project is within the South San Gabriel Valley Area (SRA 11). SCAQMD operates the Pico Rivera-4144 air monitoring station at 4144 San Gabriel River Parkway, Pico Rivera (Pico Rivera Station), approximately 1.8 miles west of the project site. Since not all the monitoring stations monitor for all pollutants the next nearest station located approximately 11.36 miles northwest of the site at 1630 N Main Street, Los Angeles (Los Angeles Station), was used to complete the air pollutants concentration profiles. Table 5 summarizes 2013 through 2015 published monitoring data from the stations, which is the most recent 3-year period available. However, it should be noted that due to the air monitoring station distance from the project site, recorded air pollution levels at the air monitoring station reflect with varying degrees of accuracy, local air quality conditions at the project site.

The monitoring data presented in Table 5 shows that ozone and particulate matter (PM₁₀ and PM_{2.5}) are the air pollutants of primary concern in the project area.

Ozone

Ozone is a secondary pollutant as it is not directly emitted. Ozone is the result of chemical reactions between other pollutants, most importantly hydrocarbons and NO₂, which occur only in the presence of bright sunlight. Pollutants emitted from upwind cities react during transport downwind to produce the oxidant concentrations experienced in the area. Many areas of the SCAQMD contribute to the ozone levels experienced at the monitoring station, with the more significant areas being those directly upwind.

The Pico Rivera Station recorded an exceedance of the state 1-hour Ozone standards between two and seven days in the past three years. The state 8-hour Ozone standards were exceeded between three and 11 days during the 2013 to 2015 monitoring years. The federal 8-hour Ozone standards were not exceeded in 2013, however, they were exceeded between two and five days in 2014 and 2015.

Carbon Monoxide

CO is another important pollutant that is due mainly to motor vehicles. The Los Angeles Station did not record an exceedance of the state or federal 1-hour or 8-hour CO standards for the last three years.

Nitrogen Dioxide

The Pico Rivera Station recorded an exceedance of one day for the Federal NO₂ standard for the year 2013. The Pico Rivera Station did not record an exceedance of the State or Federal NO₂ standards in 2014 or 2015.

Particulate Matter

According to the EPA, some people are much more sensitive than others to breathing fine particles (PM₁₀ and PM_{2.5}). People with influenza, chronic respiratory and cardiovascular diseases, and the elderly may suffer worsening illness and premature death due to breathing these fine particles. People with bronchitis can expect aggravated symptoms from breathing in fine particles. Children may experience decline in lung function due to breathing in PM₁₀ and PM_{2.5}. Other groups considered sensitive are smokers and people who cannot breathe well through their noses. Exercising athletes are also considered sensitive, because many breathe through their mouths during exercise.

The Los Angeles Station recorded an exceedance of the PM₁₀ state standards between two and 38 days in the years 2013 to 2015, while the Pico Rivera Station recorded an exceedance of the PM_{2.5} federal standard of three days in 2015.

Table 3

State and Federal Criteria Pollutant Standards

Air Pollutant	Concentration / Averaging Time		Most Relevant Effects
	California Standards	Federal Primary Standards	
Ozone (O ₃)	0.09 ppm/1-hour 0.07 ppm/8-hour	0.075 ppm/8-hour	(a) Decline in pulmonary function and localized lung edema in humans and animals; (b) Risk to public health implied by alterations in pulmonary morphology and host defense in animals; (c) Increased mortality risk; (d) Risk to public health implied by altered connective tissue metabolism and altered pulmonary morphology in animals after long-term exposures and pulmonary function decrements in chronically exposed humans; (e) Vegetation damage; and (f) Property damage.
Carbon Monoxide (CO)	20.0 ppm/1-hour 9.0 ppm/8-hour	35.0 ppm/1-hour 9.0 ppm/8-hour	(a) Aggravation of angina pectoris and other aspects of coronary heart disease; (b) Decreased exercise tolerance in persons with peripheral vascular disease and lung disease; (c) Impairment of central nervous system functions; and (d) Possible increased risk to fetuses.
Nitrogen Dioxide (NO ₂)	0.18 ppm/1-hour 0.03 ppm/annual	100 ppb/1-hour 0.053 ppm/annual	(a) Potential to aggravate chronic respiratory disease and respiratory symptoms in sensitive groups; (b) Risk to public health implied by pulmonary and extra-pulmonary biochemical and cellular changes and pulmonary structural changes; and (c) Contribution to atmospheric discoloration.
Sulfur Dioxide (SO ₂)	0.25 ppm/1-hour 0.04 ppm/24-hour	75 ppb/1-hour 0.14 ppm/24-hour	(a) Bronchoconstriction accompanied by symptoms which may include wheezing, shortness of breath and chest tightness, during exercise or physical activity in persons with asthma.
Suspended Particulate Matter (PM ₁₀)	50 µg/m ³ /24-hour 20 µg/m ³ /annual	150 µg/m ³ /24-hour	(a) Exacerbation of symptoms in sensitive patients with respiratory or cardiovascular disease; (b) Declines in pulmonary function growth in children; (c) Increased risk of premature death from heart or lung diseases in elderly.
Suspended Particulate Matter (PM _{2.5})	12 µg/m ³ / annual	35 µg/m ³ /24-hour 12 µg/m ³ /annual	
Sulfates	25 µg/m ³ /24-hour	No Federal Standards	(a) Decrease in ventilatory function; (b) Aggravation of asthmatic symptoms; (c) Aggravation of cardio-pulmonary disease; (d) Vegetation damage; (e) Degradation of visibility; (f) property damage.
Lead	1.5 µg/m ³ /30-day	0.15 µg/m ³ /3-month rolling	(a) Learning disabilities; (b) Impairment of blood formation and nerve conduction.
Visibility Reducing Particles	Extinction coefficient of 0.23 per kilometer-visibility of 10 miles or more due to particles when humidity is less than 70 percent.	No Federal Standards	Visibility impairment on days when relative humidity is less than 70 percent.

¹ Source: <http://www.arb.ca.gov/research/aaqs/aaqs2.pdf>.

Table 4

South Coast Air Basin Attainment Status

Pollutant	Averaging Time	National Standards ¹	California Standards ²
1979 1-Hour Ozone ³	1-Hour (0.12 ppm)	Nonattainment (Extreme)	Extreme Nonattainment
1997 8-Hour Ozone ⁴	8-Hour (0.08 ppm)	Nonattainment (Extreme)	Nonattainment
2008 8-Hour Ozone	8-Hour (0.075 ppm)	Nonattainment (Extreme)	
CO	1-Hour (35 ppm) 8-Hour (9 ppm)	Attainment (Maintenance)	Maintenance
NO ₂ ⁵	1-Hour (100 ppb) Annual (0.053 ppm)	Attainment (Maintenance)	Attainment
SO ₂ ⁶	1-Hour (75 ppb)	Designations Pending	Attainment
	24-Hour (0.14 ppm) Annual (0.03 ppm)	Unclassifiable/ Attainment	
PM ₁₀	24-Hour (150 µg/m ³)	Attainment ⁷	Nonattainment
PM _{2.5}	24-Hour (35 µg/m ³)	Attainment	Unclassified
Lead	3-Months Rolling (0.15 µg/m ³)	Nonattainment (Partial) ⁸	Nonattainment (Partial) ⁸

¹ Obtained from Draft 2012 AQMP, SCAQMD, 2012. EPA often only declares Nonattainment areas; everywhere else is listed as Unclassified/Attainment or Unclassifiable. Unclassified is given to an area with insufficient data.

² Obtained from <http://www.arb.ca.gov/desig/adm/adm.htm>.

³ 1-hour O₃ standard (0.13 ppm) was revoked, effective June 15, 2005; however, the Basin has not attained this standard based on 2008-2010 data has some continuing obligations under the former standard.

⁴ 1997 8-hour O₃ standard (0.08 ppm) was reduced (0.075 ppm), effective May 27, 2008; the 1997 O₃ standard and most related implementation rules remain in place until the 1997 standard is revoked by U.S. EPA.

⁵ New NO₂ 1-hour standard, effective August 2, 2010; attainment designations June, 2013; annual NO₂ standard retained.

⁶ The 1971 annual and 24-hour SO₂ standards were revoked, effective August 23, 2010; however, these 1971 standards will remain in effect until one year after U.S. EPA promulgates area designations for the 2010 SO₂ 1-hour standard. Area designations expected in 2012, with SSAB designated Unclassifiable/Attainment.

⁷ Annual PM₁₀ standard was revoked, effective December 18, 2006; attainment in western portion of the Basin only; Coachella Valley is in non-attainment.

⁸ Partial Nonattainment designation - Los Angeles County portion of Basin only.

Table 5

Local Area Air Quality Monitoring Summary¹

Pollutant (Standard) ²	Year		
	2013	2014	2015
Ozone: ³			
Maximum 1-Hour Concentration (ppm)	0.101	0.121	0.107
Days > CAAQS (0.09 ppm)	2	7	6
Maximum 8-Hour Concentration (ppm)	0.073	0.092	0.082
Days > NAAQS (0.08 ppm)	0	5	2
Days > CAAQS (0.070 ppm)	3	7	11
Carbon Monoxide: ⁴			
Maximum 8-Hour Concentration (ppm)	*	*	*
Days > NAAQS (9 ppm)	0	0	0
Nitrogen Dioxide: ³			
Maximum 1-Hour Concentration (ppb)	104.6	86.7	70.4
Days > NAAQS (0.25 ppm)	1	0	0
Inhalable Particulates (PM10): ⁴			
Maximum 24-Hour Concentration (µg/m ³)	74.5	86.8	72
Days > NAAQS (150 µg/m ³)	0	0	0
Days > CAAQS (50 µg/m ³)	20	38	2
Ultra-Fine Particulates (PM2.5): ³			
Maximum 24-Hour Concentration (µg/m ³)	29.1	35.1	52.7
Days > NAAQS (35 µg/m ³)	0	0	3

¹ Source: <http://www.arb.ca.gov/adam/>.

² CAAQS = California Ambient Air Quality Standard; NAAQS = National Ambient Air Quality Standard; ppm = parts per million.

³ Data obtained from the Pico Rivera-4144 San Gabriel Monitoring Station.

⁴ Data obtained from the Los Angeles-North Main Street Monitoring Station.

* - insufficient (OR no) data available to determine the value

V. AIR QUALITY STANDARDS

A. Regional Air Quality

Many air quality impacts that derive from dispersed mobile sources, which are the dominate pollution generators in the basin, often occur hours later and miles away after photochemical processes have converted primary exhaust pollutants into secondary contaminants such as ozone. The incremental regional air quality impact of an individual project is generally very small and difficult to measure. Therefore, the SCAQMD has developed significance thresholds based on the volume of pollution emitted rather than on actual ambient air quality because the direct air quality impact of a project is not quantifiable on a regional scale. The SCAQMD CEQA Handbook states that any project in the South Coast Air Basin with daily emissions that exceed any of the identified significance thresholds should be considered as having an individually and cumulatively significant air quality impact. For the purposes of this air quality impact analysis, a regional air quality impact would be considered significant if emissions exceed the SCAQMD significance thresholds identified in Table 6.

B. Local Air Quality

Project-related construction air emissions may have the potential to exceed the State and Federal air quality standards in the project vicinity, even though these pollutant emissions may not be significant enough to create a regional impact to the South Coast Air Basin. In order to assess local air quality impacts the SCAQMD has developed Localized Significant Thresholds (LSTs) to assess the project-related air emissions in the project vicinity. The SCAQMD has also provided Final Localized Significant Threshold Methodology (LST Methodology), June 2003, which details the methodology to analyze local air emission impacts. The Localized Significant Threshold Methodology found that the primary emissions of concern are NO₂, CO, PM₁₀, and PM_{2.5}.

The significance thresholds for the local emissions of NO₂ and CO are determined by subtracting the highest background concentration from the last three years of these pollutants from Table 5 above, from the most restrictive ambient air quality standards for these pollutants that are outlined in the Localized Significant Thresholds. Table 6 shows the ambient air quality standards for NO₂, CO, and PM₁₀ and PM_{2.5}.

C. Toxic Air Contaminants

Construction

The construction equipment would emit DPM, which is a carcinogen. However, the DPM emissions are short-term in nature. Determination of risk from DPM is considered over a 70-year exposure period because carcinogenic risk is directly related to sustained exposure. In contrast, construction activities would be intermittent in nature and will be of varying intensity over approximately 20 years. Thus, duration of construction activities would represent a fraction of the 70-year exposure period used as the basis for assessing the significance of carcinogenic risk exposure and, therefore, would not represent a source of sustained DPM emissions. Furthermore, the majority of construction activity will occur over

half a mile from any existing sensitive receptors. Therefore, considering the shorter time frame and distance from construction-related DPM sources, exposure to DPM is anticipated to be less than significant.

Operation

The project proposes to construct a park. As such, the project will not be a source of toxic air contaminants. Exposure of sensitive receptors to toxic sources of air pollution has been examined in Section VIII.

D. Odor Impacts

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

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

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

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

E. Greenhouse Gases

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

SCAQMD Regulation XXVII, Climate Change. SCAQMD Regulation XXVII currently includes three rules:

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

A variety of agencies have developed greenhouse gas emission thresholds and/or have made recommendations for how to identify a threshold. However, the thresholds for projects in the jurisdiction of the SCAQMD remain in flux. The California Air Pollution Control Officers Association explored a variety of threshold approaches, but did not

recommend one approach (2008). The ARB recommended approaches for setting interim significance thresholds (California Air Resources Board 2008b), in which a draft industrial project threshold suggests that non-transportation related emissions under 7,000 MTCO₂e per year would be less than significant; however, the ARB has not approved those thresholds and has not published anything since then. The Bay Area Air Quality Management District and the San Joaquin Valley Air Pollution Control District have both developed greenhouse gas thresholds. However, those thresholds are not applicable to the project since the project is under the jurisdiction of the SCAQMD. The SCAQMD is in the process of developing thresholds, as discussed below.

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

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

- Tier 1 consists of evaluating whether or not the project qualifies for any applicable exemption under CEQA.
- Tier 2 consists of determining whether the project is consistent with a greenhouse gas reduction plan. If a project is consistent with a qualifying local greenhouse gas reduction plan, it does not have significant greenhouse gas emissions.
- Tier 3 consists of screening values, which the lead agency can choose, but must be consistent with all projects within its jurisdiction. A project’s construction emissions are averaged over 30 years and are added to a project’s operational emissions. If a project’s emissions are under one of the following screening thresholds, then the project is less than significant:
 - All land use types: 3,000 MTCO₂e per year
 - Based on land use type: residential: 3,500 MTCO₂e per year; commercial: 1,400 MTCO₂e per year; or mixed use: 3,000 MTCO₂e per year.
- Tier 4 has the following options:
 - Option 1: Reduce emissions from business as usual (BAU) by a certain percentage; this percentage is currently undefined.
 - Option 2: Early implementation of applicable AB 32 Scoping Plan measures.
 - Option 3, 2020 target for service populations (SP), which includes residents and employees: 4.8 MTCO₂e/SP/year for projects and 6.6 MTCO₂e/SP/year for plans;
 - Option 3, 2035 target: 3.0 MTCO₂e/SP/year for projects and 4.1 MTCO₂e/SP/year for plans
- Tier 5 involves mitigation offsets to achieve target significance threshold.

The SCAQMD's draft threshold uses the Executive Order S-3-05 goal as the basis for the Tier 3 screening level. Achieving the Executive Order's objective would contribute to worldwide efforts to cap carbon dioxide concentrations at 450 ppm, thus stabilizing global climate.

The County of Los Angeles adopted the *Unincorporated Los Angeles County Community Climate Action Plan 2020* (CCAP) in August of 2015. The CCAP sets a target to reduce GHG emissions in the unincorporated areas of Los Angeles County by at least 11 percent below 2010 levels by 2020, which is consistent with statewide reductions under AB 32. In order to achieve this target, the CCAP includes 26 local actions organized into five strategy areas. The five strategy areas include green building and energy; land use and transportation; water conservation and wastewater; waste reduction, reuse, and recycling; and land conservation and tree planting. The 26 local actions are to be implemented together as part of a comprehensive GHG emissions reduction program and include voluntary, incentive-based programs that will reduce emissions from both existing and new development in the County.

This project will compare project-generated GHG emissions to the SCAQMD screening threshold of 3,000 MTCO₂e per year for all land use types.

Table 6

SCAQMD Air Quality Significance Thresholds¹

Mass Daily Thresholds		
Pollutant	Construction (lbs/day)	Operation (lbs/day)
NOx	100	55
VOC	75	55
PM10	150	150
PM2.5	55	55
SOx	150	150
CO	550	550
Lead	3	3
Toxic Air Contaminants, Odor and GHG Thresholds		
TACs	Maximum Incremental Cancer Risk ≥ 10 in 1 million Cancer Burden > 0.5 excess cancer cases (in areas ≥ 1 in 1 million) Chronic & Acute Hazard Index > 1.0 (project increment)	
Odor	Project creates an odor nuisance pursuant to SCAQMD Rule 402	
GHG	10,000 MT/yr CO2e for industrial facilities	
Ambient Air Quality Standards		
Pollutant	SCAQMD Standards	
NO2 -1-hour average	0.18 ppm (338 µg/m^3)	
PM10 -24-hour average		
Construction	10.4 µg/m^3	
Operations	2.5 ug/m^3	
PM2.5 -24-hour average		
Construction	10.4 µg/m^3	
Operations	2.5 µg/m^3	
SO2		
1-hour average	0.25 ppm	
24-hour average	0.04 ppm	
CO		
1-hour average	20 ppm (23,000 µg/m^3)	
8-hour average	9 ppm (10,000 µg/m^3)	
Lead		
30-day average	1.5 µg/m^3	
Rolling 3-month average	0.15 µg/m^3	
Quarterly average	1.5 µg/m^3	

¹ Source: <http://www.aqmd.gov/ceqa/handbook/signthres.pdf>

VI. SHORT-TERM CONSTRUCTION IMPACTS

Construction activities associated with the proposed project would have the potential to generate air emissions, toxic air contaminant emissions, and odor impacts. Assumptions for the duration of the construction of the proposed project were obtained from the project applicant. The project is to be constructed on approximately 117 acres. Construction activities, include grading, building construction, paving, and architectural coating. Facilities would include picnic areas, scenic overlooks, running trails, equestrian trails, a dog park, slides, zip lines, climbing stairs, a bicycle skills area, bicycle rentals and restrooms. A visitor center would be located on the landfill access road. Open space within the park would be available for special single-day or multi-day events and performances during daytime hours. This analysis focuses on a) the final park concept ('project'), which includes everything mentioned above together with approximately 30,950 square feet of on-site buildings/structures and approximately 200 parking spaces throughout the site, and b) the recreate alternative (high-build alternative), which includes all the same features as the project together with an additional 9,300 square feet of on-site buildings (for a total of 40,250 square feet of on-site buildings) and 600 parking spaces. Construction is anticipated to occur no sooner than January 2017 and take approximately twenty years to complete.

A. Construction-Related Regional Impacts

The construction-related regional air quality impacts have been analyzed for both criteria pollutants and GHGs.

1. Construction-Related Criteria Pollutants Analysis

The following provides a discussion of the methodology used to calculate regional construction air emissions and an analysis of the proposed project's short-term construction emissions for the criteria pollutants.

Methodology

Typical emission rates from construction activities were obtained from CalEEMod Version 2013.2.2. CalEEMod is a computer model published by the SCAQMD for estimating air pollutant emissions. The CalEEMod program uses the EMFAC2011 computer program to calculate the emission rates specific for Los Angeles County for construction-related employee vehicle trips and the OFFROAD2011 computer program to calculate emission rates for heavy truck operations. EMFAC2011 and OFFROAD2011 are computer programs generated by CARB that calculates composite emission rates for vehicles. Emission rates are reported by the program in grams per trip and grams per mile or grams per running hour. Using CalEEMod, the peak daily air pollutant emissions during each phase was calculated and presented below. These emissions represent the highest level of emissions for each of the construction phases in terms of air pollutant emissions. The construction emissions printouts from CalEEMod are provided in Appendix B.

SCAQMD's Rule 403

The Project will be required to comply with existing SCAQMD rules for the reduction of fugitive dust emissions. SCAQMD Rule 403 establishes these procedures.

Compliance with this rule is achieved through application of standard best management practices in construction and operation activities, such as application of water or chemical stabilizers to disturbed soils, managing haul road dust by application of water, covering haul vehicles, restricting vehicle speeds on unpaved roads to 15 mph, sweeping loose dirt from paved site access roadways, cessation of construction activity when winds exceed 25 mph and establishing a permanent and stabilizing ground cover on finished sites. In addition, projects that disturb 50 acres or more of soil or move 5,000 cubic yards of materials per day are required to submit a Fugitive Dust Control Plan or a Large Operation Notification Form to SCAQMD. The project area footprint is approximately 117 acres; however, the project will be built out in stages over 20 years and would not disturb more than 5 acres a day; therefore, a Fugitive Dust Control Plan or Large Operation Notification would not be required.

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

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

Architectural Coating

Per SCAQMD Rule 1113 as amended on June 3, 2011, the architectural coatings applied after January 1, 2014 are limited to an average of 50 grams per liter or less and the CalEEMod model default VOC emissions have been adjusted accordingly.

Project Impacts

The construction-related criteria pollutant emissions for each phase are shown below in Table 7. Table 7 shows that none of the project's emissions will exceed regional thresholds. No mitigation is required. Construction-related impacts would be similar for both the project and the high build alternative. As the low-build alternative would include mainly passive uses, the construction-related impacts are likely to be slightly less. Therefore, a less than significant regional air quality impact would occur from construction of the proposed project.

B. Construction-Related Local Impacts

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

1. Local Air Quality Impacts from Construction

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

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

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

As shown in Table 8, the maximum number of acres disturbed in a day would be five (5) acres.

The local air quality emissions from construction were analyzed using the SCAQMD’s Mass Rate Localized Significant Threshold Look-up Tables and the methodology described in Localized Significance Threshold Methodology, prepared by SCAQMD, revised July 2008. The Look-up Tables were developed by the SCAQMD in order to readily determine if the daily emissions of CO, NOx, PM10, and PM2.5 from the proposed project could result in a significant impact to the local air quality. The emission thresholds were calculated based on the South San Gabriel Valley, source receptor area (SRA) 11 and a disturbance value of five acres per day. According to LST Methodology, any receptor located closer than 25 meters (82 feet) shall be based on the 25 meter thresholds. The nearest sensitive receptors lie approximately 345 meters from any construction area; therefore, the SCAQMD Look-up Tables for 200 meters was used. Table 9 details the on-site emissions from the CalEEMod model for the different construction phases and the SCAQMD LST emissions thresholds for 5 acres and a distance of 200 meters.

The data provided in Table 9 shows that none of the analyzed criteria pollutants would exceed the calculated local emissions thresholds at the nearest sensitive receptors. Therefore, a less than significant local air quality impact would occur from construction of the proposed project.

2. Construction-Related Toxic Air Contaminant Impacts

The greatest potential for toxic air contaminant emissions would be related to diesel particulate emissions associated with heavy equipment operations during

construction of the proposed project. According to SCAQMD methodology, health effects from carcinogenic air toxics are usually described in terms of “individual cancer risk”. “Individual Cancer Risk” is the likelihood that a person exposed to concentrations of toxic air contaminants over a 70 year lifetime will contract cancer, based on the use of standard risk-assessment methodology. Given the relatively limited number of heavy-duty construction equipment, the intermitted nature and phasing of the construction activities, the distance from the construction sources to the nearest receptors, and the relatively short-term construction schedule, the proposed project would not result in a long-term (i.e., 70 years) substantial source of toxic air contaminant emissions and corresponding individual cancer risk. Therefore, no significant short-term toxic air contaminant impacts are anticipated to occur during construction of the proposed project.

3. Construction-Related Odor Impacts

Potential sources that may emit odors during construction activities include the application of materials such as asphalt pavement. The objectionable odors that may be produced during the construction process are of short-term in nature and the odor emissions are expected to cease upon the drying or hardening of the odor producing materials. Due to the short-term nature and limited amounts of odor producing materials being utilized, no significant impact related to odors would occur during construction of the proposed project.

Table 7

Construction-Related Regional Pollutant Emissions¹

Activity	Pollutant Emissions (pounds/day)					
	VOC	NOx	CO	SO ₂	PM10	PM2.5
Site Prep						
On-Site ²	4.84	51.75	39.40	0.04	10.04	6.43
Off-Site ³	0.07	0.09	1.13	0.00	0.20	0.06
Total	4.91	51.84	40.53	0.04	10.25	6.49
Grading						
On-Site ²	5.29	59.53	42.31	0.06	5.23	3.87
Off-Site ³	0.07	0.09	1.14	0.00	0.23	0.06
Total	5.36	59.63	43.45	0.06	5.46	3.93
Building Construction						
On-Site ²	2.11	19.08	16.81	0.03	1.11	1.05
Off-Site ³	12.16	57.88	175.92	0.49	30.19	8.79
Total	14.27	76.97	192.73	0.52	31.30	9.83
Paving						
On-Site ²	1.38	6.98	15.52	0.03	0.32	0.32
Off-Site ³	0.02	0.03	0.41	0.00	0.17	0.05
Total	1.40	7.01	15.93	0.03	0.49	0.37
Architectural Coating						
On-Site ²	0.78	0.86	1.80	0.00	0.02	0.02
Off-Site ³	0.67	0.84	11.36	0.06	4.82	1.31
Total	1.45	1.70	13.16	0.07	4.84	1.33
Total of overlapping phases⁴	17.12	85.68	221.82	0.61	36.64	11.53
SCAQMD Thresholds	75	100	550	150	150	55
Exceeds Thresholds	no	no	no	no	no	no

¹ Source: CalEEMod Version 2013.2.2

² On-site emissions from equipment operated on-site that is not operated on public roads.

³ Off-site emissions from equipment operated on public roads.

⁴ Construction, architectural coatings and paving phases may overlap.

Table 8**Maximum Number of Acres Disturbed Per Day¹**

Activity	Equipment	Number	Acres/8hr-day	Total Acres
Site Prep	Rubber Tired Dozers	3	0.5	1.5
	Tractors/Loaders/Backhoes	4	0.5	2
Total per phase		-	-	3.5
Site Grading	Graders	1	0.5	0.5
	Rubber Tired Dozers	1	0.5	0.5
	Excavators	2	0.5	1
	Scrapers	2	1	2
	Tractors/Loaders/Backhoes	2	0.5	1
Total per phase		-	-	5

¹ Source: South Coast AQMD, Fact Sheet for Applying CalEEMod to Localized Significance Thresholds.

Table 9

Local Construction Emissions at the Nearest Receptors¹

Phase	On-Site Pollutant Emissions (pounds/day)			
	NOx	CO	PM10	PM2.5
Site Prep	51.75	39.40	10.04	6.43
Grading	59.53	42.31	5.23	3.87
Building Construction	19.08	16.81	1.11	1.05
Paving	6.98	15.52	0.32	0.32
Architectural Coating	0.86	1.80	0.02	0.02
SCAQMD Threshold for 25 meters (82 feet)²	202	4,024	91	34
Exceeds Threshold?	no	no	no	no

¹ Source: Calculated from CalEEMod and SCAQMD's Mass Rate Look-up Tables for five acres in South San Gabriel Valley Source Receptor Area (SRA 11) . Project will disturb a maximum of 5 acres per day (see Table 8).

² The nearest sensitive receptors lie approximately 345 meters from any construction work; therefore, the 200 meter threshold was used.

VII. LONG-TERM AIR QUALITY OPERATIONAL IMPACTS

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

A. Operations-Related Regional Air Quality Impacts

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

1. Operations-Related Criteria Pollutant Analysis

The operations-related criteria air quality impacts created by the proposed project and the high-build alternative have been analyzed through use of the CalEEMod model. The operating emissions were based on the year 2035, the anticipated opening year of the project. The operations daily emissions printouts from the CalEEMod model are provided in Appendix B. The CalEEMod analyzes operational emissions from area sources, energy usage, and mobile sources, which are discussed below.

Mobile Sources

Mobile sources include emissions from the additional vehicle miles generated from the proposed project. The vehicle trips associated with the proposed project were obtained from the traffic impact analysis (TIA) for the project and the high-build alternative. The project would generate 20 trips per acre and the high-build alternative would generate 23 trips per acre. Please see CalEEMod output comments sections in Appendix B for details.

Area Sources

Area sources include emissions from consumer products, landscape equipment and architectural coatings. Landscape maintenance includes fuel combustion emissions from equipment such as lawn mowers, rototillers, shredders/grinders, blowers, trimmers, chain saws, and hedge trimmers, as well as air compressors, generators, and pumps. As specifics were not known about the landscaping equipment fleet, CalEEMod defaults were used to estimate emissions from landscaping equipment.

Per SCAQMD Rule 1113 as amended on June 3, 2011, the architectural coatings that would be applied after January 1, 2014 will be limited to an average of 50 grams per liter or less and the CalEEMod model default VOC emissions have been adjusted accordingly. No other changes were made to the default area source parameters.

Energy Usage

Energy usage includes emissions from the generation of electricity and natural gas used on-site. The 2013 Title 24 commercial standards are at least 25 percent more efficient than the 2008 Title 24 commercial standards used as the default in CalEEMod. No other changes were made to the default energy usage parameters.

Project Impacts

The worst-case summer or winter VOC, NO_x, CO, SO₂, PM₁₀, and PM_{2.5} emissions created from both the proposed (Final Park Concept) project's and the Recreate Alternative (High-Build) long-term operations have been calculated and are summarized below in Table 10. Table 10 shows that neither the project nor the high-build alternative's emissions would exceed the SCAQMD regional emissions thresholds. Therefore, a less than significant regional air quality impact would occur from operation of either the proposed project or the high-build alternative and no mitigation measures are required. As the more intense project and alternative are less than significant, then the operational emissions from the less intense low-build ecology alternative would also be less than significant.

2. Cumulative Regional Air Quality Impacts

Cumulative projects include local development as well as general growth within the project area. However, as with most development, the greatest source of emissions is from mobile sources, which travel well out of the local area. Therefore, from an air quality standpoint, the cumulative analysis would extend beyond any local projects and when wind patterns are considered would cover an even larger area. Accordingly, the cumulative analysis for the project's air quality must be generic by nature.

The project area is out of attainment for both ozone and particulate matter (PM-10). Construction and operation of cumulative projects will further degrade the local air quality, as well as the air quality of the South Coast Air Basin. The greatest cumulative impact on the quality of regional air cell will be the incremental addition of pollutants mainly from increased traffic from residential, commercial, and industrial development and the use of heavy equipment and trucks associated with the construction of these projects. Air quality will be temporarily degraded during construction activities that occur separately or simultaneously. However, in accordance with the SCAQMD methodology, projects that do not exceed the SCAQMD criteria or can be mitigated to less than criteria levels are not significant and do not add to the overall cumulative impact. Therefore, with respect to long-term emissions, this project would not create a significant cumulative impact.

B. Operations-Related Local Air Quality Impacts

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

operations. The following analysis analyzes the vehicular CO emissions, local impacts from on-site operations, and odor impacts.

1. Local CO Emission Impacts from Project-Generated Vehicular Trips

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

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

The Traffic Analysis showed that the project would generate a maximum of 2,340 trips; the high-build alternative would generate 2,691 trips per day. The intersection with the highest traffic volume is located at Peck Road and the I-605 Freeway Southbound Ramps and has a high-build alternative - cumulative plus project PM peak hour volume of 1,315 vehicles. The 1992 Federal Attainment Plan for Carbon Monoxide (1992 CO Plan) showed that an intersection which has a daily traffic volume of approximately 100,000 vehicles per day would not violate the CO standard. Therefore as the intersection with the highest traffic volume falls far short of 100,000 vehicles, no CO “hot spot” modeling was performed and no significant long-term air quality impact is anticipated to local air quality with the on-going use of the proposed project.

2. Local Air Quality Impacts from On-Site Operations

Project-related air emissions from on-site sources such as architectural coatings, landscaping equipment, on-site usage of natural gas appliances as well as the operation of vehicles on-site may have the potential to exceed the State and Federal air quality standards in the project vicinity, even though these pollutant emissions may not be significant enough to create a regional impact to the Air Basin. The nearest sensitive receptors that may be impacted by the proposed project are the single-family detached residential dwelling units located directly east and southeast of the project boundary along Beech Hill Avenue; the single-family detached residential dwelling units located along Overcrest Drive approximately 0.6 miles southwest of the site, the Wildwood Mobile Country Club located north of the SR-60 Freeway, approximately 0.5 miles northwest of the project boundary; Rio Hondo College athletic fields located approximately 0.25 miles southwest of the site; and Orange Grove Middle School and Palm Elementary School located adjacent to, and 0.38 miles to, the eastern boundary of the site respectively.

According to SCAQMD LST methodology, LSTs would apply to the operational phase of a project, if the project includes stationary sources, or attracts mobile sources (such as heavy-duty trucks) that may spend long periods queuing and idling at the site; such as industrial warehouse/transfer facilities. The proposed project does not include such uses. Therefore, due the lack of stationary source emissions, no long-term localized significance threshold analysis is warranted.

3. Operations-Related Odor Impacts

The SCAQMD's role is to protect the public's health from air pollution by overseeing and enforcing regulations (SCAQMD 2007a). The SCAQMD's resolution activity for odor compliance is mandated under California Health & Safety Code Section 41700, and falls under SCAQMD Rule 402. This rule on Public Nuisance Regulation states: "A person shall not discharge from any source whatsoever such quantities of air contaminants or other material which cause injury, detriment, nuisance, or annoyance to any considerable number of persons or to the public, or which endanger the comfort, repose, health or safety of any such persons or the public, or which cause, or have a natural tendency to cause, injury or damage to business or property. The provisions of this rule shall not apply to odors emanating from agricultural operations necessary for the growing of crops or the raising of fowl or animals."

Land uses typically considered associated with odors include wastewater treatment facilities, waste-disposal facilities, or agricultural operations. The proposed project does not include one of these uses and would be required to conform to the odor requirements of SCAQMD Rule 402. Therefore, odor-related impacts are considered to be less than significant.

Table 10

Unmitigated Regional Operational Pollutant Emissions¹

Final Park Concept (Project)						
Activity	Pollutant Emissions (pounds/day)					
	VOC	NOx	CO	SO2	PM10	PM2.5
Area Sources ²	2.24	0.00	0.03	0.00	0.00	0.00
Energy Usage ³	0.00	0.00	0.00	0.00	0.00	0.00
Mobile Sources ⁴	4.46	11.41	50.95	0.23	14.44	4.07
Total Emissions	6.70	11.41	50.98	0.23	14.44	4.07
SCAQMD Thresholds	55	55	550	150	150	55
Exceeds Threshold?	no	no	no	no	no	no

Recreate Alternative (High-Build)						
Activity	Pollutant Emissions (pounds/day)					
	VOC	NOx	CO	SO2	PM10	PM2.5
Area Sources ²	2.39	0.00	0.07	0.00	0.00	0.00
Energy Usage ³	0.00	0.00	0.00	0.00	0.00	0.00
Mobile Sources ⁴	5.22	11.79	53.59	0.23	14.58	4.11
Total Emissions	7.61	11.79	53.67	0.23	14.58	4.11
SCAQMD Thresholds	55	55	550	150	150	55
Exceeds Threshold?	no	no	no	no	no	no

¹ Source: CalEEMod Version 2013.2.2

² Area sources consist of emissions from consumer products, architectural coatings, and landscaping equipment.

Emissions for consumer products = EF x building area. The default EF in CalEEMod for this area is 1.98×10^{-5} lbs/SF/day. Building area for the project is 30,950 SF. Therefore, $(1.98 \times 10^{-5} \text{ lbs/SF/day}) \times 30,950 \text{ SF} = 0.61281 \text{ lbs/day}$. Overall area sources (lbs/day) = $1.6233 + 0.61281 + 0.00293 = 2.24 \text{ lbs/day}$. Building area for the high build Alt is 40,250 SF. Therefore, $(1.98 \times 10^{-5} \text{ lbs/SF/day}) \times 40,250 \text{ SF} = 0.79695 \text{ lbs/day}$. Overall area sources (lbs/day) = $1.5839 + 0.79695 + 0.00661 = 2.39 \text{ bs/day}$.

³ Energy usage consists of emissions from on-site natural gas usage.

⁴ Mobile sources consist of emissions from vehicles and road dust.

VIII. DIESEL AND FLARE EMISSIONS HEALTH RISK ASSESSMENT

The proposed project (and its alternatives) are located on-site that is subject to TAC emissions from landfill gas (LFG) flares that operate when Puente Hills Gas-to Energy facility is offline (undergoing maintenance, etc.). The northern boundary of the project is located approximately 100 feet from the eastbound lanes of the SR-60 Freeway. The previous DEIR for the landfill (Solid Waste Management Department, Sanitation Districts of Los Angeles County, 2001) analyzed the both the impacts from the 24 LFG flares and impacts from freeway traffic to the site. The previous analysis found that background cancer risks for sensitive residential uses from SR-60 were approximately 432 in one million at a distance of 30 meters (98 feet) from the freeway; and that risks of 100 in one million were commonly seen within 0.5 miles of the freeway. The 2001 DEIR's findings of freeway-related carcinogenic risks are consistent with the findings of the current SCAQMD MATES IV study which shows that the ambient cancer risk for the project site ranges between 914.82 and 1,072.26 in one million. The majority of the site has an ambient risk of 951.26 in one million. This elevated risk is mainly due to the proximity of the SR-60 Freeway and I-605 Freeway.

According to SCAQMD methodology, health effects from carcinogenic air toxics are usually described in terms of individual cancer risk. "Individual Cancer Risk" is the likelihood that a person exposed to concentrations of toxic air contaminants over a 70-year lifetime will contract cancer, based on the use of standard risk-assessment methodology².

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

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

The ARB Air Quality and Land Use Handbook (ARB Handbook) provides an advisory recommendation to avoid the locating new sensitive land uses within 500 feet of a freeway, urban roads with 100,000 vehicles per day, or rural roads with 50,000 vehicles per day. Per Caltrans 2014 traffic data, the SR-60 Freeway is estimated to carry a total of 254,000 vehicles per day; 24,001 of those freeway vehicles (9.45 percent) are trucks. As stated above, the northernmost

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

project boundary is located approximately 100 feet from the SR-60 Freeway. The multi-use trail and two-way loop road encircles the periphery of the site; however, the main activity areas (performance space, picnic areas, exercise terrace, running loop, bike skills park etc.) are located over 0.5 miles from the freeway.

As the impacts to the site from freeway-related diesel sources were already determined in the 2001 DEIR for the landfill project, and freeway-related emissions are not anticipated to be much different from those already examined, no further analysis of freeway-related impacts is warranted. The ambient cancer risks and freeway-related cancer risks to future patrons of the park are anticipated to exceed the SCAQMD MCCR TAC threshold of 10 in one million. The remainder of this portion of the analysis will focus on characterizing the health risks to park patrons from the LFG flares located at the Gas-To-Energy facility located on the western portion of the site. The Gas-To-Energy Facility has been reporting its emissions to SCAQMD and been subject to SCAQMD permitting requirements (including compliance with Rules 1401, 1401.1 and 212) since year 2000. To determine the potential health risk from current flare-related emissions sources to the future patrons of the project site, a health risk estimate was performed.

A. Emission Inventory Development

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

1. Emission Source Estimates

Landfill gas is composed of a mixture of hundreds of different gases. By volume, landfill gas typically contains 45% to 60% methane and 40% to 60% carbon dioxide. Landfill gas also includes small amounts of nitrogen, oxygen, ammonia, sulfides, hydrogen, carbon monoxide, and nonmethane organic compounds (NMOCs) such as trichloroethylene, benzene, and vinyl chloride³. Emission rates from the flare sources were calculated based on the data reported annually to the SCAQMD by the Gas-To-Energy Facility. The latest year of emissions data available for the Gas-To-Energy facility is for year 2015. The TAC data was obtained for facility ID 25070, LA CNTY SANITATION DISTRICT - PUENTE HILLS⁴. The pollutants examined are listed in Table 11 together with the estimate of emissions from each of the 24 flares.

Emission Source Characterization

Each of the emission source types described above also requires geometrical and emission release specifications for use in the air dispersion model. Table 12 provides a summary of the assumptions used to configure the emission source. As the flares are burning off LFG which is mainly composed of methane and carbon dioxide, the net heating value of methane (2,729 J/g-mol) was used together with an average flow rate of 20 cubic feet per second to calculate the effective release height of 33.55 feet.

³ Source: <http://www.atsdr.cdc.gov/HAC/landfill/html/ch2.html>

⁴ http://www3.aqmd.gov/webappl/fim/prog/emission.aspx?fac_id=25070

Figure 3 provides the location of the receptors (shown by orange triangles) and emission source locations, shown by the red and blue dots.

B. Receptor Network

The assessment requires that a network of receptors be specified where the impacts can be computed at the various locations within the project. Receptors were located at locations of patron activities such as the trail lift (which passes closest to the flares), the hiking trails, overlook locations, the visitor center, zip line, stair climb and picnic areas. In addition, the identified sensitive receptors locations were supplemented by the specification of a modeling grid that extended around the proposed project to identify other potential locations of impact. The locations of the receptors are shown as orange triangles on Figure 3.

C. Dispersion Modeling

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

1. Model Selection

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

2. General Model Assumptions

A summary of Emission Configurations is shown in Table 12. The basic options used in the dispersion modeling are summarized in Table 13.

3. Meteorological Data

Meteorological data from the Air District's Pico Rivera monitoring site was selected for this modeling application. Five full years of sequential meteorological data was collected at the site from January 1, 2008 to December 31, 2012 by the SCAQMD. The SCAQMD processed the data for input to the model. The data was obtained at SCAQMD's <http://www.aqmd.gov/smog/metdata/AERMOD.html> (Figure 4 shows the Wind Rose for Pico Rivera).

D. Estimation of Health Risks

Health risks from TACs are twofold. First, TACs can be carcinogens according to the State of California. Second, long-term chronic exposure to TACs can cause health effects to the respiratory and other systems. As there are no residential dwelling units (permanent residents) being built on-site and the receptors that will be using the site will consist of visitors to the park that would not spend more than a few hours in any location, the 70-year estimates for cancer risk represent over-estimations of the risk to park patrons. Each of these health risks is discussed below. This analysis was performed to verify the findings from the previous health risk analysis for the 2001 DEIR for the Continued Operation of the Puente Hills Landfill (PHLF); therefore, a similar methodology and inputs were employed.

1. Cancer Risks

According to the in Health Risk Assessment for Proposed Land Use Projects, prepared by CAPCOA, July 2009, the cancer risk should be calculated using the following formula:

$$[\text{Dose-inh (mg/(Kg-day))}] * [\text{Oral Slope Factor (kg-day)/mg}] * [1 \times 10^6] = \text{Potential Cancer Risk}$$

Where:

Oral Slope Factor (based on unit risk factor [URF])= varies (see Table 14)

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

Where:

Cair [Concentration in air ($\mu\text{g}/\text{m}^3$)] = (Calculated by AERMOD Model)

DBR [Daily breathing rate (L/kg body weight – day)] = 302 for residential

A [Inhalation absorption factor] = 1

EF [Exposure frequency (days/year)] = 350

ED [Exposure duration (years)] = 70 for residential receptors

10^6 [Micrograms to milligrams conversion]

AT [Average time period over which exposure is averaged in days] = 25,550

The model run results are shown in Appendix D. Table 14 provides a summary of the modeled TAC emission concentrations at the nearest sensitive receptors for the residential exposure scenario. Table 14 shows that the highest cancer risk from flare-related emissions, which occur at the trail lift (labeled as receptor 1), has a maximum risk of 0.0862 in one million, and does not exceed a cancer risk of 10 in one million. This result is consistent with the findings of the 2001 DEIR for the Continued Operation of the Puente Hills Landfill (PHLF). The results of the 2001 analysis showed that the cancer risk to residential areas from all the landfill operational activities (including boilers, turbines, mobile construction-type equipment, landfill surface emissions etc.) did not exceed 1.16 in one million at nearby residential areas. The emissions from the 24 flares would have made up a very small portion of the overall emissions sources examined in the previous DEIR. As the landfill have been closed since October of 2013, many of the other sources of on-site emissions are no longer operational.

As stated previously, the SCAQMD MATES-IV study shows the site has an estimated cancer risk between 914.82 and 1,072.26 in one million from toxic air emissions. The majority of the site has an ambient risk of 951.26 in one million. This elevated risk is mainly due to the proximity of the SR-60 Freeway and I-605 Freeway. In comparison, the average cancer risk for Los Angeles County is 415 in one million. The previous analysis found that background cancer risks for sensitive residential uses from the SR-60 Freeway were approximately 432 in one million at a distance of 30 meters (98 feet) from the freeway; and that risks of 100 in one million were commonly seen within 0.5 miles of the freeway.

There currently is no SCAQMD TAC threshold for “existing” cancer risk to sensitive receptors. The SCAQMD TAC threshold of 10 in one million is defined as the “maximum incremental cancer risk.” As the project does not involve the construction of sources that would significantly contribute to “incremental cancer risk,” the application of the 10 in one million threshold is not well applied in this case. Other air quality districts have refined methodology and thresholds for evaluation of the health risks posed by heavily traveled roadways and freeways to adjacent receptors. For example, the Bay Area Air Quality Management District has a “Roadway Screening Analysis” procedure and thresholds based on annual average daily traffic (AADT) and distance from the source⁵. The San Luis Obispo Air Pollution Control District has a requirement that new land use projects that will place sensitive receptors (e.g., residential units) in close proximity to existing toxics sources (e.g., freeway) must not exceed the CEQA health risk threshold of 89 in 1 million.

While cancer risk at the project site due to freeway-related TAC’s may be higher than other areas in Los Angeles County that are located further from the SR-60 Freeway, the risk on the site from freeway-related DPM will be less than the majority of Los Angeles County. For example, the MATES-IV study shows that risks in south-central Los Angeles area and the Los Angeles/Long Beach Harbor area are 2 to 3 times greater than the majority of Los Angeles County. Even with future emission reductions, this ratio would not be expected to change substantially as these reductions would generally affect all areas equally. However, as the site is exposed to cancer-related health risks greater than 10 in 1 million, it is concluded that the project site is potentially significantly impacted by freeway-related TAC.

2. Non-Cancer Risks

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

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

Where,

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

⁵http://www.baaqmd.gov/~media/Files/Planning%20and%20Research/CEQA/BAAQMD%20CEQA%20Guidelines_Final_May%202012.ashx?la=en

CDPM = Annual average TAC concentration in $\mu\text{g}/\text{m}^3$.
RELDPM = Reference Exposure Level (REL) for the TAC; the TAC concentration at which no adverse health effects are anticipated. The REL varies depending on the TAC being analyzed. RELs for each compound analyzed can be found in Table 14.

The chronic non-carcinogenic hazards to park receptors are also detailed in Table 14 column (k) and the acute non-carcinogenic hazards to park receptors can be found in column (o).

The criterion for significance is a Hazard Index increase of 1.0 or greater. Therefore, the exposure of receptors to the on-going operations of Gas-To-Energy facility flares would result in a less than significant impact. The previous DEIR for the Continued Operation of the PHLF showed that the total chronic non-cancer hazard index was 0.0133 and the total acute non-cancer hazard index was 0.0143; both of which are less than significant.

Table 11**Emissions Factors¹**

Pollutant Type	Annual Emissions (lbs/year)	Annual Emissions (lbs/hour)	Emissions per Flare (lbs/hour) ²
1,3-butadiene	1.472	0.00017	7.00E-06
Ammonia	4.19	0.00048	1.99E-05
Benzene	231.903	0.02647	1.10E-03
Cadmium	0.002	0.00000	9.51E-09
Ethylene dichloride	15.623	0.00178	7.43E-05
Formaldehyde	2.494	0.00028	1.19E-05
lead	0.011	0.00000	5.23E-08
methyl chloroform	0.115	0.00001	5.47E-07
methylene chloride	20.11	0.00230	9.57E-05
Naphthalene	0.028	0.00000	1.33E-07
Nickel	0.005	0.00000	2.38E-08
PAHs	0.052	0.00001	2.47E-07
Perchloroethylene	93.472	0.01067	4.45E-04
Trichloroethylene	17.415	0.00199	8.28E-05
trichlorofluoromethane	12.762	0.00146	6.07E-05
Vinyl Chloride	7.455	0.00085	3.55E-05

¹ Source: Facility Information Detail (FIND) for Facility ID 25070 LA County Sanitation District - Puente Hills for year 2015

If pollutant is not listed, it means that annual emissions were 0.00 pounds per year.

² Annual emissions (lbs/hr) divided by 24 to yield emissions per flare (24 flares total).

Table 12

Summary of Emissions Configurations¹

Emission Source Name	Source Type	Relevant Assumptions
Flares (24)	Flare	· Base Elevation: AERMAP
		· Source Height: 32 feet flare (effective release height of 33.551 feet)*
		· Stack diameter: 8.3 feet
		· Exhaust flow (acfm): 45,210
		· Exhaust Temp (deg F): 1500
Offsite Train Traffic	Line Sources	· Plume height: 3 meters
		· Vehicle speed: 50 mph, power notch 7
		· Length of the line source (UPRR rail segment north of project)
		· Vehicle types: Passenger trains and freight trains
		09-025, April 2009.

¹ Details on input parameters obtained from Continued Operation of the Puente Hills Landfill DEIR (2001).

Table 13

General Modeling Assumptions - AERMOD Model

Feature	Option Selected
Terrain processing	AERMAP
Emission source configuration	See Table 12
Regulatory dispersion options	Default
Land use	Urban, LA County
Coordinate system	UTM
Receptor height	0 meters above ground
Meteorological data	Pico Rivera Met Data

Table 14

MEIR - Receptor Exposure Scenario (70-year)

Maximally Exposed Receptor ID (a)	Maximum Annual Concentration		Weight Fraction (d)	Contaminant (e)	Carcinogenic Risk			Chronic Noncarcinogenic Hazards			1-hour Maximum Concentration	Acute Noncarcinogenic Hazards		
	(ug/m3) (b)	(mg/m3) (c)			URF	CPF	RISK	REL	RfD	Index (k)		REL	RfD	Index (o)
					(ug/m3) (f)	(mg/kg/day) (g)	(h)	(ug/m3) (i)	(mg/kg/day) (j)		(ug/m3) (l)	(ug/m3) (m)	(mg/kg/day) (n)	
1, 3 (1-hr)	0.00001	1.0E-08	1.00E+00	1,3-butadiene	1.7E-04	6.0E-01	0.00	2.0E+00	5.7E-04	0.0000	0.0003	6.6E+02	1.9E-01	0.0000
1, 3 (1-hr)	0.00004	4.0E-08	1.00E+00	Ammonia	0.0E+00	0.0E+00	0.00	2.0E+02	5.7E-02	0.0000	0.0009	3.2E+03	9.1E-01	0.0000
1, 3 (1-hr)	0.00225	2.3E-06	1.00E+00	Benzene	2.9E-05	1.0E-01	0.07	3.0E+00	8.6E-04	0.0008	0.0468	2.7E+01	7.7E-03	0.0017
1, 3 (1-hr)	0.00015	1.5E-07	1.00E+00	Ethylene dichloride	2.1E-05	7.4E-02	0.00	4.0E+02	1.1E-01	0.0000	0.0032	--	0.0E+00	0.0000
1, 3 (1-hr)	0.00002	2.0E-08	1.00E+00	Formaldehyde	6.0E-06	2.1E-02	0.00	9.0E+00	2.6E-03	0.0000	0.0005	5.5E+01	1.6E-02	0.0000
1, 3 (1-hr)	0.00019	1.9E-07	1.00E+00	Methylene chloride	1.0E-06	3.5E-03	0.00	4.0E+02	1.1E-01	0.0000	0.0041	1.4E+04	4.0E+00	0.0000
1, 3 (1-hr)	0.00091	9.1E-07	1.00E+00	Perchloroethylene	5.9E-06	2.1E-02	0.01	3.5E+01	1.0E-02	0.0000	0.0189	2.0E+04	5.7E+00	0.0000
1, 3 (1-hr)	0.00017	1.7E-07	1.00E+00	Trichloroethylene	2.0E-06	7.0E-03	0.00	6.0E+02	1.7E-01	0.0000	0.0035	--	0.0E+00	0.0000
1, 3 (1-hr)	0.00012	1.2E-07	1.00E+00	Trichlorofluoromethane	0.0E+00	0.0E+00	0.00	--	0.0E+00	0.0000	0.0026	--	0.0E+00	0.0000
1, 3 (1-hr)	0.00007	7.0E-08	1.00E+00	Vinyl Chloride	7.8E-05	2.7E-01	0.01	--	0.0E+00	0.0000	0.0015	1.8E+05	5.1E+01	0.0000
					Total Cancer Risk		0.0862	Total Chronic Hazard		0.0008		Total Acute Hazard		0.0017

Note: Exposure factors used to calculate TAC intake

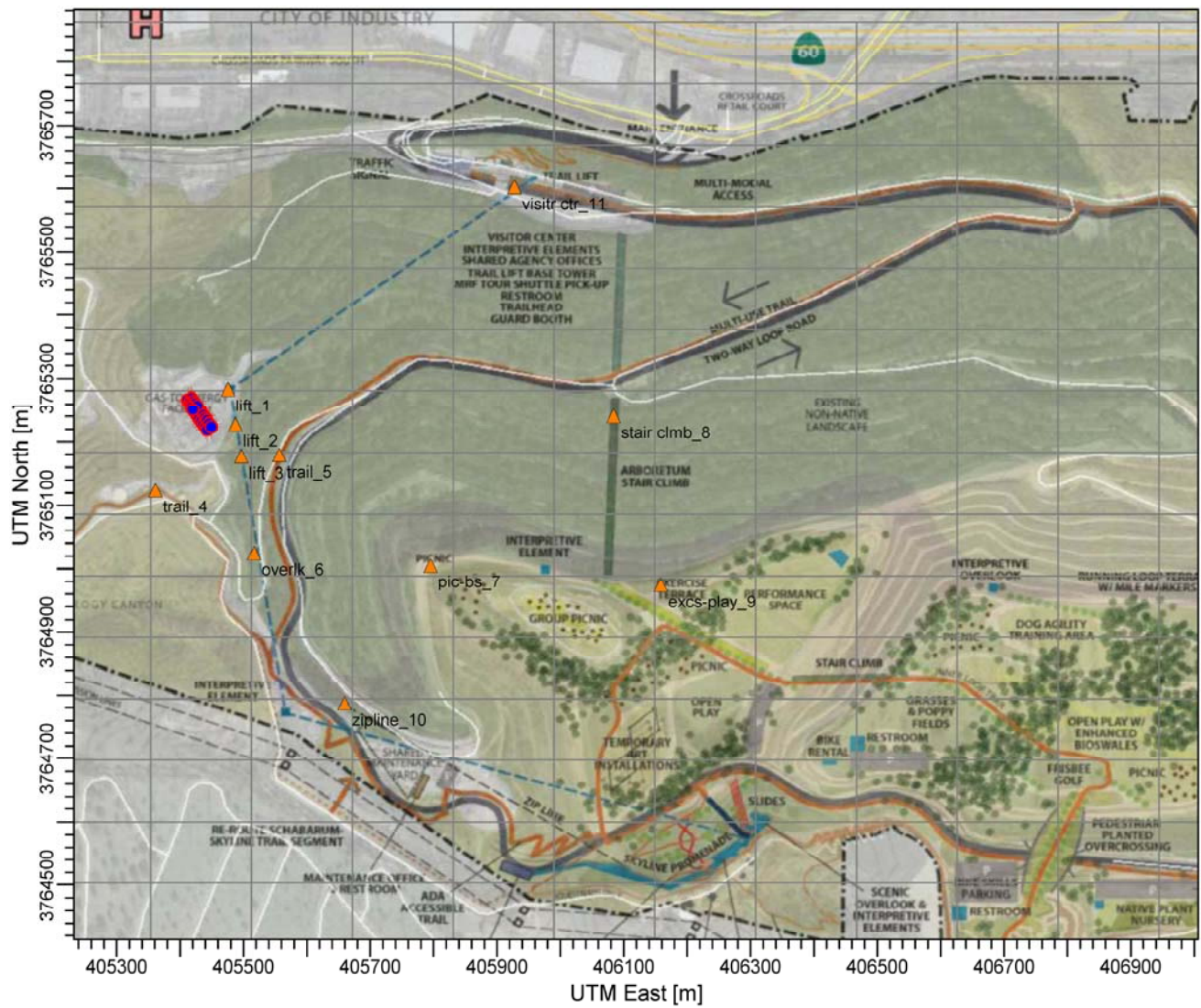
Exposure Frequency (days/year)	365
Exposure Duration (years)	70
Inhalation Rate (m3/day)*	21.14
Average Body Weight (kg)	70
Averaging Time _(cancer) (days)	25550
Averaging Time _(non-cancer) (days)	25550

*Inhalation Rate of 21.14 m3/day equates to the ARB breathing 302 liters per kilogram-day

E= 10^x, i.e. E-02 = 10⁻²

-- = no data available

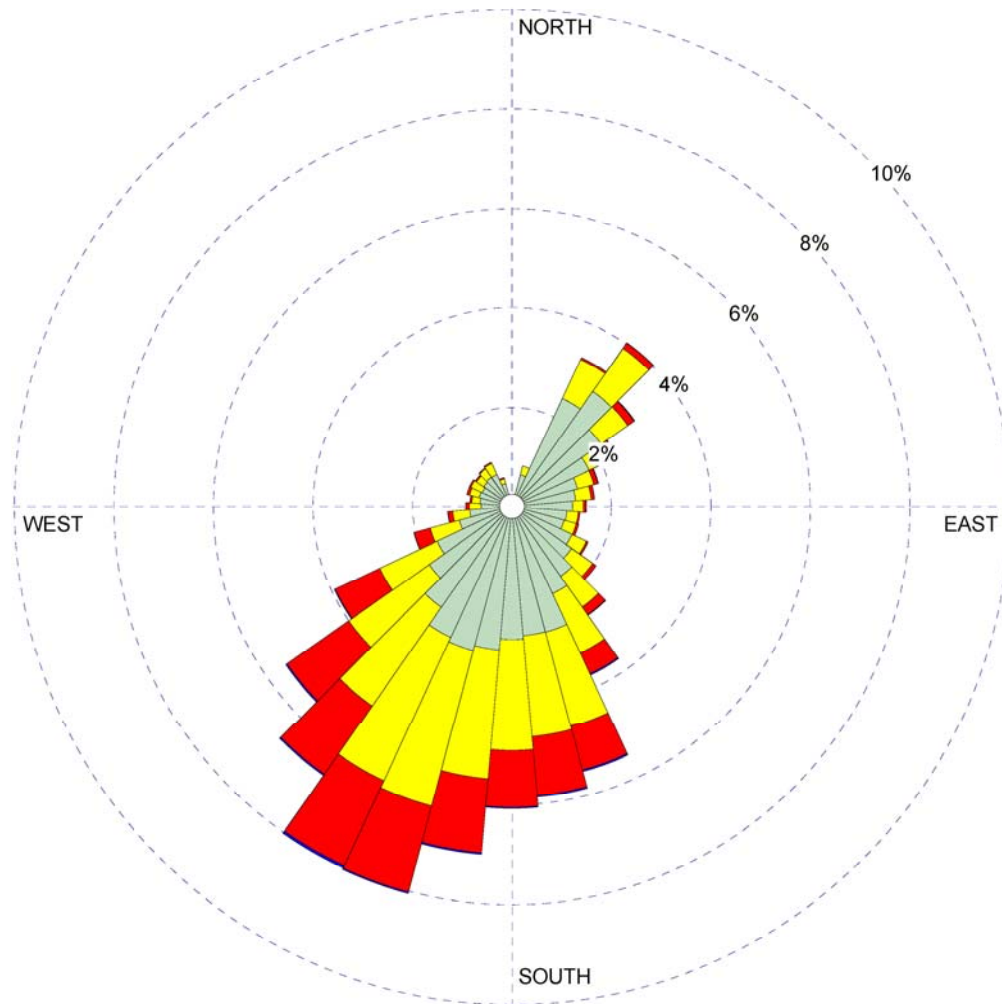
Figure 3
AERMOD Model Source and Receptor Placement



Legend

▲ = Receptor Location

Figure 4
WindRose: Pico Rivera



Legend

WIND SPEED
(Knots)

	■	≥ 21.58
	■	17.11 - 21.58
	■	11.08 - 17.11
	■	7.00 - 11.08
	■	4.08 - 7.00
	■	0.97 - 4.08
		Calms: 0.03%

IX. GLOBAL CLIMATE CHANGE ANALYSIS

The proposed project is anticipated to generate GHG emissions from area sources, energy usage, mobile sources, waste, water, and construction equipment. The following provides the methodology used to calculate the project-related GHG emissions, the project impacts and a consistency analysis of the proposed project with any applicable GHG reduction plans, policies or regulations.

A. Methodology

The CalEEMod Version 2013.2.2 was used to calculate the GHG emissions from the proposed project. The project's emissions were compared to the SCAQMD draft threshold of 3,000 metric tons CO₂e per year.

Each source of GHG emissions is described in greater detail below.

1. Area Sources

Area sources include emissions from consumer products, landscape equipment and architectural coatings. Area sources were analyzed in the manner described in Section VII above. Per SCAQMD Rule 1113 as amended on June 3, 2011, the architectural coatings applied after January 1, 2014 are limited to an average of 50 grams per liter or less and the CalEEMod model default VOC emissions have been adjusted accordingly. No other changes were made to the default area source emissions.

2. Energy Usage

Energy usage includes emissions from the generation of electricity and natural gas used on-site. The 2013 Title 24 commercial standards are at least 25 percent more efficient than the 2008 Title 24 residential standards (the default in CalEEMod). No other changes were made to the default energy usage parameters.

3. Mobile Sources

Mobile sources include emissions from the additional vehicle miles generated from the proposed project. The vehicle trips associated with the proposed project have been analyzed by inputting the project-generated vehicular trips from the Traffic Impact Analysis into the CalEEMod Model. Please see CalEEMod output comments sections in Appendix C for details. Mobile sources were analyzed in the manner described in Section VII above.

4. Waste

Waste includes the GHG emissions generated from the processing of waste from the proposed project as well as the GHG emissions from the waste once it is interred into a landfill. As per AB 939 each jurisdiction in California is required to divert at least 50

percent of its waste away from landfills (75 percent by 2020). No other changes were made to the CalEEMod default waste generated parameters.

5. Water

Water includes the water used for the interior of the building as well as for landscaping and is based on the GHG emissions associated with the energy used to transport and filter the water. As per Green Building Standards, a 20 percent reduction in indoor water used was applied. No other changes were made to the CalEEMod default water generated parameters.

6. Construction

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

B. Project Greenhouse Gas Emissions

The GHG emissions have been calculated based on the parameters described above. A summary of the results are shown below in Table 15 and the CalEEMod Model runs are provided in Appendix C. Table 15 shows that the proposed project (Final Park Concept) would generate unmitigated emissions of 5,123.58 MTCO₂e per year and the recreate alternative (High Build) would generate unmitigated emissions of 5,448.13 MTCO₂e per year. The majority of emissions are sourced from construction of the project and from mobile sources from the patrons frequenting the park. According to the thresholds of significance established above in Section V, a cumulative global climate change impact would potentially occur if the GHG emissions created from the on-going operations would exceed the SCAQMD draft screening threshold of 3,000 metric tons of CO₂e per year for greenhouse gas emissions for all uses. Therefore, mitigation is required.

Year 2020 mitigated project-related emissions are shown in Table 17 and still exceed 3,000 metric tons of CO₂e per year for both the project and the high-build alternative. There are no feasible mitigation measures that would effectively reduce emissions from mobile and construction sources to less than significant levels (please see Section XI, Mitigation Measures for mitigation applied to the project and the high-build alternative). Therefore, impacts from GHGs are considered to be significant and unavoidable for both the project and the high-build alternative. The low-build alternative is expected to have similar GHG emissions-related impacts from construction and mobile sources and would likely also exceed the SCAQMD 3,000 metric tons of CO₂e per year screening threshold.

The project is also subject to the requirements of the California Green Building Standards Code. On January 12, 2010, the State Building Standards Commission unanimously adopted updates to the California Green Building Standards Code, which went into effect on January 1, 2011. The Code is a comprehensive and uniform regulatory code for all residential, commercial and school buildings.

The California Green Building Standards Code does not prevent a local jurisdiction from adopting a more stringent code as state law provides methods for local enhancements. The Code recognizes that many jurisdictions have developed existing construction and demolition ordinances, and defers to them as the ruling guidance provided they provide a minimum 50-percent diversion requirement. The code also provides exemptions for areas not served by construction and demolition recycling infrastructure. State building code provides the minimum standard that buildings need to meet in order to be certified for occupancy. Enforcement is generally through the local building official.

The California Green Building Standards Code (code section in parentheses) requires:

- Water Efficiency and Conservation [Indoor Water Use (4.303.1)]. Fixtures and fixture fittings reducing the overall use of potable water within the building by at least 20 percent shall be provided. The 20 percent reduction shall be demonstrated by one of the following methods:
 - Prescriptive Method: Showerheads (≤ 2.0 gpm @ 80 psi); Residential Lavatory Faucets (≤ 1.5 gpm @ 60 psi); Nonresidential Lavatory Faucets ($\leq .4$ gpm @ 60 psi); Kitchen Faucets (≤ 1.8 gpm @ 60 psi); Toilets (≤ 1.28 gal/flush); and urinals (≤ 0.5 gal/flush).
 - Performance Method: Provide a calculation demonstrating a 20% reduction of indoor potable water using the baseline values set forth in Table 4.303.1. The calculation will be limited to the total water usage of showerheads, lavatory faucets, water closets and urinals within the dwelling.
- Water Efficiency and Conservation [Outdoor Water Use (4.304.1)]. Irrigation Controllers. Automatic irrigation system controllers for landscaping provided by the builder and installed at the time of final inspection shall comply with the following:
 - Controllers shall be weather- or soil moisture-based controllers that automatically adjust irrigation in response to changes in plants' watering needs as weather or soil conditions change.
 - Weather-based controllers without integral rain sensors or communication systems that account for rainfall shall have a separate wired or wireless rain sensor which connects or communicates with the controller(s).
- Construction Waste Reduction of at least 50 percent (4.408.1). Recycle and/or salvage for reuse a minimum of 50 percent of the nonhazardous construction and demolition waste in accordance with either Section 4.408.2, 4.408.3 or 4.408.4; OR meet a more stringent local construction and demolition waste management ordinance. Documentation is required per Section 4.408.5. Exceptions:
 - Excavated soil and land-clearing debris.
 - Alternate waste reduction methods developed by working with local enforcing agencies if diversion or recycle facilities capable of compliance

with this item do not exist or are not located reasonably close to the job-site.

- o The enforcing agency may make exceptions to the requirements of this section when jobsites are located in areas beyond the haul boundaries of the diversion facility.
- Materials pollution control (4.504.1 – 4.504.6). Low-pollutant emitting interior finish materials such as paints, carpet, vinyl flooring and particleboard.
- Installer and Special Inspector Qualifications (702.1-702.2). Mandatory special installer inspector qualifications for installation and inspection of energy systems (e.g., heat furnace, air conditioner, mechanical equipment).

C. Greenhouse Gas Plan Consistency

As stated previously, the County of Los Angeles adopted the Unincorporated Los Angeles County Community Climate Action Plan 2020 (CCAP) in August of 2015. The CCAP includes a GHG reduction target of at least 11 percent below 2010 levels by 2020, consistent with AB 32. The CCAP also identifies 26 local actions as part of a comprehensive GHG emissions reduction program to reduce emissions from both existing and new development within the County.

Year 2010 unmitigated emissions for both the project and the high-build alternative are shown in Table 16. Year 2020 mitigated emissions for both the project and the high-build alternative are shown in Table 17. As shown in Table 17, the project's year 2020 mitigated emissions provide a reduction of 17 percent from year 2010 baseline project emissions and the year 2020 mitigated emissions for the high-build alternative provide a reduction of 18 percent from year 2010 baseline alternative emissions (please see Section XI, Mitigation Measures for mitigation applied to the project and the high-build alternative). Therefore, with incorporation of mitigation, the project meets the requirements of the CCAP, and the project would not conflict with any applicable plan, policy or regulation of an agency adopted for the purpose of reducing the emissions of greenhouse gases.

Table 15

Opening Year (2035) Unmitigated Project-Related Greenhouse Gas Emissions¹

Final Park Concept (Project)						
Category	Greenhouse Gas Emissions (Metric Tons/Year)					
	Bio-CO ₂	NonBio-CO ₂	CO ₂	CH ₄	N ₂ O	CO ₂ e
Area Sources ²	0.00	0.01	0.01	0.00	0.00	0.01
Energy Usage ³	0.00	20.15	20.15	0.00	0.00	20.23
Mobile Sources ⁴	0.00	2,602.07	2,602.07	0.07	0.00	2,603.53
Solid Waste ⁵	2.01	0.00	2.01	0.12	0.00	4.51
Water ⁶	0.00	436.39	436.39	0.02	0.00	438.10
Construction ⁷	0.00	2,055.26	2,055.26	0.09	0.00	2,057.21
Total Emissions	2.01	5,113.87	5,115.88	0.30	0.00	5,123.58
SCAQMD Draft Screening Threshold						3,000
Exceeds Threshold?						Yes

Recreate Alternative (High-Build)						
Category	Greenhouse Gas Emissions (Metric Tons/Year)					
	Bio-CO ₂	NonBio-CO ₂	CO ₂	CH ₄	N ₂ O	CO ₂ e
Area Sources ²	0.00	0.02	0.02	0.00	0.00	0.02
Energy Usage ³	0.00	60.44	60.44	0.00	0.00	60.68
Mobile Sources ⁴	0.00	2,898.86	2,898.86	0.08	0.00	2,900.49
Solid Waste ⁵	1.95	0.00	1.95	0.12	0.00	4.37
Water ⁶	0.00	422.75	422.75	0.02	0.00	424.41
Construction ⁷	0.00	2,056.22	2,056.22	0.09	0.00	2,058.17
Total Emissions	1.95	5,438.29	5,440.24	0.31	0.00	5,448.13
SCAQMD Draft Screening Threshold						3,000
Exceeds Threshold?						Yes

¹ Source: CalEEMod Version 2013.2.2

² Area sources consist of GHG emissions from consumer products, architectural coatings, and landscape equipment.

³ Energy usage consist of GHG emissions from electricity and natural gas usage.

⁴ Mobile sources consist of GHG emissions from vehicles.

⁵ Solid waste includes the CO₂ and CH₄ emissions created from the solid waste placed in landfills.

⁶ Water includes GHG emissions from electricity used for transport of water and processing of wastewater.

⁷ Construction GHG emissions based on a 30 year amortization rate.

Table 16

Baseline (2010) Project-Related Greenhouse Gas Emissions¹

Final Park Concept (Project)						
Category	Greenhouse Gas Emissions (Metric Tons/Year)					
	Bio-CO ₂	NonBio-CO ₂	CO ₂	CH ₄	N ₂ O	CO ₂ e
Area Sources ²	0.00	0.01	0.01	0.00	0.00	0.01
Energy Usage ³	0.00	20.15	20.15	0.00	0.01	20.23
Mobile Sources ⁴	0.00	3,337.55	3,337.55	0.22	0.00	3,342.16
Solid Waste ⁵	2.01	0.00	2.01	0.12	0.00	4.51
Water ⁶	0.00	436.39	436.39	0.02	0.00	438.10
Construction ⁷	0.00	2,055.26	2,055.26	0.09	0.00	2,057.21
Total Emissions	2.01	5,849.36	5,851.37	0.45	0.01	5,862.21

Recreate Alternative (High-Build)						
Category	Greenhouse Gas Emissions (Metric Tons/Year)					
	Bio-CO ₂	NonBio-CO ₂	CO ₂	CH ₄	N ₂ O	CO ₂ e
Area Sources ²	0.00	0.02	0.02	0.00	0.00	0.02
Energy Usage ³	0.00	60.44	60.44	0.00	0.01	60.68
Mobile Sources ⁴	0.00	3,718.24	3,718.24	0.24	0.00	3,723.38
Solid Waste ⁵	1.95	0.00	1.95	0.12	0.00	4.37
Water ⁶	0.00	422.75	422.75	0.02	0.00	424.41
Construction ⁷	0.00	2,056.22	2,056.22	0.09	0.00	2,058.17
Total Emissions	1.95	6,257.67	6,259.62	0.47	0.01	6,271.02

¹ Source: CalEEMod Version 2013.2.2 year 2010 unmitigated emissions

² Area sources consist of GHG emissions from consumer products, architectural coatings, and landscape equipment.

³ Energy usage consist of GHG emissions from electricity and natural gas usage.

⁴ Mobile sources consist of GHG emissions from vehicles.

⁵ Solid waste includes the CO₂ and CH₄ emissions created from the solid waste placed in landfills.

⁶ Water includes GHG emissions from electricity used for transport of water and processing of wastewater.

⁷ Construction GHG emissions based on a 30 year amortization rate.

Table 17

Year 2020 Mitigated Project-Related Greenhouse Gas Emissions¹

Final Park Concept (Project)						
Category	Greenhouse Gas Emissions (Metric Tons/Year)					
	Bio-CO ₂	NonBio-CO ₂	CO ₂	CH ₄	N ₂ O	CO ₂ e
Area Sources ²	0.00	0.01	0.01	0.00	0.00	0.01
Energy Usage ³	0.00	20.15	20.15	0.00	0.01	20.23
Mobile Sources ⁴	0.00	2,432.10	2,432.10	0.09	0.00	2,434.03
Solid Waste ⁵	0.50	0.00	0.50	0.03	0.00	1.13
Water ⁶	0.00	349.11	349.11	0.02	0.00	350.48
Construction ⁷	0.00	2,055.26	2,055.26	0.09	0.00	2,057.21
Total Emissions	0.50	4,856.63	4,857.13	0.23	0.01	4,863.07
Percent Reduction Requirement from LA County GHG CAP						11%
Project's Percent reduction from Baseline						17%
Meets Reduction Requirement?						Yes

Recreate Alternative (High-Build)						
Category	Greenhouse Gas Emissions (Metric Tons/Year)					
	Bio-CO ₂	NonBio-CO ₂	CO ₂	CH ₄	N ₂ O	CO ₂ e
Area Sources ²	0.00	0.02	0.02	0.00	0.00	0.02
Energy Usage ³	0.00	60.44	60.44	0.00	0.00	60.68
Mobile Sources ⁴	0.00	2,709.51	2,709.51	0.10	0.00	2,711.66
Solid Waste ⁵	0.49	0.00	0.49	0.03	0.00	1.09
Water ⁶	0.00	338.20	338.20	0.02	0.00	339.52
Construction ⁷	0.00	2,056.22	2,056.22	0.09	0.00	2,058.17
Total Emissions	0.49	5,164.39	5,164.88	0.24	0.00	5,171.14
Percent Reduction Requirement from LA County GHG CAP						11%
Project's Percent reduction from Baseline						18%
Meets Reduction Requirement?						Yes

¹ Source: CalEEMod Version 2013.2.2 year 2020 Mitigated emissions

² Area sources consist of GHG emissions from consumer products, architectural coatings, and landscape equipment.

³ Energy usage consist of GHG emissions from electricity and natural gas usage.

⁴ Mobile sources consist of GHG emissions from vehicles.

⁵ Solid waste includes the CO₂ and CH₄ emissions created from the solid waste placed in landfills.

⁶ Water includes GHG emissions from electricity used for transport of water and processing of wastewater.

⁷ Construction GHG emissions based on a 30 year amortization rate.

X. AIR QUALITY COMPLIANCE

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

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

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

- (1) Whether the project will result in an increase in the frequency or severity of existing air quality violations or cause or contribute to new violations, or delay timely attainment of air quality standards or the interim emission reductions specified in the AQMP.
- (2) Whether the project will exceed the assumptions in the AQMP in 2012 or increments based on the year of project buildout and phase.

Both of these criteria are evaluated in the following sections.

A. Criterion 1 - Increase in the Frequency or Severity of Violations

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

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

B. Criterion 2 - Exceed Assumptions in the AQMP?

Consistency with the AQMP assumptions is determined by performing an analysis of the proposed project with the assumptions in the AQMP. The emphasis of this criterion is to insure that the analyses conducted for the proposed project are based on the same

forecasts as the AQMP. The 2012-2035 Regional Transportation/Sustainable Communities Strategy, prepared by SCAG, 2012, consists of three sections: Core Chapters, Ancillary Chapters, and Bridge Chapters. The Growth Management, Regional Mobility, Air Quality, Water Quality, and Hazardous Waste Management chapters constitute the Core Chapters of the document. These chapters currently respond directly to federal and state requirements placed on SCAG. Local governments are required to use these as the basis of their plans for purposes of consistency with applicable regional plans under CEQA. For this project, the County of Los Angeles General Plan defines the assumptions that are represented in the AQMP.

The landfill is designated Public and Semi-Public in the County's General Plan Land Use Element. The eastern half of the landfill is located within the Hacienda Heights Community Plan and is designated as Open Space Parks and Recreation (OS-PR). The western half of the landfill is located within the Workman Mill Zoned District and is zoned Heavy Agricultural (A-2-5) with a small portion zoned Light Agricultural (A-1-5). The eastern half of the landfill is located within the Hacienda Heights Zoned District and is zoned Open Space (O-S). The front entry of the landfill is located within the City of Industry. This area is designated as Employment on the City of Industry General Plan Land Use Map. As the project proposes a park which is a public use and includes passive and active open space uses, the project is consistent with the land use designations in the General Plan. Therefore, the proposed project would not exceed the AQMP assumptions for the project site and would be consistent with the AQMP for the second criterion.

Based on the above, the proposed project will not result in an inconsistency with the SCAQMD AQMP. Therefore, a less than significant impact will occur.

XI. MITIGATION MEASURES

A. Construction Measures

The project is required to comply with SCAQMD Rule 403 - Fugitive Dust. No construction mitigation is required.

B. Operational Measures

Mitigation Measure 1. The project applicant shall provide trails/sidewalks within the project boundary that will connect to roads leading off-site.

Mitigation Measure 2. The project applicant shall require that all building structures meet or exceed 2013 Title 24, Part 6 Standards and meet Green Building Code Standards.

Mitigation Measure 3. The project applicant shall require that all faucets, toilets and showers installed in the proposed structures utilize low-flow fixtures that would reduce indoor water demand by 20% per CalGreen Standards.

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

Mitigation Measure 5. The project applicant shall require recycling programs that reduce waste to landfills by a minimum of 50 percent (up to 75% by 2020 per AB 341).

XII. REFERENCES

California Air Pollution Control Officers Association

2009 Health Risk Assessments for Proposed Land Use Projects

California Air Resources Board

2008 Resolution 08-43

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

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

2011 Supplement to the AB 32 Scoping Plan Functional Equivalent Document

2016 Historical Air Quality, Top 4 Summary

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

County of Los Angeles

2001 Continued Operation of the Puente Hills Landfill Volume 1: Draft Environmental Impact Report (SCN 2000041066). Solid Waster Management Department, Sanitation Districts of Los Angeles County. Appendix D.

2015 Unincorporated Los Angeles County Community Climate Action Plan 2020. August.

2015 Los Angeles County General Plan 2035. October 6.

Fehr and Peers

2016 Transportation Analysis Report, Puente Hills Landfill Park Master Plan. April.

Governor's Office of Planning and Research

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

2009 CEQA Guideline Sections to be Added or Amended

Office of Environmental Health Hazard Assessment

2003 Air Toxics Hot Spots Program Risk Assessment Guidelines

South Coast Air Quality Management District

1993 CEQA Air Quality Handbook

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

2005	Rule 403 Fugitive Dust
2007	2007 Air Quality Management Plan
2008	Final Localized Significance Threshold Methodology, Revised
2011	Appendix A Calculation Details for CalEEMod
2012	Final 2012 Air Quality Management Plan
2015	Final MATES-IV Multiple Air Toxics Exposure Study in the South Coast Air Basin. May.

Southern California Association of Governments

2012	2012-2035 Regional Transportation Plan/Sustainable Communities Strategy

APPENDICES

Appendix A – Glossary of Terms

Appendix B – CalEEMod Model Daily Emissions Printouts

Appendix C – CalEEMod Model Annual Emissions Printouts

Appendix D – AERMOD Printouts

APPENDIX A

Glossary of Terms

AQMP	Air Quality Management Plan
BACT	Best Available Control Technologies
CAAQS	California Ambient Air Quality Standards
CalEPA	California Environmental Protection Agency
CARB	California Air Resources Board
CCAA	California Clean Air Act
CCAR	California Climate Action Registry
CEQA	California Environmental Quality Act
CFCs	Chlorofluorocarbons
CH ₄	Methane
CNG	Compressed natural gas
CO	Carbon monoxide
CO ₂	Carbon dioxide
CO ₂ e	Carbon dioxide equivalent
DPM	Diesel particulate matter
EPA	U.S. Environmental Protection Agency
GHG	Greenhouse gas
GWP	Global warming potential
HIDPM	Hazard Index Diesel Particulate Matter
HFCs	Hydrofluorocarbons
IPCC	International Panel on Climate Change
LCFS	Low Carbon Fuel Standard
LST	Localized Significant Thresholds
MTCO ₂ e	Metric tons of carbon dioxide equivalent
MMTCO ₂ e	Million metric tons of carbon dioxide equivalent
MPO	Metropolitan Planning Organization
NAAQS	National Ambient Air Quality Standards
NO _x	Nitrogen Oxides
NO ₂	Nitrogen dioxide
N ₂ O	Nitrous oxide
O ₃	Ozone
OPR	Governor's Office of Planning and Research
PFCs	Perfluorocarbons
PM	Particle matter
PM ₁₀	Particles that are less than 10 micrometers in diameter
PM _{2.5}	Particles that are less than 2.5 micrometers in diameter
PMI	Point of maximum impact
PPM	Parts per million
PPB	Parts per billion
ROG	Reactive organic gases
RTIP	Regional Transportation Improvement Plan
RTP	Regional Transportation Plan
SANBAG	San Bernardino Association of Governments
SCAB	South Coast Air Basin

SCAG	Southern California Association of Governments
SCAQMD	South Coast Air Quality Management District
SF ₆	Sulfur hexafluoride
SIP	State Implementation Plan
SO _x	Sulfur Oxides
TAC	Toxic air contaminants
VOC	Volatile organic compounds
WRCOG	Western Riverside Council of Governments

APPENDIX B

CalEEMod Model Daily Emissions Printouts

JN 6351a Puente Hills Landfill Park
Los Angeles-South Coast County, Summer

1.0 Project Characteristics

1.1 Land Usage

Land Uses	Size	Metric	Lot Acreage	Floor Surface Area	Population
Parking Lot	200.00	Space	1.80	80,000.00	0
City Park	115.20	Acre	115.20	5,018,112.00	0

1.2 Other Project Characteristics

Urbanization	Urban	Wind Speed (m/s)	2.2	Precipitation Freq (Days)	33
Climate Zone	9			Operational Year	2035
Utility Company	Southern California Edison				
CO2 Intensity (lb/MWhr)	630.89	CH4 Intensity (lb/MWhr)	0.029	N2O Intensity (lb/MWhr)	0.006

1.3 User Entered Comments & Non-Default Data

Project Characteristics -

Land Use - Designated as 117-acre "regional park" in the TIA. 200 parking spaces total.

Construction Phase - Construction starts no earlier than 2017. Full buildout in 2035.

Grading - Site is 117 acres of improvements

Architectural Coating - SCAQMD Rule 1113 limits paints to 50g/L VOC. Approx 30,950 SF of onsite buildings/structures to be painted only; 46,425 SF interior; 15,475 SF exterior.

Vehicle Trips - Trip gen rate from TIA. 20 trips per acre.

Area Coating - SCAQMD Rule 1113 limits paints to 50g/L VOC. Approx 30,950SF of onsite buildings/structures to be painted only; 46,425 SF interior, 15,475 SF exterior.

Construction Off-road Equipment Mitigation -

Mobile Land Use Mitigation - Paths and trails onsite, connecting off-site. Bus stop 0.6 miles from park entrance.

Area Mitigation - SCAQMD Rule 1113 limits paints to 50g/L VOC.

Water Mitigation - Drought-tolerant plants used in landscaping. 20% reduction in water use per CalGreen requirements.

Waste Mitigation - Recycling 75% per AB 341

Table Name	Column Name	Default Value	New Value
tblArchitecturalCoating	ConstArea_Nonresidential_Exterior	2,510,256.00	15,475.00
tblArchitecturalCoating	ConstArea_Nonresidential_Interior	7,530,768.00	46,425.00
tblArchitecturalCoating	EF_Nonresidential_Exterior	250.00	50.00
tblArchitecturalCoating	EF_Nonresidential_Interior	250.00	50.00
tblAreaCoating	Area_EF_Nonresidential_Exterior	250	50
tblAreaCoating	Area_Nonresidential_Interior	7530765	46425
tblAreaMitigation	UseLowVOCPaintNonresidentialInteriorValue	250	50
tblConstructionPhase	NumDays	3,100.00	3,300.00
tblConstructionPhase	NumDays	310.00	500.00
tblConstructionPhase	NumDays	120.00	200.00
tblConstructionPhase	PhaseEndDate	9/6/2019	9/4/2020
tblConstructionPhase	PhaseStartDate	10/7/2017	10/7/2018
tblGrading	AcresOfGrading	1,250.00	117.00
tblGrading	AcresOfGrading	0.00	117.00
tblProjectCharacteristics	OperationalYear	2014	2035
tblVehicleTrips	ST_TR	1.59	20.00
tblVehicleTrips	SU_TR	1.59	20.00
tblVehicleTrips	WD_TR	1.59	20.00

2.0 Emissions Summary

2.1 Overall Construction (Maximum Daily Emission)

Unmitigated Construction

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Year	lb/day										lb/day					
2017	4.9102	51.8447	40.5284	0.0417	18.8879	2.7560	21.6439	10.0510	2.5356	12.5866	0.0000	4,216.0309	4,216.0309	1.2377	0.0000	4,242.0219
2018	5.3616	59.6258	43.4490	0.0646	6.4938	2.7900	9.2838	3.3963	2.5668	5.9631	0.0000	6,440.7513	6,440.7513	1.9456	0.0000	6,481.6093
2019	4.9574	54.2822	41.3377	0.0646	6.4938	2.5068	9.0006	3.3963	2.3063	5.7026	0.0000	6,330.3282	6,330.3282	1.9443	0.0000	6,371.1583
2020	14.2678	76.9688	192.7312	0.5190	29.1497	2.2638	31.2987	7.8319	2.0827	9.8331	0.0000	42,110.1163	42,110.1163	1.9435	0.0000	42,150.9296
2021	13.5054	67.2745	184.0697	0.5194	29.1498	1.9159	31.0657	7.8319	1.7835	9.6154	0.0000	41,745.6983	41,745.6983	1.7800	0.0000	41,783.0785
2022	12.8640	61.0951	176.2041	0.5192	29.1499	1.7574	30.9074	7.8320	1.6352	9.4672	0.0000	41,364.7985	41,364.7985	1.7338	0.0000	41,401.2076
2023	12.0243	51.6802	167.9061	0.5183	29.1500	1.6381	30.7881	7.8320	1.5233	9.3552	0.0000	40,947.7313	40,947.7313	1.6766	0.0000	40,982.9392
2024	11.5689	50.1909	162.1881	0.5208	29.1500	1.5545	30.7046	7.8320	1.4444	9.2764	0.0000	40,829.3877	40,829.3877	1.6493	0.0000	40,864.0239
2025	11.1395	48.6836	157.1256	0.5208	29.1502	1.4728	30.6229	7.8320	1.3675	9.1995	0.0000	40,556.3554	40,556.3554	1.6163	0.0000	40,590.2980
2026	10.7625	47.5030	152.4551	0.5207	29.1502	1.4424	30.5926	7.8320	1.3395	9.1715	0.0000	40,311.7427	40,311.7427	1.5860	0.0000	40,345.0489
2027	10.5025	47.0084	148.7202	0.5207	29.1504	1.4447	30.5951	7.8321	1.3416	9.1737	0.0000	40,101.7331	40,101.7331	1.5623	0.0000	40,134.5417
2028	10.2487	46.4976	145.4130	0.5207	29.1507	1.4405	30.5912	7.8322	1.3378	9.1700	0.0000	39,919.6329	39,919.6329	1.5406	0.0000	39,951.9851
2029	10.0007	46.1221	142.0554	0.5207	29.1508	1.4417	30.5925	7.8322	1.3388	9.1711	0.0000	39,761.6225	39,761.6225	1.5198	0.0000	39,793.5375
2030	9.7047	41.2828	139.2629	0.5246	29.1509	1.0651	30.2160	7.8323	0.9933	8.8256	0.0000	39,963.9326	39,963.9326	1.0184	0.0000	39,985.3189
2031	9.5003	40.9833	136.7802	0.5253	29.1507	1.0621	30.2128	7.8322	0.9906	8.8227	0.0000	39,894.1265	39,894.1265	1.0035	0.0000	39,915.1998
2032	9.2784	40.7076	134.5993	0.5253	29.1506	1.0626	30.2132	7.8321	0.9910	8.8231	0.0000	39,795.4529	39,795.4529	0.9870	0.0000	39,816.1800
2033	9.0885	40.4512	132.7928	0.5253	29.1505	1.0630	30.2135	7.8320	0.9914	8.8234	0.0000	39,712.5695	39,712.5695	0.9727	0.0000	39,732.9971
2034	1.4512	7.0096	15.9174	0.0656	4.7840	0.3248	4.8446	1.2688	0.3247	1.3264	0.0000	4,230.4099	4,230.4099	0.1571	0.0000	4,233.7092

	ROG	NOx	CO	SO2	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					
2035	1.4134	1.5814	12.8985	0.0656	4.7840	0.0500	4.8341	1.2688	0.0471	1.3159	0.0000	4,218.712 0	4,218.712 0	0.1538	0.0000	4,221.942 8
Total	172.5501	880.7927	2,326.434 6	7.6027	449.5480	29.0523	478.2212	129.0299	26.9409	155.6222	0.0000	592,451.1 324	592,451.1 324	26.0283	0.0000	592,997.7 269

2.1 Overall Construction (Maximum Daily Emission)

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					
2017	4.9102	51.8447	40.5284	0.0417	7.4890	2.7560	10.2450	3.9525	2.5356	6.4880	0.0000	4,216.030 9	4,216.030 9	1.2377	0.0000	4,242.021 9
2018	5.3616	59.6258	43.4490	0.0646	2.6690	2.7900	5.4589	1.3607	2.5668	3.9275	0.0000	6,440.751 3	6,440.751 3	1.9456	0.0000	6,481.609 3
2019	4.9574	54.2822	41.3377	0.0646	2.6690	2.5068	5.1758	1.3607	2.3063	3.6670	0.0000	6,330.328 2	6,330.328 2	1.9443	0.0000	6,371.158 3
2020	14.2678	76.9688	192.7312	0.5190	29.1497	2.2638	31.2987	7.8319	2.0827	9.8331	0.0000	42,110.11 63	42,110.11 63	1.9435	0.0000	42,150.92 96
2021	13.5054	67.2745	184.0697	0.5194	29.1498	1.9159	31.0657	7.8319	1.7835	9.6154	0.0000	41,745.69 83	41,745.69 83	1.7800	0.0000	41,783.07 85
2022	12.8640	61.0951	176.2041	0.5192	29.1499	1.7574	30.9074	7.8320	1.6352	9.4672	0.0000	41,364.79 85	41,364.79 85	1.7338	0.0000	41,401.20 75
2023	12.0243	51.6802	167.9061	0.5183	29.1500	1.6381	30.7881	7.8320	1.5233	9.3552	0.0000	40,947.73 13	40,947.73 13	1.6766	0.0000	40,982.93 91
2024	11.5689	50.1909	162.1881	0.5208	29.1500	1.5545	30.7046	7.8320	1.4444	9.2764	0.0000	40,829.38 77	40,829.38 77	1.6493	0.0000	40,864.02 39
2025	11.1395	48.6836	157.1256	0.5208	29.1502	1.4728	30.6229	7.8320	1.3675	9.1995	0.0000	40,556.35 54	40,556.35 54	1.6163	0.0000	40,590.29 80
2026	10.7625	47.5030	152.4551	0.5207	29.1502	1.4424	30.5926	7.8320	1.3395	9.1715	0.0000	40,311.74 27	40,311.74 27	1.5860	0.0000	40,345.04 89
2027	10.5025	47.0084	148.7202	0.5207	29.1504	1.4447	30.5951	7.8321	1.3416	9.1737	0.0000	40,101.73 31	40,101.73 31	1.5623	0.0000	40,134.54 17

	ROG	NOx	CO	SO2	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					
2028	10.2487	46.4976	145.4130	0.5207	29.1507	1.4405	30.5912	7.8322	1.3378	9.1700	0.0000	39,919.63 29	39,919.63 29	1.5406	0.0000	39,951.98 51
2029	10.0007	46.1221	142.0554	0.5207	29.1508	1.4417	30.5925	7.8322	1.3388	9.1711	0.0000	39,761.62 25	39,761.62 25	1.5198	0.0000	39,793.53 75
2030	9.7047	41.2828	139.2629	0.5246	29.1509	1.0651	30.2160	7.8323	0.9933	8.8256	0.0000	39,963.93 26	39,963.93 26	1.0184	0.0000	39,985.31 89
2031	9.5003	40.9833	136.7802	0.5253	29.1507	1.0621	30.2128	7.8322	0.9906	8.8227	0.0000	39,894.12 65	39,894.12 65	1.0035	0.0000	39,915.19 98
2032	9.2784	40.7076	134.5993	0.5253	29.1506	1.0626	30.2132	7.8321	0.9910	8.8231	0.0000	39,795.45 29	39,795.45 29	0.9870	0.0000	39,816.18 00
2033	9.0885	40.4512	132.7928	0.5253	29.1505	1.0630	30.2135	7.8320	0.9914	8.8234	0.0000	39,712.56 95	39,712.56 95	0.9727	0.0000	39,732.99 71
2034	1.4512	7.0096	15.9174	0.0656	4.7840	0.3248	4.8446	1.2688	0.3247	1.3264	0.0000	4,230.409 9	4,230.409 9	0.1571	0.0000	4,233.709 2
2035	1.4134	1.5814	12.8985	0.0656	4.7840	0.0500	4.8341	1.2688	0.0471	1.3159	0.0000	4,218.712 0	4,218.712 0	0.1538	0.0000	4,221.942 8
Total	172.5501	880.7927	2,326.434 6	7.6027	430.4994	29.0523	459.1727	118.8602	26.9409	145.4525	0.0000	592,451.1 324	592,451.1 324	26.0283	0.0000	592,997.7 269

	ROG	NOx	CO	SO2	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	4.24	0.00	3.98	7.88	0.00	6.53	0.00	0.00	0.00	0.00	0.00	0.00

2.2 Overall Operational

Unmitigated Operational

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Area	102.6868	2.9000e-004	0.0320	0.0000		1.1000e-004	1.1000e-004		1.1000e-004	1.1000e-004		0.0690	0.0690	1.8000e-004		0.0727
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	4.4630	10.9254	49.0589	0.2265	14.1254	0.3142	14.4396	3.7817	0.2900	4.0716		16,236.5274	16,236.5274	0.4220		16,245.3901
Total	107.1498	10.9257	49.0909	0.2265	14.1254	0.3143	14.4397	3.7817	0.2901	4.0718		16,236.5963	16,236.5963	0.4222	0.0000	16,245.4628

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	102.5689	2.9000e-004	0.0320	0.0000		1.1000e-004	1.1000e-004		1.1000e-004	1.1000e-004		0.0690	0.0690	1.8000e-004		0.0727
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	4.3298	10.1452	45.9218	0.2059	12.7986	0.2871	13.0857	3.4265	0.2649	3.6914		14,757.1769	14,757.1769	0.3850		14,765.2621
Total	106.8987	10.1455	45.9538	0.2059	12.7986	0.2872	13.0858	3.4265	0.2651	3.6915		14,757.2459	14,757.2459	0.3852	0.0000	14,765.3348

	ROG	NOx	CO	SO2	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	0.23	7.14	6.39	9.12	9.39	8.62	9.38	9.39	8.62	9.34	0.00	9.11	9.11	8.77	0.00	9.11

3.0 Construction Detail

Construction Phase

Phase Number	Phase Name	Phase Type	Start Date	End Date	Num Days Week	Num Days	Phase Description
1	Site Preparation	Site Preparation	1/1/2017	10/6/2017	5	200	
2	Grading	Grading	10/7/2018	9/4/2020	5	500	
3	Building Construction	Building Construction	9/5/2020	4/29/2033	5	3300	
4	Paving	Paving	4/30/2033	3/3/2034	5	220	
5	Architectural Coating	Architectural Coating	3/4/2034	1/5/2035	5	220	

Acres of Grading (Site Preparation Phase): 117

Acres of Grading (Grading Phase): 117

Acres of Paving: 0

Residential Indoor: 0; Residential Outdoor: 0; Non-Residential Indoor: 46,425; Non-Residential Outdoor: 15,475 (Architectural Coating – sqft)

OffRoad Equipment

Phase Name	Offroad Equipment Type	Amount	Usage Hours	Horse Power	Load Factor
Site Preparation	Rubber Tired Dozers	3	8.00	255	0.40
Site Preparation	Tractors/Loaders/Backhoes	4	8.00	97	0.37
Grading	Excavators	2	8.00	162	0.38
Grading	Graders	1	8.00	174	0.41
Grading	Rubber Tired Dozers	1	8.00	255	0.40
Grading	Scrapers	2	8.00	361	0.48
Grading	Tractors/Loaders/Backhoes	2	8.00	97	0.37
Building Construction	Cranes	1	7.00	226	0.29
Building Construction	Forklifts	3	8.00	89	0.20
Building Construction	Generator Sets	1	8.00	84	0.74
Building Construction	Tractors/Loaders/Backhoes	3	7.00	97	0.37
Building Construction	Welders	1	8.00	46	0.45
Paving	Pavers	2	8.00	125	0.42
Paving	Paving Equipment	2	8.00	130	0.36
Paving	Rollers	2	8.00	80	0.38
Architectural Coating	Air Compressors	1	6.00	78	0.48

Trips and VMT

Phase Name	Offroad Equipment Count	Worker Trip Number	Vendor Trip Number	Hauling Trip Number	Worker Trip Length	Vendor Trip Length	Hauling Trip Length	Worker Vehicle Class	Vendor Vehicle Class	Hauling Vehicle Class
Site Preparation	7	18.00	0.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Grading	8	20.00	0.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Building Construction	9	2,141.00	836.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Paving	6	15.00	0.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Architectural Coating	1	428.00	0.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT

3.1 Mitigation Measures Construction

Water Exposed Area

Reduce Vehicle Speed on Unpaved Roads

3.2 Site Preparation - 2017**Unmitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					18.6867	0.0000	18.6867	9.9977	0.0000	9.9977			0.0000			0.0000
Off-Road	4.8382	51.7535	39.3970	0.0391		2.7542	2.7542		2.5339	2.5339		4,003.0859	4,003.0859	1.2265		4,028.8432
Total	4.8382	51.7535	39.3970	0.0391	18.6867	2.7542	21.4409	9.9977	2.5339	12.5316		4,003.0859	4,003.0859	1.2265		4,028.8432

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	0.0720	0.0913	1.1313	2.6200e-003	0.2012	1.8200e-003	0.2030	0.0534	1.6800e-003	0.0550		212.9450	212.9450	0.0111		213.1787
Total	0.0720	0.0913	1.1313	2.6200e-003	0.2012	1.8200e-003	0.2030	0.0534	1.6800e-003	0.0550		212.9450	212.9450	0.0111		213.1787

3.2 Site Preparation - 2017**Mitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					7.2878	0.0000	7.2878	3.8991	0.0000	3.8991			0.0000			0.0000
Off-Road	4.8382	51.7535	39.3970	0.0391		2.7542	2.7542		2.5339	2.5339	0.0000	4,003.0859	4,003.0859	1.2265		4,028.8432
Total	4.8382	51.7535	39.3970	0.0391	7.2878	2.7542	10.0420	3.8991	2.5339	6.4330	0.0000	4,003.0859	4,003.0859	1.2265		4,028.8432

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	0.0720	0.0913	1.1313	2.6200e-003	0.2012	1.8200e-003	0.2030	0.0534	1.6800e-003	0.0550		212.9450	212.9450	0.0111		213.1787
Total	0.0720	0.0913	1.1313	2.6200e-003	0.2012	1.8200e-003	0.2030	0.0534	1.6800e-003	0.0550		212.9450	212.9450	0.0111		213.1787

3.3 Grading - 2018**Unmitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					6.2702	0.0000	6.2702	3.3370	0.0000	3.3370			0.0000			0.0000
Off-Road	5.2895	59.5338	42.3068	0.0617		2.7880	2.7880		2.5650	2.5650		6,212.804 2	6,212.804 2	1.9341		6,253.420 9
Total	5.2895	59.5338	42.3068	0.0617	6.2702	2.7880	9.0583	3.3370	2.5650	5.9020		6,212.804 2	6,212.804 2	1.9341		6,253.420 9

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0721	0.0920	1.1422	2.9100e-003	0.2236	1.9600e-003	0.2255	0.0593	1.8100e-003	0.0611		227.9472	227.9472	0.0115		228.1884
Total	0.0721	0.0920	1.1422	2.9100e-003	0.2236	1.9600e-003	0.2255	0.0593	1.8100e-003	0.0611		227.9472	227.9472	0.0115		228.1884

3.3 Grading - 2018**Mitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					2.4454	0.0000	2.4454	1.3014	0.0000	1.3014			0.0000			0.0000
Off-Road	5.2895	59.5338	42.3068	0.0617		2.7880	2.7880		2.5650	2.5650	0.0000	6,212.804 1	6,212.804 1	1.9341		6,253.420 9
Total	5.2895	59.5338	42.3068	0.0617	2.4454	2.7880	5.2334	1.3014	2.5650	3.8664	0.0000	6,212.804 1	6,212.804 1	1.9341		6,253.420 9

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0721	0.0920	1.1422	2.9100e-003	0.2236	1.9600e-003	0.2255	0.0593	1.8100e-003	0.0611		227.9472	227.9472	0.0115		228.1884
Total	0.0721	0.0920	1.1422	2.9100e-003	0.2236	1.9600e-003	0.2255	0.0593	1.8100e-003	0.0611		227.9472	227.9472	0.0115		228.1884

3.3 Grading - 2019**Unmitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					6.2702	0.0000	6.2702	3.3370	0.0000	3.3370			0.0000			0.0000
Off-Road	4.8912	54.1978	40.2888	0.0617		2.5049	2.5049		2.3045	2.3045		6,111.312 1	6,111.312 1	1.9336		6,151.916 7
Total	4.8912	54.1978	40.2888	0.0617	6.2702	2.5049	8.7752	3.3370	2.3045	5.6416		6,111.312 1	6,111.312 1	1.9336		6,151.916 7

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	0.0662	0.0844	1.0489	2.8900e-003	0.2236	1.9100e-003	0.2255	0.0593	1.7700e-003	0.0611		219.0161	219.0161	0.0107		219.2416
Total	0.0662	0.0844	1.0489	2.8900e-003	0.2236	1.9100e-003	0.2255	0.0593	1.7700e-003	0.0611		219.0161	219.0161	0.0107		219.2416

3.3 Grading - 2019**Mitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					2.4454	0.0000	2.4454	1.3014	0.0000	1.3014			0.0000			0.0000
Off-Road	4.8912	54.1978	40.2888	0.0617		2.5049	2.5049		2.3045	2.3045	0.0000	6,111.312 1	6,111.312 1	1.9336		6,151.916 7
Total	4.8912	54.1978	40.2888	0.0617	2.4454	2.5049	4.9503	1.3014	2.3045	3.6060	0.0000	6,111.312 1	6,111.312 1	1.9336		6,151.916 7

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	0.0662	0.0844	1.0489	2.8900e-003	0.2236	1.9100e-003	0.2255	0.0593	1.7700e-003	0.0611		219.0161	219.0161	0.0107		219.2416
Total	0.0662	0.0844	1.0489	2.8900e-003	0.2236	1.9100e-003	0.2255	0.0593	1.7700e-003	0.0611		219.0161	219.0161	0.0107		219.2416

3.3 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					6.2702	0.0000	6.2702	3.3370	0.0000	3.3370			0.0000			0.0000
Off-Road	4.5501	49.3839	38.4257	0.0617		2.2619	2.2619		2.0810	2.0810		5,977.708 8	5,977.708 8	1.9333		6,018.308 4
Total	4.5501	49.3839	38.4257	0.0617	6.2702	2.2619	8.5322	3.3370	2.0810	5.4180		5,977.708 8	5,977.708 8	1.9333		6,018.308 4

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0621	0.0782	0.9776	2.8900e-003	0.2236	1.8900e-003	0.2255	0.0593	1.7600e-003	0.0610		210.2239	210.2239	0.0102		210.4376
Total	0.0621	0.0782	0.9776	2.8900e-003	0.2236	1.8900e-003	0.2255	0.0593	1.7600e-003	0.0610		210.2239	210.2239	0.0102		210.4376

3.3 Grading - 2020**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					2.4454	0.0000	2.4454	1.3014	0.0000	1.3014			0.0000			0.0000
Off-Road	4.5501	49.3839	38.4257	0.0617		2.2619	2.2619		2.0810	2.0810	0.0000	5,977.7088	5,977.7088	1.9333		6,018.3084
Total	4.5501	49.3839	38.4257	0.0617	2.4454	2.2619	4.7073	1.3014	2.0810	3.3824	0.0000	5,977.7088	5,977.7088	1.9333		6,018.3084

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	0.0621	0.0782	0.9776	2.8900e-003	0.2236	1.8900e-003	0.2255	0.0593	1.7600e-003	0.0610		210.2239	210.2239	0.0102		210.4376
Total	0.0621	0.0782	0.9776	2.8900e-003	0.2236	1.8900e-003	0.2255	0.0593	1.7600e-003	0.0610		210.2239	210.2239	0.0102		210.4376

3.4 Building Construction - 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					
Off-Road	2.1113	19.0839	16.8084	0.0268		1.1128	1.1128		1.0465	1.0465		2,542.4799	2,542.4799	0.6194		2,555.4880
Total	2.1113	19.0839	16.8084	0.0268		1.1128	1.1128		1.0465	1.0465		2,542.4799	2,542.4799	0.6194		2,555.4880

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	5.5088	49.5100	71.2711	0.1823	5.2184	0.8335	6.0519	1.4852	0.7668	2.2520		17,063.1639	17,063.1639	0.1245		17,065.7793
Worker	6.6478	8.3748	104.6517	0.3099	23.9313	0.2026	24.1340	6.3467	0.1879	6.5346		22,504.4725	22,504.4725	1.0894		22,527.3494
Total	12.1566	57.8848	175.9228	0.4922	29.1497	1.0361	30.1858	7.8319	0.9547	8.7866		39,567.6364	39,567.6364	1.2139		39,593.1287

3.4 Building Construction - 2020

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	2.1113	19.0839	16.8084	0.0268		1.1128	1.1128		1.0465	1.0465	0.0000	2,542.4799	2,542.4799	0.6194		2,555.4880
Total	2.1113	19.0839	16.8084	0.0268		1.1128	1.1128		1.0465	1.0465	0.0000	2,542.4799	2,542.4799	0.6194		2,555.4880

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	5.5088	49.5100	71.2711	0.1823	5.2184	0.8335	6.0519	1.4852	0.7668	2.2520		17,063.1639	17,063.1639	0.1245		17,065.7793
Worker	6.6478	8.3748	104.6517	0.3099	23.9313	0.2026	24.1340	6.3467	0.1879	6.5346		22,504.4725	22,504.4725	1.0894		22,527.3494
Total	12.1566	57.8848	175.9228	0.4922	29.1497	1.0361	30.1858	7.8319	0.9547	8.7866		39,567.6364	39,567.6364	1.2139		39,593.1287

3.4 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	1.8931	17.3403	16.5376	0.0268		0.9549	0.9549		0.8979	0.8979		2,542.7817	2,542.7817	0.6126		2,555.6462
Total	1.8931	17.3403	16.5376	0.0268		0.9549	0.9549		0.8979	0.8979		2,542.7817	2,542.7817	0.6126		2,555.6462

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	5.3246	42.1142	69.2240	0.1821	5.2185	0.7590	5.9775	1.4852	0.6983	2.1835		17,050.1092	17,050.1092	0.1254		17,052.7416
Worker	6.2877	7.8200	98.3080	0.3105	23.9313	0.2020	24.1333	6.3467	0.1873	6.5340		22,152.8073	22,152.8073	1.0421		22,174.6908
Total	11.6123	49.9342	167.5320	0.4926	29.1498	0.9610	30.1108	7.8319	0.8856	8.7176		39,202.9165	39,202.9165	1.1674		39,227.4324

3.4 Building Construction - 2021**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	1.8931	17.3403	16.5376	0.0268		0.9549	0.9549		0.8979	0.8979	0.0000	2,542.781 7	2,542.781 7	0.6126		2,555.646 2
Total	1.8931	17.3403	16.5376	0.0268		0.9549	0.9549		0.8979	0.8979	0.0000	2,542.781 7	2,542.781 7	0.6126		2,555.646 2

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	5.3246	42.1142	69.2240	0.1821	5.2185	0.7590	5.9775	1.4852	0.6983	2.1835		17,050.10 92	17,050.10 92	0.1254		17,052.74 16
Worker	6.2877	7.8200	98.3080	0.3105	23.9313	0.2020	24.1333	6.3467	0.1873	6.5340		22,152.80 73	22,152.80 73	1.0421		22,174.69 08
Total	11.6123	49.9342	167.5320	0.4926	29.1498	0.9610	30.1108	7.8319	0.8856	8.7176		39,202.91 65	39,202.91 65	1.1674		39,227.43 24

3.4 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	1.6992	15.5364	16.3276	0.0268		0.8057	0.8057		0.7581	0.7581		2,543.7497	2,543.7497	0.6085		2,556.5286
Total	1.6992	15.5364	16.3276	0.0268		0.8057	0.8057		0.7581	0.7581		2,543.7497	2,543.7497	0.6085		2,556.5286

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	5.2175	38.2373	67.5167	0.1819	5.2186	0.7507	5.9693	1.4853	0.6906	2.1759		17,036.0848	17,036.0848	0.1281		17,038.7743
Worker	5.9474	7.3213	92.3599	0.3104	23.9313	0.2010	24.1324	6.3467	0.1865	6.5332		21,784.9640	21,784.9640	0.9972		21,805.9046
Total	11.1649	45.5587	159.8766	0.4924	29.1499	0.9517	30.1016	7.8320	0.8771	8.7091		38,821.0488	38,821.0488	1.1252		38,844.6789

3.4 Building Construction - 2022

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	1.6992	15.5364	16.3276	0.0268		0.8057	0.8057		0.7581	0.7581	0.0000	2,543.7497	2,543.7497	0.6085		2,556.5286
Total	1.6992	15.5364	16.3276	0.0268		0.8057	0.8057		0.7581	0.7581	0.0000	2,543.7497	2,543.7497	0.6085		2,556.5286

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	5.2175	38.2373	67.5167	0.1819	5.2186	0.7507	5.9693	1.4853	0.6906	2.1759		17,036.0848	17,036.0848	0.1281		17,038.7743
Worker	5.9474	7.3213	92.3599	0.3104	23.9313	0.2010	24.1324	6.3467	0.1865	6.5332		21,784.9640	21,784.9640	0.9972		21,805.9046
Total	11.1649	45.5587	159.8766	0.4924	29.1499	0.9517	30.1016	7.8320	0.8771	8.7091		38,821.0488	38,821.0488	1.1252		38,844.6789

3.4 Building Construction - 2023**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	1.5661	14.3126	16.2093	0.0268		0.6967	0.6967		0.6557	0.6557		2,544.626 2	2,544.626 2	0.6044		2,557.319 1
Total	1.5661	14.3126	16.2093	0.0268		0.6967	0.6967		0.6557	0.6557		2,544.626 2	2,544.626 2	0.6044		2,557.319 1

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	4.8345	30.4927	64.8247	0.1811	5.2187	0.7412	5.9599	1.4853	0.6820	2.1672		16,955.93 63	16,955.93 63	0.1150		16,958.35 09
Worker	5.6237	6.8749	86.8721	0.3104	23.9313	0.2001	24.1315	6.3467	0.1857	6.5324		21,447.16 88	21,447.16 88	0.9572		21,467.26 92
Total	10.4582	37.3676	151.6968	0.4914	29.1500	0.9414	30.0914	7.8320	0.8676	8.6996		38,403.10 51	38,403.10 51	1.0721		38,425.62 01

3.4 Building Construction - 2023**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	1.5661	14.3126	16.2093	0.0268		0.6967	0.6967		0.6557	0.6557	0.0000	2,544.626 2	2,544.626 2	0.6044		2,557.319 1
Total	1.5661	14.3126	16.2093	0.0268		0.6967	0.6967		0.6557	0.6557	0.0000	2,544.626 2	2,544.626 2	0.6044		2,557.319 1

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	4.8345	30.4927	64.8247	0.1811	5.2187	0.7412	5.9599	1.4853	0.6820	2.1672		16,955.93 63	16,955.93 63	0.1150		16,958.35 09
Worker	5.6237	6.8749	86.8721	0.3104	23.9313	0.2001	24.1315	6.3467	0.1857	6.5324		21,447.16 88	21,447.16 88	0.9572		21,467.26 92
Total	10.4582	37.3676	151.6968	0.4914	29.1500	0.9414	30.0914	7.8320	0.8676	8.6996		38,403.10 51	38,403.10 51	1.0721		38,425.62 01

3.4 Building Construction - 2024

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	1.4653	13.3774	16.1332	0.0268		0.6106	0.6106		0.5744	0.5744		2,545.115 4	2,545.115 4	0.6009		2,557.734 9
Total	1.4653	13.3774	16.1332	0.0268		0.6106	0.6106		0.5744	0.5744		2,545.115 4	2,545.115 4	0.6009		2,557.734 9

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	4.7560	30.3134	63.4738	0.1814	5.2187	0.7420	5.9607	1.4853	0.6827	2.1679		16,993.20 02	16,993.20 02	0.1164		16,995.64 47
Worker	5.3477	6.5001	82.5811	0.3126	23.9313	0.2020	24.1333	6.3467	0.1874	6.5341		21,291.07 20	21,291.07 20	0.9320		21,310.64 43
Total	10.1036	36.8135	146.0549	0.4940	29.1500	0.9440	30.0940	7.8320	0.8700	8.7020		38,284.27 22	38,284.27 22	1.0484		38,306.28 90

3.4 Building Construction - 2024

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	1.4653	13.3774	16.1332	0.0268		0.6106	0.6106		0.5744	0.5744	0.0000	2,545.1154	2,545.1154	0.6009		2,557.7349
Total	1.4653	13.3774	16.1332	0.0268		0.6106	0.6106		0.5744	0.5744	0.0000	2,545.1154	2,545.1154	0.6009		2,557.7349

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	4.7560	30.3134	63.4738	0.1814	5.2187	0.7420	5.9607	1.4853	0.6827	2.1679		16,993.2002	16,993.2002	0.1164		16,995.6447
Worker	5.3477	6.5001	82.5811	0.3126	23.9313	0.2020	24.1333	6.3467	0.1874	6.5341		21,291.0720	21,291.0720	0.9320		21,310.6443
Total	10.1036	36.8135	146.0549	0.4940	29.1500	0.9440	30.0940	7.8320	0.8700	8.7020		38,284.2722	38,284.2722	1.0484		38,306.2890

3.4 Building Construction - 2025

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	1.3615	12.4097	16.0518	0.0269		0.5250	0.5250		0.4939	0.4939		2,545.8905	2,545.8905	0.5975		2,558.4386
Total	1.3615	12.4097	16.0518	0.0269		0.5250	0.5250		0.4939	0.4939		2,545.8905	2,545.8905	0.5975		2,558.4386

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	4.6833	30.1079	62.4541	0.1814	5.2188	0.7458	5.9646	1.4853	0.6861	2.1714		16,994.0566	16,994.0566	0.1169		16,996.5108
Worker	5.0947	6.1660	78.6198	0.3125	23.9313	0.2020	24.1333	6.3467	0.1874	6.5341		21,016.4083	21,016.4083	0.9019		21,035.3486
Total	9.7780	36.2739	141.0739	0.4939	29.1502	0.9478	30.0979	7.8320	0.8735	8.7055		38,010.4649	38,010.4649	1.0188		38,031.8594

3.4 Building Construction - 2025

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	1.3615	12.4097	16.0518	0.0269		0.5250	0.5250		0.4939	0.4939	0.0000	2,545.8905	2,545.8905	0.5975		2,558.4386
Total	1.3615	12.4097	16.0518	0.0269		0.5250	0.5250		0.4939	0.4939	0.0000	2,545.8905	2,545.8905	0.5975		2,558.4386

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	4.6833	30.1079	62.4541	0.1814	5.2188	0.7458	5.9646	1.4853	0.6861	2.1714		16,994.0566	16,994.0566	0.1169		16,996.5108
Worker	5.0947	6.1660	78.6198	0.3125	23.9313	0.2020	24.1333	6.3467	0.1874	6.5341		21,016.4083	21,016.4083	0.9019		21,035.3486
Total	9.7780	36.2739	141.0739	0.4939	29.1502	0.9478	30.0979	7.8320	0.8735	8.7055		38,010.4649	38,010.4649	1.0188		38,031.8594

3.4 Building Construction - 2026

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	1.3615	12.4097	16.0518	0.0269		0.5250	0.5250		0.4939	0.4939		2,545.8905	2,545.8905	0.5975		2,558.4386
Total	1.3615	12.4097	16.0518	0.0269		0.5250	0.5250		0.4939	0.4939		2,545.8905	2,545.8905	0.5975		2,558.4386

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	4.5383	29.2182	61.2539	0.1814	5.2189	0.7145	5.9334	1.4853	0.6574	2.1427		16,990.5768	16,990.5768	0.1132		16,992.9538
Worker	4.8627	5.8751	75.1494	0.3125	23.9313	0.2028	24.1342	6.3467	0.1882	6.5349		20,775.2753	20,775.2753	0.8753		20,793.6566
Total	9.4010	35.0933	136.4033	0.4939	29.1502	0.9174	30.0676	7.8320	0.8456	8.6776		37,765.8521	37,765.8521	0.9885		37,786.6104

3.4 Building Construction - 2026

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	1.3615	12.4097	16.0518	0.0269		0.5250	0.5250		0.4939	0.4939	0.0000	2,545.8905	2,545.8905	0.5975		2,558.4386
Total	1.3615	12.4097	16.0518	0.0269		0.5250	0.5250		0.4939	0.4939	0.0000	2,545.8905	2,545.8905	0.5975		2,558.4386

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	4.5383	29.2182	61.2539	0.1814	5.2189	0.7145	5.9334	1.4853	0.6574	2.1427		16,990.5768	16,990.5768	0.1132		16,992.9538
Worker	4.8627	5.8751	75.1494	0.3125	23.9313	0.2028	24.1342	6.3467	0.1882	6.5349		20,775.2753	20,775.2753	0.8753		20,793.6566
Total	9.4010	35.0933	136.4033	0.4939	29.1502	0.9174	30.0676	7.8320	0.8456	8.6776		37,765.8521	37,765.8521	0.9885		37,786.6104

3.4 Building Construction - 2027

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	1.3615	12.4097	16.0518	0.0269		0.5250	0.5250		0.4939	0.4939		2,545.8905	2,545.8905	0.5975		2,558.4386
Total	1.3615	12.4097	16.0518	0.0269		0.5250	0.5250		0.4939	0.4939		2,545.8905	2,545.8905	0.5975		2,558.4386

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	4.4960	28.9860	60.6287	0.1814	5.2191	0.7164	5.9355	1.4854	0.6591	2.1445		16,991.8478	16,991.8478	0.1134		16,994.2300
Worker	4.6449	5.6128	72.0397	0.3125	23.9313	0.2033	24.1347	6.3467	0.1886	6.5353		20,563.9948	20,563.9948	0.8514		20,581.8732
Total	9.1410	34.5987	132.6685	0.4938	29.1504	0.9197	30.0701	7.8321	0.8477	8.6798		37,555.8425	37,555.8425	0.9648		37,576.1031

3.4 Building Construction - 2027

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	1.3615	12.4097	16.0518	0.0269		0.5250	0.5250		0.4939	0.4939	0.0000	2,545.8905	2,545.8905	0.5975		2,558.4386
Total	1.3615	12.4097	16.0518	0.0269		0.5250	0.5250		0.4939	0.4939	0.0000	2,545.8905	2,545.8905	0.5975		2,558.4386

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	4.4960	28.9860	60.6287	0.1814	5.2191	0.7164	5.9355	1.4854	0.6591	2.1445		16,991.8478	16,991.8478	0.1134		16,994.2300
Worker	4.6449	5.6128	72.0397	0.3125	23.9313	0.2033	24.1347	6.3467	0.1886	6.5353		20,563.9948	20,563.9948	0.8514		20,581.8732
Total	9.1410	34.5987	132.6685	0.4938	29.1504	0.9197	30.0701	7.8321	0.8477	8.6798		37,555.8425	37,555.8425	0.9648		37,576.1031

3.4 Building Construction - 2028

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	1.3615	12.4097	16.0518	0.0269		0.5250	0.5250		0.4939	0.4939		2,545.8905	2,545.8905	0.5975		2,558.4386
Total	1.3615	12.4097	16.0518	0.0269		0.5250	0.5250		0.4939	0.4939		2,545.8905	2,545.8905	0.5975		2,558.4386

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	4.4403	28.7114	60.0317	0.1814	5.2193	0.7117	5.9310	1.4855	0.6548	2.1403		16,992.0794	16,992.0794	0.1129		16,994.4504
Worker	4.4470	5.3765	69.3295	0.3125	23.9313	0.2038	24.1352	6.3467	0.1891	6.5358		20,381.6630	20,381.6630	0.8302		20,399.0961
Total	8.8873	34.0879	129.3613	0.4938	29.1507	0.9155	30.0662	7.8322	0.8439	8.6761		37,373.7423	37,373.7423	0.9431		37,393.5465

3.4 Building Construction - 2028

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	1.3615	12.4097	16.0518	0.0269		0.5250	0.5250		0.4939	0.4939	0.0000	2,545.8905	2,545.8905	0.5975		2,558.4386
Total	1.3615	12.4097	16.0518	0.0269		0.5250	0.5250		0.4939	0.4939	0.0000	2,545.8905	2,545.8905	0.5975		2,558.4386

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	4.4403	28.7114	60.0317	0.1814	5.2193	0.7117	5.9310	1.4855	0.6548	2.1403		16,992.0794	16,992.0794	0.1129		16,994.4504
Worker	4.4470	5.3765	69.3295	0.3125	23.9313	0.2038	24.1352	6.3467	0.1891	6.5358		20,381.6630	20,381.6630	0.8302		20,399.0961
Total	8.8873	34.0879	129.3613	0.4938	29.1507	0.9155	30.0662	7.8322	0.8439	8.6761		37,373.7423	37,373.7423	0.9431		37,393.5465

3.4 Building Construction - 2029

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	1.3615	12.4097	16.0518	0.0269		0.5250	0.5250		0.4939	0.4939		2,545.8905	2,545.8905	0.5975		2,558.4386
Total	1.3615	12.4097	16.0518	0.0269		0.5250	0.5250		0.4939	0.4939		2,545.8905	2,545.8905	0.5975		2,558.4386

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	4.3940	28.5720	59.3883	0.1813	5.2195	0.7128	5.9323	1.4855	0.6557	2.1413		16,992.6960	16,992.6960	0.1131		16,995.0700
Worker	4.2452	5.1405	66.6152	0.3125	23.9313	0.2039	24.1352	6.3467	0.1892	6.5359		20,223.0360	20,223.0360	0.8092		20,240.0290
Total	8.6393	33.7124	126.0036	0.4938	29.1508	0.9167	30.0675	7.8322	0.8449	8.6772		37,215.7320	37,215.7320	0.9222		37,235.0989

3.4 Building Construction - 2029

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	1.3615	12.4097	16.0518	0.0269		0.5250	0.5250		0.4939	0.4939	0.0000	2,545.8905	2,545.8905	0.5975		2,558.4386
Total	1.3615	12.4097	16.0518	0.0269		0.5250	0.5250		0.4939	0.4939	0.0000	2,545.8905	2,545.8905	0.5975		2,558.4386

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	4.3940	28.5720	59.3883	0.1813	5.2195	0.7128	5.9323	1.4855	0.6557	2.1413		16,992.6960	16,992.6960	0.1131		16,995.0700
Worker	4.2452	5.1405	66.6152	0.3125	23.9313	0.2039	24.1352	6.3467	0.1892	6.5359		20,223.0360	20,223.0360	0.8092		20,240.0290
Total	8.6393	33.7124	126.0036	0.4938	29.1508	0.9167	30.0675	7.8322	0.8449	8.6772		37,215.7320	37,215.7320	0.9222		37,235.0989

3.4 Building Construction - 2030

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	1.3041	7.9179	16.1313	0.0308		0.1476	0.1476		0.1476	0.1476		2,884.8300	2,884.8300	0.1158		2,887.2617
Total	1.3041	7.9179	16.1313	0.0308		0.1476	0.1476		0.1476	0.1476		2,884.8300	2,884.8300	0.1158		2,887.2617

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	4.3491	28.4493	58.9378	0.1813	5.2196	0.7139	5.9335	1.4856	0.6568	2.1423		16,992.8831	16,992.8831	0.1132		16,995.2599
Worker	4.0515	4.9156	64.1938	0.3125	23.9313	0.2037	24.1350	6.3467	0.1889	6.5357		20,086.2196	20,086.2196	0.7894		20,102.7973
Total	8.4006	33.3649	123.1316	0.4938	29.1509	0.9175	30.0684	7.8323	0.8457	8.6780		37,079.1026	37,079.1026	0.9026		37,098.0572

3.4 Building Construction - 2030

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	1.3041	7.9179	16.1313	0.0308		0.1476	0.1476		0.1476	0.1476	0.0000	2,884.8300	2,884.8300	0.1158		2,887.2617
Total	1.3041	7.9179	16.1313	0.0308		0.1476	0.1476		0.1476	0.1476	0.0000	2,884.8300	2,884.8300	0.1158		2,887.2617

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	4.3491	28.4493	58.9378	0.1813	5.2196	0.7139	5.9335	1.4856	0.6568	2.1423		16,992.8831	16,992.8831	0.1132		16,995.2599
Worker	4.0515	4.9156	64.1938	0.3125	23.9313	0.2037	24.1350	6.3467	0.1889	6.5357		20,086.2196	20,086.2196	0.7894		20,102.7973
Total	8.4006	33.3649	123.1316	0.4938	29.1509	0.9175	30.0684	7.8323	0.8457	8.6780		37,079.1026	37,079.1026	0.9026		37,098.0572

3.4 Building Construction - 2031**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	1.3041	7.9179	16.1313	0.0308		0.1476	0.1476		0.1476	0.1476		2,884.8300	2,884.8300	0.1158		2,887.2617
Total	1.3041	7.9179	16.1313	0.0308		0.1476	0.1476		0.1476	0.1476		2,884.8300	2,884.8300	0.1158		2,887.2617

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	4.3318	28.3638	58.6145	0.1814	5.2194	0.7107	5.9301	1.4855	0.6539	2.1393		17,001.8827	17,001.8827	0.1139		17,004.2738
Worker	3.8644	4.7016	62.0344	0.3131	23.9313	0.2038	24.1351	6.3467	0.1891	6.5358		20,007.4139	20,007.4139	0.7738		20,023.6643
Total	8.1962	33.0654	120.6489	0.4945	29.1507	0.9145	30.0652	7.8322	0.8430	8.6751		37,009.2965	37,009.2965	0.8877		37,027.9381

3.4 Building Construction - 2031**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	1.3041	7.9179	16.1313	0.0308		0.1476	0.1476		0.1476	0.1476	0.0000	2,884.8300	2,884.8300	0.1158		2,887.2617
Total	1.3041	7.9179	16.1313	0.0308		0.1476	0.1476		0.1476	0.1476	0.0000	2,884.8300	2,884.8300	0.1158		2,887.2617

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	4.3318	28.3638	58.6145	0.1814	5.2194	0.7107	5.9301	1.4855	0.6539	2.1393		17,001.8827	17,001.8827	0.1139		17,004.2738
Worker	3.8644	4.7016	62.0344	0.3131	23.9313	0.2038	24.1351	6.3467	0.1891	6.5358		20,007.4139	20,007.4139	0.7738		20,023.6643
Total	8.1962	33.0654	120.6489	0.4945	29.1507	0.9145	30.0652	7.8322	0.8430	8.6751		37,009.2965	37,009.2965	0.8877		37,027.9381

3.4 Building Construction - 2032

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	1.3041	7.9179	16.1313	0.0308		0.1476	0.1476		0.1476	0.1476		2,884.8300	2,884.8300	0.1158		2,887.2617
Total	1.3041	7.9179	16.1313	0.0308		0.1476	0.1476		0.1476	0.1476		2,884.8300	2,884.8300	0.1158		2,887.2617

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	4.3092	28.2786	58.4046	0.1814	5.2193	0.7119	5.9312	1.4854	0.6550	2.1404		17,002.4930	17,002.4930	0.1140		17,004.8872
Worker	3.6651	4.5111	60.0634	0.3131	23.9313	0.2031	24.1344	6.3467	0.1884	6.5351		19,908.1300	19,908.1300	0.7572		19,924.0311
Total	7.9743	32.7897	118.4680	0.4945	29.1506	0.9150	30.0656	7.8321	0.8434	8.6755		36,910.6230	36,910.6230	0.8712		36,928.9183

3.4 Building Construction - 2032

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	1.3041	7.9179	16.1313	0.0308		0.1476	0.1476		0.1476	0.1476	0.0000	2,884.8300	2,884.8300	0.1158		2,887.2617
Total	1.3041	7.9179	16.1313	0.0308		0.1476	0.1476		0.1476	0.1476	0.0000	2,884.8300	2,884.8300	0.1158		2,887.2617

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	4.3092	28.2786	58.4046	0.1814	5.2193	0.7119	5.9312	1.4854	0.6550	2.1404		17,002.4930	17,002.4930	0.1140		17,004.8872
Worker	3.6651	4.5111	60.0634	0.3131	23.9313	0.2031	24.1344	6.3467	0.1884	6.5351		19,908.1300	19,908.1300	0.7572		19,924.0311
Total	7.9743	32.7897	118.4680	0.4945	29.1506	0.9150	30.0656	7.8321	0.8434	8.6755		36,910.6230	36,910.6230	0.8712		36,928.9183

3.4 Building Construction - 2033

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	1.3041	7.9179	16.1313	0.0308		0.1476	0.1476		0.1476	0.1476		2,884.8300	2,884.8300	0.1158		2,887.2617
Total	1.3041	7.9179	16.1313	0.0308		0.1476	0.1476		0.1476	0.1476		2,884.8300	2,884.8300	0.1158		2,887.2617

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	4.2886	28.1834	58.2263	0.1814	5.2191	0.7130	5.9321	1.4853	0.6560	2.1413		17,002.6082	17,002.6082	0.1142		17,005.0053
Worker	3.4958	4.3499	58.4351	0.3131	23.9313	0.2024	24.1337	6.3467	0.1878	6.5345		19,825.1313	19,825.1313	0.7428		19,840.7301
Total	7.7844	32.5333	116.6615	0.4945	29.1505	0.9154	30.0659	7.8320	0.8438	8.6758		36,827.7396	36,827.7396	0.8570		36,845.7354

3.4 Building Construction - 2033

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	1.3041	7.9179	16.1313	0.0308		0.1476	0.1476		0.1476	0.1476	0.0000	2,884.8300	2,884.8300	0.1158		2,887.2617
Total	1.3041	7.9179	16.1313	0.0308		0.1476	0.1476		0.1476	0.1476	0.0000	2,884.8300	2,884.8300	0.1158		2,887.2617

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	4.2886	28.1834	58.2263	0.1814	5.2191	0.7130	5.9321	1.4853	0.6560	2.1413		17,002.6082	17,002.6082	0.1142		17,005.0053
Worker	3.4958	4.3499	58.4351	0.3131	23.9313	0.2024	24.1337	6.3467	0.1878	6.5345		19,825.1313	19,825.1313	0.7428		19,840.7301
Total	7.7844	32.5333	116.6615	0.4945	29.1505	0.9154	30.0659	7.8320	0.8438	8.6758		36,827.7396	36,827.7396	0.8570		36,845.7354

3.5 Paving - 2033**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	1.3549	6.9800	15.5192	0.0275		0.3234	0.3234		0.3234	0.3234		2,599.9866	2,599.9866	0.1219		2,602.5460
Paving	0.0214					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Total	1.3764	6.9800	15.5192	0.0275		0.3234	0.3234		0.3234	0.3234		2,599.9866	2,599.9866	0.1219		2,602.5460

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	0.0245	0.0305	0.4094	2.1900e-003	0.1677	1.4200e-003	0.1691	0.0445	1.3200e-003	0.0458		138.8963	138.8963	5.2000e-003		139.0056
Total	0.0245	0.0305	0.4094	2.1900e-003	0.1677	1.4200e-003	0.1691	0.0445	1.3200e-003	0.0458		138.8963	138.8963	5.2000e-003		139.0056

3.5 Paving - 2033**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	1.3549	6.9800	15.5192	0.0275		0.3234	0.3234		0.3234	0.3234	0.0000	2,599.9866	2,599.9866	0.1219		2,602.5460
Paving	0.0214					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Total	1.3764	6.9800	15.5192	0.0275		0.3234	0.3234		0.3234	0.3234	0.0000	2,599.9866	2,599.9866	0.1219		2,602.5460

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	0.0245	0.0305	0.4094	2.1900e-003	0.1677	1.4200e-003	0.1691	0.0445	1.3200e-003	0.0458		138.8963	138.8963	5.2000e-003		139.0056
Total	0.0245	0.0305	0.4094	2.1900e-003	0.1677	1.4200e-003	0.1691	0.0445	1.3200e-003	0.0458		138.8963	138.8963	5.2000e-003		139.0056

3.5 Paving - 2034**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	1.3549	6.9800	15.5192	0.0275		0.3234	0.3234		0.3234	0.3234		2,599.9866	2,599.9866	0.1219		2,602.5460
Paving	0.0214					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Total	1.3764	6.9800	15.5192	0.0275		0.3234	0.3234		0.3234	0.3234		2,599.9866	2,599.9866	0.1219		2,602.5460

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	0.0234	0.0295	0.3982	2.1900e-003	0.1677	1.4100e-003	0.1691	0.0445	1.3100e-003	0.0458		138.3982	138.3982	5.1100e-003		138.5054
Total	0.0234	0.0295	0.3982	2.1900e-003	0.1677	1.4100e-003	0.1691	0.0445	1.3100e-003	0.0458		138.3982	138.3982	5.1100e-003		138.5054

3.5 Paving - 2034**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	1.3549	6.9800	15.5192	0.0275		0.3234	0.3234		0.3234	0.3234	0.0000	2,599.9866	2,599.9866	0.1219		2,602.5460
Paving	0.0214					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Total	1.3764	6.9800	15.5192	0.0275		0.3234	0.3234		0.3234	0.3234	0.0000	2,599.9866	2,599.9866	0.1219		2,602.5460

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	0.0234	0.0295	0.3982	2.1900e-003	0.1677	1.4100e-003	0.1691	0.0445	1.3100e-003	0.0458		138.3982	138.3982	5.1100e-003		138.5054
Total	0.0234	0.0295	0.3982	2.1900e-003	0.1677	1.4100e-003	0.1691	0.0445	1.3100e-003	0.0458		138.3982	138.3982	5.1100e-003		138.5054

3.6 Architectural Coating - 2034

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	0.6521					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Off-Road	0.1308	0.8563	1.7977	2.9700e-003		0.0203	0.0203		0.0203	0.0203		281.4481	281.4481	0.0114		281.6873
Total	0.7828	0.8563	1.7977	2.9700e-003		0.0203	0.0203		0.0203	0.0203		281.4481	281.4481	0.0114		281.6873

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	0.6684	0.8428	11.3611	0.0626	4.7840	0.0403	4.8243	1.2688	0.0374	1.3061		3,948.9619	3,948.9619	0.1457		3,952.0220
Total	0.6684	0.8428	11.3611	0.0626	4.7840	0.0403	4.8243	1.2688	0.0374	1.3061		3,948.9619	3,948.9619	0.1457		3,952.0220

3.6 Architectural Coating - 2034

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	0.6521					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Off-Road	0.1308	0.8563	1.7977	2.9700e-003		0.0203	0.0203		0.0203	0.0203	0.0000	281.4481	281.4481	0.0114		281.6873
Total	0.7828	0.8563	1.7977	2.9700e-003		0.0203	0.0203		0.0203	0.0203	0.0000	281.4481	281.4481	0.0114		281.6873

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	0.6684	0.8428	11.3611	0.0626	4.7840	0.0403	4.8243	1.2688	0.0374	1.3061		3,948.9619	3,948.9619	0.1457		3,952.0220
Total	0.6684	0.8428	11.3611	0.0626	4.7840	0.0403	4.8243	1.2688	0.0374	1.3061		3,948.9619	3,948.9619	0.1457		3,952.0220

3.6 Architectural Coating - 2035

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	0.6521					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Off-Road	0.1179	0.7577	1.7943	2.9700e-003		9.9000e-003	9.9000e-003		9.9000e-003	9.9000e-003		281.4481	281.4481	0.0104		281.6665
Total	0.7699	0.7577	1.7943	2.9700e-003		9.9000e-003	9.9000e-003		9.9000e-003	9.9000e-003		281.4481	281.4481	0.0104		281.6665

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	0.6435	0.8237	11.1042	0.0626	4.7840	0.0401	4.8241	1.2688	0.0372	1.3060		3,937.2640	3,937.2640	0.1434		3,940.2763
Total	0.6435	0.8237	11.1042	0.0626	4.7840	0.0401	4.8241	1.2688	0.0372	1.3060		3,937.2640	3,937.2640	0.1434		3,940.2763

3.6 Architectural Coating - 2035

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	0.6521					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Off-Road	0.1179	0.7577	1.7943	2.9700e-003		9.9000e-003	9.9000e-003		9.9000e-003	9.9000e-003	0.0000	281.4481	281.4481	0.0104		281.6665
Total	0.7699	0.7577	1.7943	2.9700e-003		9.9000e-003	9.9000e-003		9.9000e-003	9.9000e-003	0.0000	281.4481	281.4481	0.0104		281.6665

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	0.6435	0.8237	11.1042	0.0626	4.7840	0.0401	4.8241	1.2688	0.0372	1.3060		3,937.2640	3,937.2640	0.1434		3,940.2763
Total	0.6435	0.8237	11.1042	0.0626	4.7840	0.0401	4.8241	1.2688	0.0372	1.3060		3,937.2640	3,937.2640	0.1434		3,940.2763

4.0 Operational Detail - Mobile

4.1 Mitigation Measures Mobile

Increase Transit Accessibility

Improve Pedestrian Network

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 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	4.3298	10.1452	45.9218	0.2059	12.7986	0.2871	13.0857	3.4265	0.2649	3.6914		14,757.1769	14,757.1769	0.3850		14,765.2621
Unmitigated	4.4630	10.9254	49.0589	0.2265	14.1254	0.3142	14.4396	3.7817	0.2900	4.0716		16,236.5274	16,236.5274	0.4220		16,245.3901

4.2 Trip Summary Information

Land Use	Average Daily Trip Rate			Unmitigated	Mitigated
	Weekday	Saturday	Sunday	Annual VMT	Annual VMT
City Park	2,304.00	2,304.00	2304.00	6,629,852	6,007,089
Parking Lot	0.00	0.00	0.00		
Total	2,304.00	2,304.00	2,304.00	6,629,852	6,007,089

4.3 Trip Type Information

Land Use	Miles			Trip %			Trip Purpose %		
	H-W or C-W	H-S or C-C	H-O or C-NW	H-W or C-W	H-S or C-C	H-O or C-NW	Primary	Diverted	Pass-by
City Park	16.60	8.40	6.90	33.00	48.00	19.00	66	28	6
Parking Lot	16.60	8.40	6.90	0.00	0.00	0.00	0	0	0

LDA	LDT1	LDT2	MDV	LHD1	LHD2	MHD	HHD	OBUS	UBUS	MCY	SBUS	MH
0.491908	0.059855	0.185077	0.131229	0.044940	0.007356	0.019164	0.046757	0.003019	0.003347	0.004084	0.000506	0.002760

5.0 Energy Detail

5.1 Fleet Mix

Historical Energy Use: N

5.1 Mitigation Measures Energy

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
NaturalGas Mitigated	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
NaturalGas Unmitigated	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000

5.2 Energy by Land Use - NaturalGas

Unmitigated

	NaturalGas Use	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Land Use	kBTU/yr	lb/day										lb/day					
Parking Lot	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
City Park	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Total		0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000

Mitigated

	NaturalGas Use	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Land Use	kBTU/yr	lb/day										lb/day					
City Park	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Parking Lot	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Total		0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000

6.0 Area Detail

6.1 Mitigation Measures Area

Use Low VOC Paint - Non-Residential Interior

Use Low VOC Paint - Non-Residential Exterior

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 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	102.5689	2.9000e-004	0.0320	0.0000		1.1000e-004	1.1000e-004		1.1000e-004	1.1000e-004		0.0690	0.0690	1.8000e-004		0.0727
Unmitigated	102.6868	2.9000e-004	0.0320	0.0000		1.1000e-004	1.1000e-004		1.1000e-004	1.1000e-004		0.0690	0.0690	1.8000e-004		0.0727

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	1.7412					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Consumer Products	100.9426					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Landscaping	2.9300e-003	2.9000e-004	0.0320	0.0000		1.1000e-004	1.1000e-004		1.1000e-004	1.1000e-004		0.0690	0.0690	1.8000e-004		0.0727
Total	102.6868	2.9000e-004	0.0320	0.0000		1.1000e-004	1.1000e-004		1.1000e-004	1.1000e-004		0.0690	0.0690	1.8000e-004		0.0727

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	1.6233					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Consumer Products	100.9426					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Landscaping	2.9300e-003	2.9000e-004	0.0320	0.0000		1.1000e-004	1.1000e-004		1.1000e-004	1.1000e-004		0.0690	0.0690	1.8000e-004		0.0727
Total	102.5689	2.9000e-004	0.0320	0.0000		1.1000e-004	1.1000e-004		1.1000e-004	1.1000e-004		0.0690	0.0690	1.8000e-004		0.0727

7.0 Water Detail

7.1 Mitigation Measures Water

Apply Water Conservation Strategy

8.0 Waste Detail

8.1 Mitigation Measures Waste

Institute Recycling and Composting Services

9.0 Operational Offroad

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

10.0 Vegetation

JN 6351a Puente Hills Landfill Park
Los Angeles-South Coast County, Winter

1.0 Project Characteristics

1.1 Land Usage

Land Uses	Size	Metric	Lot Acreage	Floor Surface Area	Population
Parking Lot	200.00	Space	1.80	80,000.00	0
City Park	115.20	Acre	115.20	5,018,112.00	0

1.2 Other Project Characteristics

Urbanization	Urban	Wind Speed (m/s)	2.2	Precipitation Freq (Days)	33
Climate Zone	9			Operational Year	2035
Utility Company	Southern California Edison				
CO2 Intensity (lb/MWhr)	630.89	CH4 Intensity (lb/MWhr)	0.029	N2O Intensity (lb/MWhr)	0.006

1.3 User Entered Comments & Non-Default Data

Project Characteristics -

Land Use - Designated as 117-acre "regional park" in the TIA. 200 parking spaces total.

Construction Phase - Construction starts no earlier than 2017. Full buildout in 2035.

Grading - Site is 117 acres of improvements

Architectural Coating - SCAQMD Rule 1113 limits paints to 50g/L VOC. Approx 30,950 SF of onsite buildings/structures to be painted only; 46,425 SF interior; 15,475 SF exterior.

Vehicle Trips - Trip gen rate from TIA. 20 trips per acre.

Area Coating - SCAQMD Rule 1113 limits paints to 50g/L VOC. Approx 30,950SF of onsite buildings/structures to be painted only; 46,425 SF interior, 15,475 SF exterior.

Construction Off-road Equipment Mitigation -

Mobile Land Use Mitigation - Paths and trails onsite, connecting off-site. Bus stop 0.6 miles from park entrance.

Area Mitigation - SCAQMD Rule 1113 limits paints to 50g/L VOC.

Water Mitigation - Drought-tolerant plants used in landscaping. 20% reduction in water use per CalGreen requirements.

Waste Mitigation - Recycling 75% per AB 341

Table Name	Column Name	Default Value	New Value
tblArchitecturalCoating	ConstArea_Nonresidential_Exterior	2,510,256.00	15,475.00
tblArchitecturalCoating	ConstArea_Nonresidential_Interior	7,530,768.00	46,425.00
tblArchitecturalCoating	EF_Nonresidential_Exterior	250.00	50.00
tblArchitecturalCoating	EF_Nonresidential_Interior	250.00	50.00
tblAreaCoating	Area_EF_Nonresidential_Exterior	250	50
tblAreaCoating	Area_Nonresidential_Interior	7530765	46425
tblAreaMitigation	UseLowVOCPaintNonresidentialInteriorValue	250	50
tblConstructionPhase	NumDays	3,100.00	3,300.00
tblConstructionPhase	NumDays	310.00	500.00
tblConstructionPhase	NumDays	120.00	200.00
tblConstructionPhase	PhaseEndDate	9/6/2019	9/4/2020
tblConstructionPhase	PhaseStartDate	10/7/2017	10/7/2018
tblGrading	AcresOfGrading	1,250.00	117.00
tblGrading	AcresOfGrading	0.00	117.00
tblProjectCharacteristics	OperationalYear	2014	2035
tblVehicleTrips	ST_TR	1.59	20.00
tblVehicleTrips	SU_TR	1.59	20.00
tblVehicleTrips	WD_TR	1.59	20.00

2.0 Emissions Summary

2.1 Overall Construction (Maximum Daily Emission)

Unmitigated Construction

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Year	lb/day										lb/day					
2017	4.9130	51.8547	40.4550	0.0416	18.8879	2.7560	21.6439	10.0510	2.5356	12.5866	0.0000	4,204.062 3	4,204.062 3	1.2377	0.0000	4,230.053 3
2018	5.3642	59.6358	43.3703	0.0645	6.4938	2.7900	9.2838	3.3963	2.5668	5.9631	0.0000	6,427.922 5	6,427.922 5	1.9456	0.0000	6,468.780 5
2019	4.9597	54.2914	41.2626	0.0644	6.4938	2.5068	9.0006	3.3963	2.3063	5.7026	0.0000	6,317.988 5	6,317.988 5	1.9443	0.0000	6,358.818 6
2020	14.9969	79.0111	202.8274	0.5000	29.1497	2.2638	31.3059	7.8319	2.0827	9.8397	0.0000	40,697.22 11	40,697.22 11	1.9435	0.0000	40,738.03 43
2021	14.1901	69.0865	194.3349	0.5004	29.1498	1.9220	31.0718	7.8319	1.7890	9.6210	0.0000	40,350.85 89	40,350.85 89	1.7844	0.0000	40,388.33 21
2022	13.5133	62.7633	186.3327	0.5002	29.1499	1.7634	30.9133	7.8320	1.6407	9.4727	0.0000	39,989.24 96	39,989.24 96	1.7384	0.0000	40,025.75 52
2023	12.6477	52.9980	177.9768	0.4992	29.1500	1.6439	30.7939	7.8320	1.5286	9.3606	0.0000	39,589.58 13	39,589.58 13	1.6812	0.0000	39,624.88 57
2024	12.1628	51.4535	172.0477	0.5016	29.1500	1.5603	30.7104	7.8320	1.4497	9.2817	0.0000	39,476.67 01	39,476.67 01	1.6540	0.0000	39,511.40 30
2025	11.7111	49.8970	166.9187	0.5016	29.1502	1.4786	30.6287	7.8320	1.3728	9.2048	0.0000	39,217.70 48	39,217.70 48	1.6209	0.0000	39,251.74 42
2026	11.3157	48.6471	162.2323	0.5015	29.1502	1.4481	30.5984	7.8320	1.3448	9.1768	0.0000	38,985.39 59	38,985.39 59	1.5906	0.0000	39,018.79 92
2027	11.0409	48.1122	158.5119	0.5014	29.1504	1.4505	30.6009	7.8321	1.3469	9.1790	0.0000	38,786.04 95	38,786.04 95	1.5669	0.0000	38,818.95 52
2028	10.7743	47.5629	155.2358	0.5014	29.1507	1.4463	30.5970	7.8322	1.3431	9.1753	0.0000	38,613.08 23	38,613.08 23	1.5452	0.0000	38,645.53 17
2029	10.5129	47.1542	151.8484	0.5014	29.1508	1.4474	30.5982	7.8322	1.3441	9.1764	0.0000	38,462.76 09	38,462.76 09	1.5244	0.0000	38,494.77 32
2030	10.2079	42.2836	149.1124	0.5053	29.1509	1.0709	30.2218	7.8323	0.9986	8.8308	0.0000	38,671.56 74	38,671.56 74	1.0230	0.0000	38,693.05 10
2031	9.9939	41.9554	146.6970	0.5060	29.1507	1.0678	30.2185	7.8322	0.9958	8.8280	0.0000	38,604.49 87	38,604.49 87	1.0081	0.0000	38,625.66 94
2032	9.7587	41.6545	144.6105	0.5060	29.1506	1.0683	30.2190	7.8321	0.9963	8.8284	0.0000	38,510.54 36	38,510.54 36	0.9917	0.0000	38,531.36 82
2033	9.5577	41.3760	142.8829	0.5060	29.1505	1.0687	30.2192	7.8320	0.9966	8.8286	0.0000	38,431.67 79	38,431.67 79	0.9774	0.0000	38,452.20 31
2034	1.4747	7.0126	15.8818	0.0620	4.7840	0.3248	4.8446	1.2688	0.3247	1.3264	0.0000	4,003.716 3	4,003.716 3	0.1571	0.0000	4,007.015 6

	ROG	NOx	CO	SO2	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					
2035	1.4360	1.6656	11.9001	0.0620	4.7840	0.0500	4.8341	1.2688	0.0471	1.3159	0.0000	3,992.611 7	3,992.611 7	0.1538	0.0000	3,995.842 4
Total	180.5315	898.4151	2,464.439 1	7.3262	449.5480	29.1277	478.3038	129.0299	27.0102	155.6981	0.0000	573,333.1 632	573,333.1 632	26.0882	0.0000	573,881.0 159

2.1 Overall Construction (Maximum Daily Emission)

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					
2017	4.9130	51.8547	40.4550	0.0416	7.4890	2.7560	10.2450	3.9525	2.5356	6.4880	0.0000	4,204.062 3	4,204.062 3	1.2377	0.0000	4,230.053 3
2018	5.3642	59.6358	43.3703	0.0645	2.6690	2.7900	5.4589	1.3607	2.5668	3.9275	0.0000	6,427.922 5	6,427.922 5	1.9456	0.0000	6,468.780 5
2019	4.9597	54.2914	41.2626	0.0644	2.6690	2.5068	5.1758	1.3607	2.3063	3.6670	0.0000	6,317.988 4	6,317.988 4	1.9443	0.0000	6,358.818 5
2020	14.9969	79.0111	202.8274	0.5000	29.1497	2.2638	31.3059	7.8319	2.0827	9.8397	0.0000	40,697.22 11	40,697.22 11	1.9435	0.0000	40,738.03 43
2021	14.1901	69.0865	194.3349	0.5004	29.1498	1.9220	31.0718	7.8319	1.7890	9.6210	0.0000	40,350.85 89	40,350.85 89	1.7844	0.0000	40,388.33 21
2022	13.5133	62.7633	186.3327	0.5002	29.1499	1.7634	30.9133	7.8320	1.6407	9.4727	0.0000	39,989.24 96	39,989.24 96	1.7384	0.0000	40,025.75 52
2023	12.6477	52.9980	177.9768	0.4992	29.1500	1.6439	30.7939	7.8320	1.5286	9.3606	0.0000	39,589.58 13	39,589.58 13	1.6812	0.0000	39,624.88 57
2024	12.1628	51.4535	172.0477	0.5016	29.1500	1.5603	30.7104	7.8320	1.4497	9.2817	0.0000	39,476.67 01	39,476.67 01	1.6540	0.0000	39,511.40 30
2025	11.7111	49.8970	166.9187	0.5016	29.1502	1.4786	30.6287	7.8320	1.3728	9.2048	0.0000	39,217.70 48	39,217.70 48	1.6209	0.0000	39,251.74 42
2026	11.3157	48.6471	162.2323	0.5015	29.1502	1.4481	30.5984	7.8320	1.3448	9.1768	0.0000	38,985.39 59	38,985.39 59	1.5906	0.0000	39,018.79 92
2027	11.0409	48.1122	158.5119	0.5014	29.1504	1.4505	30.6009	7.8321	1.3469	9.1790	0.0000	38,786.04 95	38,786.04 95	1.5669	0.0000	38,818.95 52

	ROG	NOx	CO	SO2	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					
2028	10.7743	47.5629	155.2358	0.5014	29.1507	1.4463	30.5970	7.8322	1.3431	9.1753	0.0000	38,613.0823	38,613.0823	1.5452	0.0000	38,645.5317
2029	10.5129	47.1542	151.8484	0.5014	29.1508	1.4474	30.5982	7.8322	1.3441	9.1764	0.0000	38,462.7609	38,462.7609	1.5244	0.0000	38,494.7732
2030	10.2079	42.2836	149.1124	0.5053	29.1509	1.0709	30.2218	7.8323	0.9986	8.8308	0.0000	38,671.5674	38,671.5674	1.0230	0.0000	38,693.0510
2031	9.9939	41.9554	146.6970	0.5060	29.1507	1.0678	30.2185	7.8322	0.9958	8.8280	0.0000	38,604.4987	38,604.4987	1.0081	0.0000	38,625.6694
2032	9.7587	41.6545	144.6105	0.5060	29.1506	1.0683	30.2190	7.8321	0.9963	8.8284	0.0000	38,510.5436	38,510.5436	0.9917	0.0000	38,531.3682
2033	9.5577	41.3760	142.8829	0.5060	29.1505	1.0687	30.2192	7.8320	0.9966	8.8286	0.0000	38,431.6779	38,431.6779	0.9774	0.0000	38,452.2031
2034	1.4747	7.0126	15.8818	0.0620	4.7840	0.3248	4.8446	1.2688	0.3247	1.3264	0.0000	4,003.7163	4,003.7163	0.1571	0.0000	4,007.0156
2035	1.4360	1.6656	11.9001	0.0620	4.7840	0.0500	4.8341	1.2688	0.0471	1.3159	0.0000	3,992.6117	3,992.6117	0.1538	0.0000	3,995.8424
Total	180.5315	898.4151	2,464.4391	7.3262	430.4994	29.1277	459.2552	118.8602	27.0102	145.5284	0.0000	573,333.1632	573,333.1632	26.0882	0.0000	573,881.0158

	ROG	NOx	CO	SO2	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	4.24	0.00	3.98	7.88	0.00	6.53	0.00	0.00	0.00	0.00	0.00	0.00

2.2 Overall Operational

Unmitigated Operational

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Area	102.6868	2.9000e-004	0.0320	0.0000		1.1000e-004	1.1000e-004		1.1000e-004	1.1000e-004		0.0690	0.0690	1.8000e-004		0.0727
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	4.6817	11.4092	50.9517	0.2167	14.1254	0.3154	14.4408	3.7817	0.2910	4.0727		15,597.44 42	15,597.44 42	0.4231		15,606.33 00
Total	107.3685	11.4094	50.9837	0.2167	14.1254	0.3155	14.4409	3.7817	0.2911	4.0728		15,597.51 32	15,597.51 32	0.4233	0.0000	15,606.40 27

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	102.5689	2.9000e-004	0.0320	0.0000		1.1000e-004	1.1000e-004		1.1000e-004	1.1000e-004		0.0690	0.0690	1.8000e-004		0.0727
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	4.5514	10.5833	48.1057	0.1970	12.7986	0.2882	13.0868	3.4265	0.2660	3.6925		14,175.59 04	14,175.59 04	0.3861		14,183.69 87
Total	107.1203	10.5836	48.1377	0.1970	12.7986	0.2884	13.0869	3.4265	0.2661	3.6926		14,175.65 94	14,175.65 94	0.3863	0.0000	14,183.77 14

	ROG	NOx	CO	SO2	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	0.23	7.24	5.58	9.11	9.39	8.59	9.38	9.39	8.59	9.34	0.00	9.12	9.12	8.75	0.00	9.12

3.0 Construction Detail

Construction Phase

Phase Number	Phase Name	Phase Type	Start Date	End Date	Num Days Week	Num Days	Phase Description
1	Site Preparation	Site Preparation	1/1/2017	10/6/2017	5	200	
2	Grading	Grading	10/7/2018	9/4/2020	5	500	
3	Building Construction	Building Construction	9/5/2020	4/29/2033	5	3300	
4	Paving	Paving	4/30/2033	3/3/2034	5	220	
5	Architectural Coating	Architectural Coating	3/4/2034	1/5/2035	5	220	

Acres of Grading (Site Preparation Phase): 117

Acres of Grading (Grading Phase): 117

Acres of Paving: 0

Residential Indoor: 0; Residential Outdoor: 0; Non-Residential Indoor: 46,425; Non-Residential Outdoor: 15,475 (Architectural Coating – sqft)

OffRoad Equipment

Phase Name	Offroad Equipment Type	Amount	Usage Hours	Horse Power	Load Factor
Site Preparation	Rubber Tired Dozers	3	8.00	255	0.40
Site Preparation	Tractors/Loaders/Backhoes	4	8.00	97	0.37
Grading	Excavators	2	8.00	162	0.38
Grading	Graders	1	8.00	174	0.41
Grading	Rubber Tired Dozers	1	8.00	255	0.40
Grading	Scrapers	2	8.00	361	0.48
Grading	Tractors/Loaders/Backhoes	2	8.00	97	0.37
Building Construction	Cranes	1	7.00	226	0.29
Building Construction	Forklifts	3	8.00	89	0.20
Building Construction	Generator Sets	1	8.00	84	0.74
Building Construction	Tractors/Loaders/Backhoes	3	7.00	97	0.37
Building Construction	Welders	1	8.00	46	0.45
Paving	Pavers	2	8.00	125	0.42
Paving	Paving Equipment	2	8.00	130	0.36
Paving	Rollers	2	8.00	80	0.38
Architectural Coating	Air Compressors	1	6.00	78	0.48

Trips and VMT

Phase Name	Offroad Equipment Count	Worker Trip Number	Vendor Trip Number	Hauling Trip Number	Worker Trip Length	Vendor Trip Length	Hauling Trip Length	Worker Vehicle Class	Vendor Vehicle Class	Hauling Vehicle Class
Site Preparation	7	18.00	0.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Grading	8	20.00	0.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Building Construction	9	2,141.00	836.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Paving	6	15.00	0.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Architectural Coating	1	428.00	0.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT

3.1 Mitigation Measures Construction

Water Exposed Area

Reduce Vehicle Speed on Unpaved Roads

3.2 Site Preparation - 2017**Unmitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					18.6867	0.0000	18.6867	9.9977	0.0000	9.9977			0.0000			0.0000
Off-Road	4.8382	51.7535	39.3970	0.0391		2.7542	2.7542		2.5339	2.5339		4,003.0859	4,003.0859	1.2265		4,028.8432
Total	4.8382	51.7535	39.3970	0.0391	18.6867	2.7542	21.4409	9.9977	2.5339	12.5316		4,003.0859	4,003.0859	1.2265		4,028.8432

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	0.0748	0.1012	1.0580	2.4700e-003	0.2012	1.8200e-003	0.2030	0.0534	1.6800e-003	0.0550		200.9764	200.9764	0.0111		201.2101
Total	0.0748	0.1012	1.0580	2.4700e-003	0.2012	1.8200e-003	0.2030	0.0534	1.6800e-003	0.0550		200.9764	200.9764	0.0111		201.2101

3.2 Site Preparation - 2017**Mitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					7.2878	0.0000	7.2878	3.8991	0.0000	3.8991			0.0000			0.0000
Off-Road	4.8382	51.7535	39.3970	0.0391		2.7542	2.7542		2.5339	2.5339	0.0000	4,003.0859	4,003.0859	1.2265		4,028.8432
Total	4.8382	51.7535	39.3970	0.0391	7.2878	2.7542	10.0420	3.8991	2.5339	6.4330	0.0000	4,003.0859	4,003.0859	1.2265		4,028.8432

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	0.0748	0.1012	1.0580	2.4700e-003	0.2012	1.8200e-003	0.2030	0.0534	1.6800e-003	0.0550		200.9764	200.9764	0.0111		201.2101
Total	0.0748	0.1012	1.0580	2.4700e-003	0.2012	1.8200e-003	0.2030	0.0534	1.6800e-003	0.0550		200.9764	200.9764	0.0111		201.2101

3.3 Grading - 2018**Unmitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					6.2702	0.0000	6.2702	3.3370	0.0000	3.3370			0.0000			0.0000
Off-Road	5.2895	59.5338	42.3068	0.0617		2.7880	2.7880		2.5650	2.5650		6,212.804 2	6,212.804 2	1.9341		6,253.420 9
Total	5.2895	59.5338	42.3068	0.0617	6.2702	2.7880	9.0583	3.3370	2.5650	5.9020		6,212.804 2	6,212.804 2	1.9341		6,253.420 9

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0746	0.1021	1.0635	2.7400e-003	0.2236	1.9600e-003	0.2255	0.0593	1.8100e-003	0.0611		215.1183	215.1183	0.0115		215.3596
Total	0.0746	0.1021	1.0635	2.7400e-003	0.2236	1.9600e-003	0.2255	0.0593	1.8100e-003	0.0611		215.1183	215.1183	0.0115		215.3596

3.3 Grading - 2018**Mitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					2.4454	0.0000	2.4454	1.3014	0.0000	1.3014			0.0000			0.0000
Off-Road	5.2895	59.5338	42.3068	0.0617		2.7880	2.7880		2.5650	2.5650	0.0000	6,212.804 1	6,212.804 1	1.9341		6,253.420 9
Total	5.2895	59.5338	42.3068	0.0617	2.4454	2.7880	5.2334	1.3014	2.5650	3.8664	0.0000	6,212.804 1	6,212.804 1	1.9341		6,253.420 9

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0746	0.1021	1.0635	2.7400e-003	0.2236	1.9600e-003	0.2255	0.0593	1.8100e-003	0.0611		215.1183	215.1183	0.0115		215.3596
Total	0.0746	0.1021	1.0635	2.7400e-003	0.2236	1.9600e-003	0.2255	0.0593	1.8100e-003	0.0611		215.1183	215.1183	0.0115		215.3596

3.3 Grading - 2019**Unmitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					6.2702	0.0000	6.2702	3.3370	0.0000	3.3370			0.0000			0.0000
Off-Road	4.8912	54.1978	40.2888	0.0617		2.5049	2.5049		2.3045	2.3045		6,111.312 1	6,111.312 1	1.9336		6,151.916 7
Total	4.8912	54.1978	40.2888	0.0617	6.2702	2.5049	8.7752	3.3370	2.3045	5.6416		6,111.312 1	6,111.312 1	1.9336		6,151.916 7

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	0.0685	0.0936	0.9737	2.7300e-003	0.2236	1.9100e-003	0.2255	0.0593	1.7700e-003	0.0611		206.6764	206.6764	0.0107		206.9018
Total	0.0685	0.0936	0.9737	2.7300e-003	0.2236	1.9100e-003	0.2255	0.0593	1.7700e-003	0.0611		206.6764	206.6764	0.0107		206.9018

3.3 Grading - 2019**Mitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					2.4454	0.0000	2.4454	1.3014	0.0000	1.3014			0.0000			0.0000
Off-Road	4.8912	54.1978	40.2888	0.0617		2.5049	2.5049		2.3045	2.3045	0.0000	6,111.312 1	6,111.312 1	1.9336		6,151.916 7
Total	4.8912	54.1978	40.2888	0.0617	2.4454	2.5049	4.9503	1.3014	2.3045	3.6060	0.0000	6,111.312 1	6,111.312 1	1.9336		6,151.916 7

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	0.0685	0.0936	0.9737	2.7300e-003	0.2236	1.9100e-003	0.2255	0.0593	1.7700e-003	0.0611		206.6764	206.6764	0.0107		206.9018
Total	0.0685	0.0936	0.9737	2.7300e-003	0.2236	1.9100e-003	0.2255	0.0593	1.7700e-003	0.0611		206.6764	206.6764	0.0107		206.9018

3.3 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					6.2702	0.0000	6.2702	3.3370	0.0000	3.3370			0.0000			0.0000
Off-Road	4.5501	49.3839	38.4257	0.0617		2.2619	2.2619		2.0810	2.0810		5,977.7088	5,977.7088	1.9333		6,018.3084
Total	4.5501	49.3839	38.4257	0.0617	6.2702	2.2619	8.5322	3.3370	2.0810	5.4180		5,977.7088	5,977.7088	1.9333		6,018.3084

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	0.0643	0.0867	0.9060	2.7300e-003	0.2236	1.8900e-003	0.2255	0.0593	1.7600e-003	0.0610		198.3653	198.3653	0.0102		198.5790
Total	0.0643	0.0867	0.9060	2.7300e-003	0.2236	1.8900e-003	0.2255	0.0593	1.7600e-003	0.0610		198.3653	198.3653	0.0102		198.5790

3.3 Grading - 2020**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					2.4454	0.0000	2.4454	1.3014	0.0000	1.3014			0.0000			0.0000
Off-Road	4.5501	49.3839	38.4257	0.0617		2.2619	2.2619		2.0810	2.0810	0.0000	5,977.7088	5,977.7088	1.9333		6,018.3084
Total	4.5501	49.3839	38.4257	0.0617	2.4454	2.2619	4.7073	1.3014	2.0810	3.3824	0.0000	5,977.7088	5,977.7088	1.9333		6,018.3084

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	0.0643	0.0867	0.9060	2.7300e-003	0.2236	1.8900e-003	0.2255	0.0593	1.7600e-003	0.0610		198.3653	198.3653	0.0102		198.5790
Total	0.0643	0.0867	0.9060	2.7300e-003	0.2236	1.8900e-003	0.2255	0.0593	1.7600e-003	0.0610		198.3653	198.3653	0.0102		198.5790

3.4 Building Construction - 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					
Off-Road	2.1113	19.0839	16.8084	0.0268		1.1128	1.1128		1.0465	1.0465		2,542.4799	2,542.4799	0.6194		2,555.4880
Total	2.1113	19.0839	16.8084	0.0268		1.1128	1.1128		1.0465	1.0465		2,542.4799	2,542.4799	0.6194		2,555.4880

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	6.0081	50.6448	89.0370	0.1810	5.2184	0.8407	6.0590	1.4852	0.7734	2.2586		16,919.7413	16,919.7413	0.1288		16,922.4457
Worker	6.8776	9.2825	96.9820	0.2922	23.9313	0.2026	24.1340	6.3467	0.1879	6.5346		21,234.9999	21,234.9999	1.0894		21,257.8768
Total	12.8857	59.9272	186.0189	0.4732	29.1497	1.0433	30.1930	7.8319	0.9613	8.7932		38,154.7412	38,154.7412	1.2182		38,180.3224

3.4 Building Construction - 2020

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	2.1113	19.0839	16.8084	0.0268		1.1128	1.1128		1.0465	1.0465	0.0000	2,542.4799	2,542.4799	0.6194		2,555.4880
Total	2.1113	19.0839	16.8084	0.0268		1.1128	1.1128		1.0465	1.0465	0.0000	2,542.4799	2,542.4799	0.6194		2,555.4880

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	6.0081	50.6448	89.0370	0.1810	5.2184	0.8407	6.0590	1.4852	0.7734	2.2586		16,919.7413	16,919.7413	0.1288		16,922.4457
Worker	6.8776	9.2825	96.9820	0.2922	23.9313	0.2026	24.1340	6.3467	0.1879	6.5346		21,234.9999	21,234.9999	1.0894		21,257.8768
Total	12.8857	59.9272	186.0189	0.4732	29.1497	1.0433	30.1930	7.8319	0.9613	8.7932		38,154.7412	38,154.7412	1.2182		38,180.3224

3.4 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	1.8931	17.3403	16.5376	0.0268		0.9549	0.9549		0.8979	0.8979		2,542.7817	2,542.7817	0.6126		2,555.6462
Total	1.8931	17.3403	16.5376	0.0268		0.9549	0.9549		0.8979	0.8979		2,542.7817	2,542.7817	0.6126		2,555.6462

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	5.7938	43.0819	86.8436	0.1808	5.2185	0.7650	5.9836	1.4852	0.7039	2.1891		16,906.6704	16,906.6704	0.1298		16,909.3957
Worker	6.5032	8.6643	90.9537	0.2927	23.9313	0.2020	24.1333	6.3467	0.1873	6.5340		20,901.4068	20,901.4068	1.0421		20,923.2903
Total	12.2970	51.7462	177.7973	0.4736	29.1498	0.9671	30.1169	7.8319	0.8912	8.7231		37,808.0772	37,808.0772	1.1718		37,832.6860

3.4 Building Construction - 2021**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	1.8931	17.3403	16.5376	0.0268		0.9549	0.9549		0.8979	0.8979	0.0000	2,542.7817	2,542.7817	0.6126		2,555.6462
Total	1.8931	17.3403	16.5376	0.0268		0.9549	0.9549		0.8979	0.8979	0.0000	2,542.7817	2,542.7817	0.6126		2,555.6462

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	5.7938	43.0819	86.8436	0.1808	5.2185	0.7650	5.9836	1.4852	0.7039	2.1891		16,906.6704	16,906.6704	0.1298		16,909.3957
Worker	6.5032	8.6643	90.9537	0.2927	23.9313	0.2020	24.1333	6.3467	0.1873	6.5340		20,901.4068	20,901.4068	1.0421		20,923.2903
Total	12.2970	51.7462	177.7973	0.4736	29.1498	0.9671	30.1169	7.8319	0.8912	8.7231		37,808.0772	37,808.0772	1.1718		37,832.6860

3.4 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	1.6992	15.5364	16.3276	0.0268		0.8057	0.8057		0.7581	0.7581		2,543.7497	2,543.7497	0.6085		2,556.5286
Total	1.6992	15.5364	16.3276	0.0268		0.8057	0.8057		0.7581	0.7581		2,543.7497	2,543.7497	0.6085		2,556.5286

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	5.6624	39.1184	84.6900	0.1806	5.2186	0.7566	5.9752	1.4853	0.6961	2.1814		16,892.7415	16,892.7415	0.1327		16,895.5275
Worker	6.1518	8.1086	85.3151	0.2927	23.9313	0.2010	24.1324	6.3467	0.1865	6.5332		20,552.7585	20,552.7585	0.9972		20,573.6991
Total	11.8141	47.2269	170.0051	0.4733	29.1499	0.9577	30.1076	7.8320	0.8826	8.7145		37,445.5000	37,445.5000	1.1298		37,469.2265

3.4 Building Construction - 2022

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	1.6992	15.5364	16.3276	0.0268		0.8057	0.8057		0.7581	0.7581	0.0000	2,543.7497	2,543.7497	0.6085		2,556.5286
Total	1.6992	15.5364	16.3276	0.0268		0.8057	0.8057		0.7581	0.7581	0.0000	2,543.7497	2,543.7497	0.6085		2,556.5286

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	5.6624	39.1184	84.6900	0.1806	5.2186	0.7566	5.9752	1.4853	0.6961	2.1814		16,892.7415	16,892.7415	0.1327		16,895.5275
Worker	6.1518	8.1086	85.3151	0.2927	23.9313	0.2010	24.1324	6.3467	0.1865	6.5332		20,552.7585	20,552.7585	0.9972		20,573.6991
Total	11.8141	47.2269	170.0051	0.4733	29.1499	0.9577	30.1076	7.8320	0.8826	8.7145		37,445.5000	37,445.5000	1.1298		37,469.2265

3.4 Building Construction - 2023**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	1.5661	14.3126	16.2093	0.0268		0.6967	0.6967		0.6557	0.6557		2,544.626 2	2,544.626 2	0.6044		2,557.319 1
Total	1.5661	14.3126	16.2093	0.0268		0.6967	0.6967		0.6557	0.6557		2,544.626 2	2,544.626 2	0.6044		2,557.319 1

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	5.2632	31.0749	81.6575	0.1798	5.2187	0.7471	5.9657	1.4853	0.6873	2.1726		16,812.56 58	16,812.56 58	0.1196		16,815.07 70
Worker	5.8184	7.6105	80.1101	0.2926	23.9313	0.2001	24.1315	6.3467	0.1857	6.5324		20,232.38 93	20,232.38 93	0.9572		20,252.48 96
Total	11.0816	38.6854	161.7676	0.4724	29.1500	0.9472	30.0972	7.8320	0.8730	8.7049		37,044.95 51	37,044.95 51	1.0767		37,067.56 66

3.4 Building Construction - 2023

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	1.5661	14.3126	16.2093	0.0268		0.6967	0.6967		0.6557	0.6557	0.0000	2,544.626 2	2,544.626 2	0.6044		2,557.319 1
Total	1.5661	14.3126	16.2093	0.0268		0.6967	0.6967		0.6557	0.6557	0.0000	2,544.626 2	2,544.626 2	0.6044		2,557.319 1

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	5.2632	31.0749	81.6575	0.1798	5.2187	0.7471	5.9657	1.4853	0.6873	2.1726		16,812.56 58	16,812.56 58	0.1196		16,815.07 70
Worker	5.8184	7.6105	80.1101	0.2926	23.9313	0.2001	24.1315	6.3467	0.1857	6.5324		20,232.38 93	20,232.38 93	0.9572		20,252.48 96
Total	11.0816	38.6854	161.7676	0.4724	29.1500	0.9472	30.0972	7.8320	0.8730	8.7049		37,044.95 51	37,044.95 51	1.0767		37,067.56 66

3.4 Building Construction - 2024**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	1.4653	13.3774	16.1332	0.0268		0.6106	0.6106		0.5744	0.5744		2,545.1154	2,545.1154	0.6009		2,557.7349
Total	1.4653	13.3774	16.1332	0.0268		0.6106	0.6106		0.5744	0.5744		2,545.1154	2,545.1154	0.6009		2,557.7349

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	5.1658	30.8839	79.8978	0.1801	5.2187	0.7478	5.9665	1.4853	0.6880	2.1733		16,849.8149	16,849.8149	0.1210		16,852.3561
Worker	5.5317	7.1922	76.0167	0.2947	23.9313	0.2020	24.1333	6.3467	0.1874	6.5341		20,081.7398	20,081.7398	0.9320		20,101.3120
Total	10.6976	38.0761	155.9145	0.4748	29.1500	0.9498	30.0998	7.8320	0.8754	8.7073		36,931.5546	36,931.5546	1.0530		36,953.6681

3.4 Building Construction - 2024

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	1.4653	13.3774	16.1332	0.0268		0.6106	0.6106		0.5744	0.5744	0.0000	2,545.115 4	2,545.115 4	0.6009		2,557.734 9
Total	1.4653	13.3774	16.1332	0.0268		0.6106	0.6106		0.5744	0.5744	0.0000	2,545.115 4	2,545.115 4	0.6009		2,557.734 9

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	5.1658	30.8839	79.8978	0.1801	5.2187	0.7478	5.9665	1.4853	0.6880	2.1733		16,849.81 49	16,849.81 49	0.1210		16,852.35 61
Worker	5.5317	7.1922	76.0167	0.2947	23.9313	0.2020	24.1333	6.3467	0.1874	6.5341		20,081.73 98	20,081.73 98	0.9320		20,101.31 20
Total	10.6976	38.0761	155.9145	0.4748	29.1500	0.9498	30.0998	7.8320	0.8754	8.7073		36,931.55 46	36,931.55 46	1.0530		36,953.66 81

3.4 Building Construction - 2025

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	1.3615	12.4097	16.0518	0.0269		0.5250	0.5250		0.4939	0.4939		2,545.8905	2,545.8905	0.5975		2,558.4386
Total	1.3615	12.4097	16.0518	0.0269		0.5250	0.5250		0.4939	0.4939		2,545.8905	2,545.8905	0.5975		2,558.4386

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	5.0793	30.6676	78.5920	0.1801	5.2188	0.7516	5.9704	1.4853	0.6915	2.1768		16,850.6586	16,850.6586	0.1215		16,853.2096
Worker	5.2704	6.8198	72.2750	0.2946	23.9313	0.2020	24.1333	6.3467	0.1874	6.5341		19,821.1557	19,821.1557	0.9019		19,840.0961
Total	10.3496	37.4873	150.8669	0.4747	29.1502	0.9536	30.1037	7.8320	0.8789	8.7109		36,671.8143	36,671.8143	1.0234		36,693.3057

3.4 Building Construction - 2025

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	1.3615	12.4097	16.0518	0.0269		0.5250	0.5250		0.4939	0.4939	0.0000	2,545.8905	2,545.8905	0.5975		2,558.4386
Total	1.3615	12.4097	16.0518	0.0269		0.5250	0.5250		0.4939	0.4939	0.0000	2,545.8905	2,545.8905	0.5975		2,558.4386

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	5.0793	30.6676	78.5920	0.1801	5.2188	0.7516	5.9704	1.4853	0.6915	2.1768		16,850.6586	16,850.6586	0.1215		16,853.2096
Worker	5.2704	6.8198	72.2750	0.2946	23.9313	0.2020	24.1333	6.3467	0.1874	6.5341		19,821.1557	19,821.1557	0.9019		19,840.0961
Total	10.3496	37.4873	150.8669	0.4747	29.1502	0.9536	30.1037	7.8320	0.8789	8.7109		36,671.8143	36,671.8143	1.0234		36,693.3057

3.4 Building Construction - 2026

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	1.3615	12.4097	16.0518	0.0269		0.5250	0.5250		0.4939	0.4939		2,545.8905	2,545.8905	0.5975		2,558.4386
Total	1.3615	12.4097	16.0518	0.0269		0.5250	0.5250		0.4939	0.4939		2,545.8905	2,545.8905	0.5975		2,558.4386

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	4.9233	29.7418	77.1801	0.1800	5.2189	0.7203	5.9392	1.4853	0.6627	2.1480		16,847.1677	16,847.1677	0.1178		16,849.6417
Worker	5.0309	6.4957	69.0004	0.2946	23.9313	0.2028	24.1342	6.3467	0.1882	6.5349		19,592.3377	19,592.3377	0.8753		19,610.7189
Total	9.9542	36.2375	146.1805	0.4746	29.1502	0.9231	30.0734	7.8320	0.8509	8.6829		36,439.5054	36,439.5054	0.9931		36,460.3606

3.4 Building Construction - 2026

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	1.3615	12.4097	16.0518	0.0269		0.5250	0.5250		0.4939	0.4939	0.0000	2,545.8905	2,545.8905	0.5975		2,558.4386
Total	1.3615	12.4097	16.0518	0.0269		0.5250	0.5250		0.4939	0.4939	0.0000	2,545.8905	2,545.8905	0.5975		2,558.4386

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	4.9233	29.7418	77.1801	0.1800	5.2189	0.7203	5.9392	1.4853	0.6627	2.1480		16,847.1677	16,847.1677	0.1178		16,849.6417
Worker	5.0309	6.4957	69.0004	0.2946	23.9313	0.2028	24.1342	6.3467	0.1882	6.5349		19,592.3377	19,592.3377	0.8753		19,610.7189
Total	9.9542	36.2375	146.1805	0.4746	29.1502	0.9231	30.0734	7.8320	0.8509	8.6829		36,439.5054	36,439.5054	0.9931		36,460.3606

3.4 Building Construction - 2027

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	1.3615	12.4097	16.0518	0.0269		0.5250	0.5250		0.4939	0.4939		2,545.8905	2,545.8905	0.5975		2,558.4386
Total	1.3615	12.4097	16.0518	0.0269		0.5250	0.5250		0.4939	0.4939		2,545.8905	2,545.8905	0.5975		2,558.4386

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	4.8731	29.4991	76.3934	0.1800	5.2191	0.7221	5.9412	1.4854	0.6644	2.1498		16,848.4288	16,848.4288	0.1181		16,850.9081
Worker	4.8063	6.2034	66.0668	0.2946	23.9313	0.2033	24.1347	6.3467	0.1886	6.5353		19,391.7302	19,391.7302	0.8514		19,409.6086
Total	9.6794	35.7025	142.4602	0.4746	29.1504	0.9255	30.0759	7.8321	0.8530	8.6851		36,240.1590	36,240.1590	0.9694		36,260.5167

3.4 Building Construction - 2027

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	1.3615	12.4097	16.0518	0.0269		0.5250	0.5250		0.4939	0.4939	0.0000	2,545.8905	2,545.8905	0.5975		2,558.4386
Total	1.3615	12.4097	16.0518	0.0269		0.5250	0.5250		0.4939	0.4939	0.0000	2,545.8905	2,545.8905	0.5975		2,558.4386

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	4.8731	29.4991	76.3934	0.1800	5.2191	0.7221	5.9412	1.4854	0.6644	2.1498		16,848.4288	16,848.4288	0.1181		16,850.9081
Worker	4.8063	6.2034	66.0668	0.2946	23.9313	0.2033	24.1347	6.3467	0.1886	6.5353		19,391.7302	19,391.7302	0.8514		19,409.6086
Total	9.6794	35.7025	142.4602	0.4746	29.1504	0.9255	30.0759	7.8321	0.8530	8.6851		36,240.1590	36,240.1590	0.9694		36,260.5167

3.4 Building Construction - 2028

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	1.3615	12.4097	16.0518	0.0269		0.5250	0.5250		0.4939	0.4939		2,545.8905	2,545.8905	0.5975		2,558.4386
Total	1.3615	12.4097	16.0518	0.0269		0.5250	0.5250		0.4939	0.4939		2,545.8905	2,545.8905	0.5975		2,558.4386

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	4.8105	29.2130	75.6704	0.1800	5.2193	0.7175	5.9368	1.4855	0.6601	2.1455		16,848.6513	16,848.6513	0.1175		16,851.1195
Worker	4.6023	5.9402	63.5136	0.2945	23.9313	0.2038	24.1352	6.3467	0.1891	6.5358		19,218.5405	19,218.5405	0.8302		19,235.9736
Total	9.4128	35.1532	139.1840	0.4746	29.1507	0.9213	30.0719	7.8322	0.8492	8.6814		36,067.1918	36,067.1918	0.9477		36,087.0932

3.4 Building Construction - 2028

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	1.3615	12.4097	16.0518	0.0269		0.5250	0.5250		0.4939	0.4939	0.0000	2,545.8905	2,545.8905	0.5975		2,558.4386
Total	1.3615	12.4097	16.0518	0.0269		0.5250	0.5250		0.4939	0.4939	0.0000	2,545.8905	2,545.8905	0.5975		2,558.4386

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	4.8105	29.2130	75.6704	0.1800	5.2193	0.7175	5.9368	1.4855	0.6601	2.1455		16,848.6513	16,848.6513	0.1175		16,851.1195
Worker	4.6023	5.9402	63.5136	0.2945	23.9313	0.2038	24.1352	6.3467	0.1891	6.5358		19,218.5405	19,218.5405	0.8302		19,235.9736
Total	9.4128	35.1532	139.1840	0.4746	29.1507	0.9213	30.0719	7.8322	0.8492	8.6814		36,067.1918	36,067.1918	0.9477		36,087.0932

3.4 Building Construction - 2029

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	1.3615	12.4097	16.0518	0.0269		0.5250	0.5250		0.4939	0.4939		2,545.8905	2,545.8905	0.5975		2,558.4386
Total	1.3615	12.4097	16.0518	0.0269		0.5250	0.5250		0.4939	0.4939		2,545.8905	2,545.8905	0.5975		2,558.4386

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	4.7555	29.0674	74.8384	0.1800	5.2195	0.7185	5.9380	1.4855	0.6610	2.1466		16,849.2604	16,849.2604	0.1177		16,851.7317
Worker	4.3960	5.6771	60.9582	0.2945	23.9313	0.2039	24.1352	6.3467	0.1892	6.5359		19,067.6099	19,067.6099	0.8092		19,084.6029
Total	9.1515	34.7445	135.7966	0.4745	29.1508	0.9224	30.0732	7.8322	0.8502	8.6824		35,916.8704	35,916.8704	0.9269		35,936.3346

3.4 Building Construction - 2029

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	1.3615	12.4097	16.0518	0.0269		0.5250	0.5250		0.4939	0.4939	0.0000	2,545.8905	2,545.8905	0.5975		2,558.4386
Total	1.3615	12.4097	16.0518	0.0269		0.5250	0.5250		0.4939	0.4939	0.0000	2,545.8905	2,545.8905	0.5975		2,558.4386

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	4.7555	29.0674	74.8384	0.1800	5.2195	0.7185	5.9380	1.4855	0.6610	2.1466		16,849.2604	16,849.2604	0.1177		16,851.7317
Worker	4.3960	5.6771	60.9582	0.2945	23.9313	0.2039	24.1352	6.3467	0.1892	6.5359		19,067.6099	19,067.6099	0.8092		19,084.6029
Total	9.1515	34.7445	135.7966	0.4745	29.1508	0.9224	30.0732	7.8322	0.8502	8.6824		35,916.8704	35,916.8704	0.9269		35,936.3346

3.4 Building Construction - 2030

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	1.3041	7.9179	16.1313	0.0308		0.1476	0.1476		0.1476	0.1476		2,884.8300	2,884.8300	0.1158		2,887.2617
Total	1.3041	7.9179	16.1313	0.0308		0.1476	0.1476		0.1476	0.1476		2,884.8300	2,884.8300	0.1158		2,887.2617

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	4.7049	28.9393	74.3026	0.1800	5.2196	0.7196	5.9392	1.4856	0.6620	2.1476		16,849.4409	16,849.4409	0.1178		16,851.9151
Worker	4.1988	5.4264	58.6784	0.2945	23.9313	0.2037	24.1350	6.3467	0.1889	6.5357		18,937.2966	18,937.2966	0.7894		18,953.8742
Total	8.9038	34.3657	132.9810	0.4745	29.1509	0.9233	30.0742	7.8323	0.8510	8.6832		35,786.7374	35,786.7374	0.9072		35,805.7893

3.4 Building Construction - 2030

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	1.3041	7.9179	16.1313	0.0308		0.1476	0.1476		0.1476	0.1476	0.0000	2,884.8300	2,884.8300	0.1158		2,887.2617
Total	1.3041	7.9179	16.1313	0.0308		0.1476	0.1476		0.1476	0.1476	0.0000	2,884.8300	2,884.8300	0.1158		2,887.2617

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	4.7049	28.9393	74.3026	0.1800	5.2196	0.7196	5.9392	1.4856	0.6620	2.1476		16,849.4409	16,849.4409	0.1178		16,851.9151
Worker	4.1988	5.4264	58.6784	0.2945	23.9313	0.2037	24.1350	6.3467	0.1889	6.5357		18,937.2966	18,937.2966	0.7894		18,953.8742
Total	8.9038	34.3657	132.9810	0.4745	29.1509	0.9233	30.0742	7.8323	0.8510	8.6832		35,786.7374	35,786.7374	0.9072		35,805.7893

3.4 Building Construction - 2031

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	1.3041	7.9179	16.1313	0.0308		0.1476	0.1476		0.1476	0.1476		2,884.8300	2,884.8300	0.1158		2,887.2617
Total	1.3041	7.9179	16.1313	0.0308		0.1476	0.1476		0.1476	0.1476		2,884.8300	2,884.8300	0.1158		2,887.2617

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	4.6841	28.8499	73.9325	0.1801	5.2194	0.7164	5.9358	1.4855	0.6591	2.1446		16,858.4348	16,858.4348	0.1185		16,860.9233
Worker	4.0057	5.1876	56.6332	0.2951	23.9313	0.2038	24.1351	6.3467	0.1891	6.5358		18,861.2339	18,861.2339	0.7738		18,877.4844
Total	8.6898	34.0375	130.5657	0.4752	29.1507	0.9202	30.0709	7.8322	0.8482	8.6804		35,719.6687	35,719.6687	0.8923		35,738.4077

3.4 Building Construction - 2031

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	1.3041	7.9179	16.1313	0.0308		0.1476	0.1476		0.1476	0.1476	0.0000	2,884.8300	2,884.8300	0.1158		2,887.2617
Total	1.3041	7.9179	16.1313	0.0308		0.1476	0.1476		0.1476	0.1476	0.0000	2,884.8300	2,884.8300	0.1158		2,887.2617

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	4.6841	28.8499	73.9325	0.1801	5.2194	0.7164	5.9358	1.4855	0.6591	2.1446		16,858.4348	16,858.4348	0.1185		16,860.9233
Worker	4.0057	5.1876	56.6332	0.2951	23.9313	0.2038	24.1351	6.3467	0.1891	6.5358		18,861.2339	18,861.2339	0.7738		18,877.4844
Total	8.6898	34.0375	130.5657	0.4752	29.1507	0.9202	30.0709	7.8322	0.8482	8.6804		35,719.6687	35,719.6687	0.8923		35,738.4077

3.4 Building Construction - 2032

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	1.3041	7.9179	16.1313	0.0308		0.1476	0.1476		0.1476	0.1476		2,884.8300	2,884.8300	0.1158		2,887.2617
Total	1.3041	7.9179	16.1313	0.0308		0.1476	0.1476		0.1476	0.1476		2,884.8300	2,884.8300	0.1158		2,887.2617

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	4.6586	28.7612	73.6998	0.1801	5.2193	0.7176	5.9369	1.4854	0.6602	2.1456		16,859.0411	16,859.0411	0.1187		16,861.5329
Worker	3.7960	4.9754	54.7794	0.2951	23.9313	0.2031	24.1344	6.3467	0.1884	6.5351		18,766.6726	18,766.6726	0.7572		18,782.5736
Total	8.4546	33.7366	128.4792	0.4752	29.1506	0.9207	30.0713	7.8321	0.8487	8.6808		35,625.7136	35,625.7136	0.8759		35,644.1065

3.4 Building Construction - 2032

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	1.3041	7.9179	16.1313	0.0308		0.1476	0.1476		0.1476	0.1476	0.0000	2,884.8300	2,884.8300	0.1158		2,887.2617
Total	1.3041	7.9179	16.1313	0.0308		0.1476	0.1476		0.1476	0.1476	0.0000	2,884.8300	2,884.8300	0.1158		2,887.2617

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	4.6586	28.7612	73.6998	0.1801	5.2193	0.7176	5.9369	1.4854	0.6602	2.1456		16,859.0411	16,859.0411	0.1187		16,861.5329
Worker	3.7960	4.9754	54.7794	0.2951	23.9313	0.2031	24.1344	6.3467	0.1884	6.5351		18,766.6726	18,766.6726	0.7572		18,782.5736
Total	8.4546	33.7366	128.4792	0.4752	29.1506	0.9207	30.0713	7.8321	0.8487	8.6808		35,625.7136	35,625.7136	0.8759		35,644.1065

3.4 Building Construction - 2033

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	1.3041	7.9179	16.1313	0.0308		0.1476	0.1476		0.1476	0.1476		2,884.8300	2,884.8300	0.1158		2,887.2617
Total	1.3041	7.9179	16.1313	0.0308		0.1476	0.1476		0.1476	0.1476		2,884.8300	2,884.8300	0.1158		2,887.2617

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	4.6353	28.6620	73.5016	0.1801	5.2191	0.7187	5.9378	1.4853	0.6612	2.1465		16,859.1526	16,859.1526	0.1188		16,861.6472
Worker	3.6183	4.7961	53.2501	0.2951	23.9313	0.2024	24.1337	6.3467	0.1878	6.5345		18,687.6954	18,687.6954	0.7428		18,703.2941
Total	8.2536	33.4581	126.7516	0.4752	29.1505	0.9211	30.0716	7.8320	0.8490	8.6810		35,546.8479	35,546.8479	0.8616		35,564.9414

3.4 Building Construction - 2033

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	1.3041	7.9179	16.1313	0.0308		0.1476	0.1476		0.1476	0.1476	0.0000	2,884.8300	2,884.8300	0.1158		2,887.2617
Total	1.3041	7.9179	16.1313	0.0308		0.1476	0.1476		0.1476	0.1476	0.0000	2,884.8300	2,884.8300	0.1158		2,887.2617

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	4.6353	28.6620	73.5016	0.1801	5.2191	0.7187	5.9378	1.4853	0.6612	2.1465		16,859.1526	16,859.1526	0.1188		16,861.6472
Worker	3.6183	4.7961	53.2501	0.2951	23.9313	0.2024	24.1337	6.3467	0.1878	6.5345		18,687.6954	18,687.6954	0.7428		18,703.2941
Total	8.2536	33.4581	126.7516	0.4752	29.1505	0.9211	30.0716	7.8320	0.8490	8.6810		35,546.8479	35,546.8479	0.8616		35,564.9414

3.5 Paving - 2033**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	1.3549	6.9800	15.5192	0.0275		0.3234	0.3234		0.3234	0.3234		2,599.9866	2,599.9866	0.1219		2,602.5460
Paving	0.0214					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Total	1.3764	6.9800	15.5192	0.0275		0.3234	0.3234		0.3234	0.3234		2,599.9866	2,599.9866	0.1219		2,602.5460

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	0.0254	0.0336	0.3731	2.0700e-003	0.1677	1.4200e-003	0.1691	0.0445	1.3200e-003	0.0458		130.9273	130.9273	5.2000e-003		131.0366
Total	0.0254	0.0336	0.3731	2.0700e-003	0.1677	1.4200e-003	0.1691	0.0445	1.3200e-003	0.0458		130.9273	130.9273	5.2000e-003		131.0366

3.5 Paving - 2033**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	1.3549	6.9800	15.5192	0.0275		0.3234	0.3234		0.3234	0.3234	0.0000	2,599.9866	2,599.9866	0.1219		2,602.5460
Paving	0.0214					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Total	1.3764	6.9800	15.5192	0.0275		0.3234	0.3234		0.3234	0.3234	0.0000	2,599.9866	2,599.9866	0.1219		2,602.5460

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	0.0254	0.0336	0.3731	2.0700e-003	0.1677	1.4200e-003	0.1691	0.0445	1.3200e-003	0.0458		130.9273	130.9273	5.2000e-003		131.0366
Total	0.0254	0.0336	0.3731	2.0700e-003	0.1677	1.4200e-003	0.1691	0.0445	1.3200e-003	0.0458		130.9273	130.9273	5.2000e-003		131.0366

3.5 Paving - 2034**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	1.3549	6.9800	15.5192	0.0275		0.3234	0.3234		0.3234	0.3234		2,599.9866	2,599.9866	0.1219		2,602.5460
Paving	0.0214					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Total	1.3764	6.9800	15.5192	0.0275		0.3234	0.3234		0.3234	0.3234		2,599.9866	2,599.9866	0.1219		2,602.5460

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	0.0243	0.0326	0.3626	2.0700e-003	0.1677	1.4100e-003	0.1691	0.0445	1.3100e-003	0.0458		130.4533	130.4533	5.1100e-003		130.5606
Total	0.0243	0.0326	0.3626	2.0700e-003	0.1677	1.4100e-003	0.1691	0.0445	1.3100e-003	0.0458		130.4533	130.4533	5.1100e-003		130.5606

3.5 Paving - 2034**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	1.3549	6.9800	15.5192	0.0275		0.3234	0.3234		0.3234	0.3234	0.0000	2,599.9866	2,599.9866	0.1219		2,602.5460
Paving	0.0214					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Total	1.3764	6.9800	15.5192	0.0275		0.3234	0.3234		0.3234	0.3234	0.0000	2,599.9866	2,599.9866	0.1219		2,602.5460

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	0.0243	0.0326	0.3626	2.0700e-003	0.1677	1.4100e-003	0.1691	0.0445	1.3100e-003	0.0458		130.4533	130.4533	5.1100e-003		130.5606
Total	0.0243	0.0326	0.3626	2.0700e-003	0.1677	1.4100e-003	0.1691	0.0445	1.3100e-003	0.0458		130.4533	130.4533	5.1100e-003		130.5606

3.6 Architectural Coating - 2034**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	0.6521					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Off-Road	0.1308	0.8563	1.7977	2.9700e-003		0.0203	0.0203		0.0203	0.0203		281.4481	281.4481	0.0114		281.6873
Total	0.7828	0.8563	1.7977	2.9700e-003		0.0203	0.0203		0.0203	0.0203		281.4481	281.4481	0.0114		281.6873

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	0.6919	0.9290	10.3454	0.0590	4.7840	0.0403	4.8243	1.2688	0.0374	1.3061		3,722.268 2	3,722.268 2	0.1457		3,725.328 3
Total	0.6919	0.9290	10.3454	0.0590	4.7840	0.0403	4.8243	1.2688	0.0374	1.3061		3,722.268 2	3,722.268 2	0.1457		3,725.328 3

3.6 Architectural Coating - 2034

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	0.6521					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Off-Road	0.1308	0.8563	1.7977	2.9700e-003		0.0203	0.0203		0.0203	0.0203	0.0000	281.4481	281.4481	0.0114		281.6873
Total	0.7828	0.8563	1.7977	2.9700e-003		0.0203	0.0203		0.0203	0.0203	0.0000	281.4481	281.4481	0.0114		281.6873

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	0.6919	0.9290	10.3454	0.0590	4.7840	0.0403	4.8243	1.2688	0.0374	1.3061		3,722.268 2	3,722.268 2	0.1457		3,725.328 3
Total	0.6919	0.9290	10.3454	0.0590	4.7840	0.0403	4.8243	1.2688	0.0374	1.3061		3,722.268 2	3,722.268 2	0.1457		3,725.328 3

3.6 Architectural Coating - 2035

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	0.6521					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Off-Road	0.1179	0.7577	1.7943	2.9700e-003		9.9000e-003	9.9000e-003		9.9000e-003	9.9000e-003		281.4481	281.4481	0.0104		281.6665
Total	0.7699	0.7577	1.7943	2.9700e-003		9.9000e-003	9.9000e-003		9.9000e-003	9.9000e-003		281.4481	281.4481	0.0104		281.6665

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	0.6661	0.9079	10.1058	0.0590	4.7840	0.0401	4.8241	1.2688	0.0372	1.3060		3,711.1637	3,711.1637	0.1434		3,714.1760
Total	0.6661	0.9079	10.1058	0.0590	4.7840	0.0401	4.8241	1.2688	0.0372	1.3060		3,711.1637	3,711.1637	0.1434		3,714.1760

3.6 Architectural Coating - 2035

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	0.6521					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Off-Road	0.1179	0.7577	1.7943	2.9700e-003		9.9000e-003	9.9000e-003		9.9000e-003	9.9000e-003	0.0000	281.4481	281.4481	0.0104		281.6665
Total	0.7699	0.7577	1.7943	2.9700e-003		9.9000e-003	9.9000e-003		9.9000e-003	9.9000e-003	0.0000	281.4481	281.4481	0.0104		281.6665

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	0.6661	0.9079	10.1058	0.0590	4.7840	0.0401	4.8241	1.2688	0.0372	1.3060		3,711.1637	3,711.1637	0.1434		3,714.1760
Total	0.6661	0.9079	10.1058	0.0590	4.7840	0.0401	4.8241	1.2688	0.0372	1.3060		3,711.1637	3,711.1637	0.1434		3,714.1760

4.0 Operational Detail - Mobile

4.1 Mitigation Measures Mobile

Increase Transit Accessibility

Improve Pedestrian Network

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 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	4.5514	10.5833	48.1057	0.1970	12.7986	0.2882	13.0868	3.4265	0.2660	3.6925		14,175.5904	14,175.5904	0.3861		14,183.6987
Unmitigated	4.6817	11.4092	50.9517	0.2167	14.1254	0.3154	14.4408	3.7817	0.2910	4.0727		15,597.4442	15,597.4442	0.4231		15,606.3300

4.2 Trip Summary Information

Land Use	Average Daily Trip Rate			Unmitigated	Mitigated
	Weekday	Saturday	Sunday	Annual VMT	Annual VMT
City Park	2,304.00	2,304.00	2304.00	6,629,852	6,007,089
Parking Lot	0.00	0.00	0.00		
Total	2,304.00	2,304.00	2,304.00	6,629,852	6,007,089

4.3 Trip Type Information

Land Use	Miles			Trip %			Trip Purpose %		
	H-W or C-W	H-S or C-C	H-O or C-NW	H-W or C-W	H-S or C-C	H-O or C-NW	Primary	Diverted	Pass-by
City Park	16.60	8.40	6.90	33.00	48.00	19.00	66	28	6
Parking Lot	16.60	8.40	6.90	0.00	0.00	0.00	0	0	0

LDA	LDT1	LDT2	MDV	LHD1	LHD2	MHD	HHD	OBUS	UBUS	MCY	SBUS	MH
0.491908	0.059855	0.185077	0.131229	0.044940	0.007356	0.019164	0.046757	0.003019	0.003347	0.004084	0.000506	0.002760

5.0 Energy Detail

5.1 Fleet Mix

Historical Energy Use: N

5.1 Mitigation Measures Energy

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
NaturalGas Mitigated	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
NaturalGas Unmitigated	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000

5.2 Energy by Land Use - NaturalGas

Unmitigated

	NaturalGas Use	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Land Use	kBTU/yr	lb/day										lb/day					
Parking Lot	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
City Park	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Total		0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000

Mitigated

	NaturalGas Use	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Land Use	kBTU/yr	lb/day										lb/day					
Parking Lot	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
City Park	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
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

Use Low VOC Paint - Non-Residential Interior

Use Low VOC Paint - Non-Residential Exterior

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 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	102.5689	2.9000e-004	0.0320	0.0000		1.1000e-004	1.1000e-004		1.1000e-004	1.1000e-004		0.0690	0.0690	1.8000e-004		0.0727
Unmitigated	102.6868	2.9000e-004	0.0320	0.0000		1.1000e-004	1.1000e-004		1.1000e-004	1.1000e-004		0.0690	0.0690	1.8000e-004		0.0727

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	1.7412					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Consumer Products	100.9426					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Landscaping	2.9300e-003	2.9000e-004	0.0320	0.0000		1.1000e-004	1.1000e-004		1.1000e-004	1.1000e-004		0.0690	0.0690	1.8000e-004		0.0727
Total	102.6868	2.9000e-004	0.0320	0.0000		1.1000e-004	1.1000e-004		1.1000e-004	1.1000e-004		0.0690	0.0690	1.8000e-004		0.0727

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	1.6233					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Consumer Products	100.9426					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Landscaping	2.9300e-003	2.9000e-004	0.0320	0.0000		1.1000e-004	1.1000e-004		1.1000e-004	1.1000e-004		0.0690	0.0690	1.8000e-004		0.0727
Total	102.5689	2.9000e-004	0.0320	0.0000		1.1000e-004	1.1000e-004		1.1000e-004	1.1000e-004		0.0690	0.0690	1.8000e-004		0.0727

7.0 Water Detail

7.1 Mitigation Measures Water

Apply Water Conservation Strategy

8.0 Waste Detail

8.1 Mitigation Measures Waste

Institute Recycling and Composting Services

9.0 Operational Offroad

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

10.0 Vegetation

JN 6351a Puente Hills Landfill Park High Build Alternative
Los Angeles-South Coast County, Summer

1.0 Project Characteristics

1.1 Land Usage

Land Uses	Size	Metric	Lot Acreage	Floor Surface Area	Population
Parking Lot	600.00	Space	5.40	240,000.00	0
City Park	111.60	Acre	111.60	4,861,296.00	0

1.2 Other Project Characteristics

Urbanization	Urban	Wind Speed (m/s)	2.2	Precipitation Freq (Days)	33
Climate Zone	9			Operational Year	2035
Utility Company	Southern California Edison				
CO2 Intensity (lb/MWhr)	630.89	CH4 Intensity (lb/MWhr)	0.029	N2O Intensity (lb/MWhr)	0.006

1.3 User Entered Comments & Non-Default Data

Project Characteristics -

Land Use - Designated as 117-acre "regional park" in the TIA. 600 parking spaces total.

Construction Phase - Construction starts no earlier than 2017. Full buildout in 2035.

Grading - Site is 117 acres of improvements

Architectural Coating - SCAQMD Rule 1113 limits paints to 50g/L VOC. Approx 40,250 SF of onsite buildings/structures to be painted only; 60,375 SF interior; 20,125 SF exterior.

Vehicle Trips - Trip gen rate from TIA. 23 trips per acre.

Area Coating - SCAQMD Rule 1113 limits paints to 50g/L VOC. Approx 40,250 SF of onsite buildings/structures to be painted only; 60,375 SF interior; 20,125 SF exterior.

Construction Off-road Equipment Mitigation -

Mobile Land Use Mitigation - Paths and trails onsite, connecting off-site. Bus stop 0.6 miles from park entrance.

Area Mitigation - SCAQMD Rule 1113 limits paints to 50g/L VOC.

Water Mitigation - Drought-tolerant plants used in landscaping. 20% reduction in water use per CalGreen requirements.

Waste Mitigation - Recycling 75% per AB 341

Table Name	Column Name	Default Value	New Value
tblArchitecturalCoating	ConstArea_Nonresidential_Exterior	2,434,248.00	20,125.00
tblArchitecturalCoating	ConstArea_Nonresidential_Interior	7,302,744.00	60,375.00
tblArchitecturalCoating	EF_Nonresidential_Exterior	250.00	50.00
tblArchitecturalCoating	EF_Nonresidential_Interior	250.00	50.00
tblAreaCoating	Area_EF_Nonresidential_Exterior	250	50
tblAreaCoating	Area_Nonresidential_Interior	7302750	60375
tblAreaMitigation	UseLowVOCPaintNonresidentialInteriorValue	250	50
tblConstructionPhase	NumDays	3,100.00	3,300.00
tblConstructionPhase	NumDays	310.00	500.00
tblConstructionPhase	NumDays	120.00	200.00
tblConstructionPhase	PhaseEndDate	9/6/2019	9/4/2020
tblConstructionPhase	PhaseStartDate	10/7/2017	10/7/2018
tblGrading	AcresOfGrading	1,250.00	117.00
tblGrading	AcresOfGrading	0.00	117.00
tblProjectCharacteristics	OperationalYear	2014	2035
tblVehicleTrips	ST_TR	1.59	23.00
tblVehicleTrips	SU_TR	1.59	23.00
tblVehicleTrips	WD_TR	1.59	23.00

2.0 Emissions Summary

2.1 Overall Construction (Maximum Daily Emission)

Unmitigated Construction

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Year	lb/day										lb/day					
2017	4.9102	51.8447	40.5284	0.0417	18.8879	2.7560	21.6439	10.0510	2.5356	12.5866	0.0000	4,216.0309	4,216.0309	1.2377	0.0000	4,242.0219
2018	5.3616	59.6258	43.4490	0.0646	6.4938	2.7900	9.2838	3.3963	2.5668	5.9631	0.0000	6,440.7513	6,440.7513	1.9456	0.0000	6,481.6093
2019	4.9574	54.2822	41.3377	0.0646	6.4938	2.5068	9.0006	3.3963	2.3063	5.7026	0.0000	6,330.3282	6,330.3282	1.9443	0.0000	6,371.1583
2020	14.2740	76.9766	192.8290	0.5193	29.1721	2.2638	31.3212	7.8378	2.0827	9.8392	0.0000	42,131.1387	42,131.1387	1.9435	0.0000	42,171.9520
2021	13.5113	67.2818	184.1615	0.5197	29.1722	1.9161	31.0883	7.8379	1.7836	9.6215	0.0000	41,766.3922	41,766.3922	1.7810	0.0000	41,803.7929
2022	12.8696	61.1019	176.2904	0.5195	29.1723	1.7576	30.9299	7.8379	1.6354	9.4733	0.0000	41,385.1488	41,385.1488	1.7347	0.0000	41,421.5774
2023	12.0296	51.6866	167.9872	0.5186	29.1724	1.6383	30.8106	7.8379	1.5234	9.3613	0.0000	40,967.7661	40,967.7661	1.6775	0.0000	41,002.9926
2024	11.5739	50.1970	162.2652	0.5211	29.1724	1.5547	30.7271	7.8379	1.4446	9.2825	0.0000	40,849.2766	40,849.2766	1.6502	0.0000	40,883.9311
2025	11.1443	48.6894	157.1991	0.5211	29.1725	1.4730	30.6455	7.8379	1.3676	9.2056	0.0000	40,575.9878	40,575.9878	1.6172	0.0000	40,609.9480
2026	10.7670	47.5085	152.5253	0.5210	29.1726	1.4426	30.6151	7.8379	1.3396	9.1776	0.0000	40,331.1497	40,331.1497	1.5868	0.0000	40,364.4732
2027	10.5068	47.0137	148.7875	0.5210	29.1728	1.4449	30.6177	7.8380	1.3418	9.1798	0.0000	40,120.9428	40,120.9428	1.5631	0.0000	40,153.7681
2028	10.2529	46.5026	145.4778	0.5210	29.1730	1.4407	30.6138	7.8381	1.3380	9.1761	0.0000	39,938.6722	39,938.6722	1.5414	0.0000	39,971.0407
2029	10.0047	46.1269	142.1176	0.5210	29.1732	1.4419	30.6151	7.8382	1.3390	9.1772	0.0000	39,780.5137	39,780.5137	1.5205	0.0000	39,812.4446
2030	9.7085	41.2874	139.3229	0.5249	29.1733	1.0653	30.2386	7.8382	0.9935	8.8317	0.0000	39,982.6960	39,982.6960	1.0191	0.0000	40,004.0978
2031	9.5039	40.9877	136.8382	0.5256	29.1731	1.0623	30.2354	7.8381	0.9907	8.8288	0.0000	39,912.8163	39,912.8163	1.0042	0.0000	39,933.9048
2032	9.2819	40.7118	134.6554	0.5256	29.1730	1.0628	30.2358	7.8380	0.9912	8.8292	0.0000	39,814.0500	39,814.0500	0.9877	0.0000	39,834.7919
2033	9.0917	40.4553	132.8474	0.5256	29.1728	1.0632	30.2360	7.8379	0.9915	8.8295	0.0000	39,731.0890	39,731.0890	0.9734	0.0000	39,751.5312
2034	1.6487	7.0096	15.9174	0.0657	4.7952	0.3248	4.8559	1.2717	0.3247	1.3295	0.0000	4,239.6365	4,239.6365	0.1575	0.0000	4,242.9429

	ROG	NOx	CO	SO2	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					
2035	1.6108	1.5834	12.9244	0.0657	4.7952	0.0501	4.8453	1.2717	0.0472	1.3189	0.0000	4,227.911 2	4,227.911 2	0.1542	0.0000	4,231.149 0
Total	173.0088	880.8726	2,327.461 3	7.6071	449.8834	29.0549	478.5594	129.1188	26.9433	155.7137	0.0000	592,742.2 978	592,742.2 978	26.0395	0.0000	593,289.1 274

2.1 Overall Construction (Maximum Daily Emission)

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					
2017	4.9102	51.8447	40.5284	0.0417	7.4890	2.7560	10.2450	3.9525	2.5356	6.4880	0.0000	4,216.030 9	4,216.030 9	1.2377	0.0000	4,242.021 9
2018	5.3616	59.6258	43.4490	0.0646	2.6690	2.7900	5.4589	1.3607	2.5668	3.9275	0.0000	6,440.751 3	6,440.751 3	1.9456	0.0000	6,481.609 3
2019	4.9574	54.2822	41.3377	0.0646	2.6690	2.5068	5.1758	1.3607	2.3063	3.6670	0.0000	6,330.328 2	6,330.328 2	1.9443	0.0000	6,371.158 3
2020	14.2740	76.9766	192.8290	0.5193	29.1721	2.2638	31.3212	7.8378	2.0827	9.8392	0.0000	42,131.13 87	42,131.13 87	1.9435	0.0000	42,171.95 20
2021	13.5113	67.2818	184.1615	0.5197	29.1722	1.9161	31.0883	7.8379	1.7836	9.6215	0.0000	41,766.39 22	41,766.39 22	1.7810	0.0000	41,803.79 29
2022	12.8696	61.1019	176.2904	0.5195	29.1723	1.7576	30.9299	7.8379	1.6354	9.4733	0.0000	41,385.14 88	41,385.14 88	1.7347	0.0000	41,421.57 74
2023	12.0296	51.6866	167.9872	0.5186	29.1724	1.6383	30.8106	7.8379	1.5234	9.3613	0.0000	40,967.76 61	40,967.76 61	1.6775	0.0000	41,002.99 26
2024	11.5739	50.1970	162.2652	0.5211	29.1724	1.5547	30.7271	7.8379	1.4446	9.2825	0.0000	40,849.27 66	40,849.27 66	1.6502	0.0000	40,883.93 11
2025	11.1443	48.6894	157.1991	0.5211	29.1725	1.4730	30.6455	7.8379	1.3676	9.2056	0.0000	40,575.98 78	40,575.98 78	1.6172	0.0000	40,609.94 80
2026	10.7670	47.5085	152.5253	0.5210	29.1726	1.4426	30.6151	7.8379	1.3396	9.1776	0.0000	40,331.14 97	40,331.14 97	1.5868	0.0000	40,364.47 32
2027	10.5068	47.0137	148.7875	0.5210	29.1728	1.4449	30.6177	7.8380	1.3418	9.1798	0.0000	40,120.94 28	40,120.94 28	1.5631	0.0000	40,153.76 81

	ROG	NOx	CO	SO2	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					
2028	10.2529	46.5026	145.4778	0.5210	29.1730	1.4407	30.6138	7.8381	1.3380	9.1761	0.0000	39,938.6722	39,938.6722	1.5414	0.0000	39,971.0407
2029	10.0047	46.1269	142.1176	0.5210	29.1732	1.4419	30.6151	7.8382	1.3390	9.1772	0.0000	39,780.5137	39,780.5137	1.5205	0.0000	39,812.4446
2030	9.7085	41.2874	139.3229	0.5249	29.1733	1.0653	30.2386	7.8382	0.9935	8.8317	0.0000	39,982.6960	39,982.6960	1.0191	0.0000	40,004.0978
2031	9.5039	40.9877	136.8382	0.5256	29.1731	1.0623	30.2354	7.8381	0.9907	8.8288	0.0000	39,912.8163	39,912.8163	1.0042	0.0000	39,933.9048
2032	9.2819	40.7118	134.6554	0.5256	29.1730	1.0628	30.2358	7.8380	0.9912	8.8292	0.0000	39,814.0500	39,814.0500	0.9877	0.0000	39,834.7919
2033	9.0917	40.4553	132.8474	0.5256	29.1728	1.0632	30.2360	7.8379	0.9915	8.8295	0.0000	39,731.0890	39,731.0890	0.9734	0.0000	39,751.5312
2034	1.6487	7.0096	15.9174	0.0657	4.7952	0.3248	4.8559	1.2717	0.3247	1.3295	0.0000	4,239.6365	4,239.6365	0.1575	0.0000	4,242.9429
2035	1.6108	1.5834	12.9244	0.0657	4.7952	0.0501	4.8453	1.2717	0.0472	1.3189	0.0000	4,227.9112	4,227.9112	0.1542	0.0000	4,231.1490
Total	173.0088	880.8726	2,327.4613	7.6071	430.8348	29.0549	459.5109	118.9491	26.9433	145.5440	0.0000	592,742.2977	592,742.2977	26.0395	0.0000	593,289.1273

	ROG	NOx	CO	SO2	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	4.23	0.00	3.98	7.88	0.00	6.53	0.00	0.00	0.00	0.00	0.00	0.00

2.2 Overall Operational

Unmitigated Operational

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Area	102.7495	6.5000e-004	0.0722	1.0000e-005		2.6000e-004	2.6000e-004		2.6000e-004	2.6000e-004		0.1557	0.1557	4.0000e-004		0.1642
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	4.9721	12.1716	54.6547	0.2523	15.7366	0.3501	16.0866	4.2130	0.3230	4.5361		18,088.5063	18,088.5063	0.4702		18,098.3799
Total	107.7216	12.1723	54.7269	0.2523	15.7366	0.3503	16.0869	4.2130	0.3233	4.5363		18,088.6620	18,088.6620	0.4706	0.0000	18,098.5440

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	102.5962	6.5000e-004	0.0722	1.0000e-005		2.6000e-004	2.6000e-004		2.6000e-004	2.6000e-004		0.1557	0.1557	4.0000e-004		0.1642
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	4.8237	11.3024	51.1598	0.2293	14.2584	0.3199	14.5783	3.8173	0.2952	4.1125		16,440.4174	16,440.4174	0.4289		16,449.4248
Total	107.4198	11.3030	51.2320	0.2293	14.2584	0.3201	14.5785	3.8173	0.2954	4.1127		16,440.5731	16,440.5731	0.4293	0.0000	16,449.5889

	ROG	NOx	CO	SO2	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	0.28	7.14	6.39	9.11	9.39	8.62	9.38	9.39	8.62	9.34	0.00	9.11	9.11	8.77	0.00	9.11

3.0 Construction Detail

Construction Phase

Phase Number	Phase Name	Phase Type	Start Date	End Date	Num Days Week	Num Days	Phase Description
1	Site Preparation	Site Preparation	1/1/2017	10/6/2017	5	200	
2	Grading	Grading	10/7/2018	9/4/2020	5	500	
3	Building Construction	Building Construction	9/5/2020	4/29/2033	5	3300	
4	Paving	Paving	4/30/2033	3/3/2034	5	220	
5	Architectural Coating	Architectural Coating	3/4/2034	1/5/2035	5	220	

Acres of Grading (Site Preparation Phase): 117

Acres of Grading (Grading Phase): 117

Acres of Paving: 0

Residential Indoor: 0; Residential Outdoor: 0; Non-Residential Indoor: 60,375; Non-Residential Outdoor: 20,125 (Architectural Coating – sqft)

OffRoad Equipment

Phase Name	Offroad Equipment Type	Amount	Usage Hours	Horse Power	Load Factor
Site Preparation	Rubber Tired Dozers	3	8.00	255	0.40
Site Preparation	Tractors/Loaders/Backhoes	4	8.00	97	0.37
Grading	Excavators	2	8.00	162	0.38
Grading	Graders	1	8.00	174	0.41
Grading	Rubber Tired Dozers	1	8.00	255	0.40
Grading	Scrapers	2	8.00	361	0.48
Grading	Tractors/Loaders/Backhoes	2	8.00	97	0.37
Building Construction	Cranes	1	7.00	226	0.29
Building Construction	Forklifts	3	8.00	89	0.20
Building Construction	Generator Sets	1	8.00	84	0.74
Building Construction	Tractors/Loaders/Backhoes	3	7.00	97	0.37
Building Construction	Welders	1	8.00	46	0.45
Paving	Pavers	2	8.00	125	0.42
Paving	Paving Equipment	2	8.00	130	0.36
Paving	Rollers	2	8.00	80	0.38
Architectural Coating	Air Compressors	1	6.00	78	0.48

Trips and VMT

Phase Name	Offroad Equipment Count	Worker Trip Number	Vendor Trip Number	Hauling Trip Number	Worker Trip Length	Vendor Trip Length	Hauling Trip Length	Worker Vehicle Class	Vendor Vehicle Class	Hauling Vehicle Class
Site Preparation	7	18.00	0.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Grading	8	20.00	0.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Building Construction	9	2,143.00	836.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Paving	6	15.00	0.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Architectural Coating	1	429.00	0.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT

3.1 Mitigation Measures Construction

Water Exposed Area

Reduce Vehicle Speed on Unpaved Roads

3.2 Site Preparation - 2017**Unmitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					18.6867	0.0000	18.6867	9.9977	0.0000	9.9977			0.0000			0.0000
Off-Road	4.8382	51.7535	39.3970	0.0391		2.7542	2.7542		2.5339	2.5339		4,003.0859	4,003.0859	1.2265		4,028.8432
Total	4.8382	51.7535	39.3970	0.0391	18.6867	2.7542	21.4409	9.9977	2.5339	12.5316		4,003.0859	4,003.0859	1.2265		4,028.8432

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	0.0720	0.0913	1.1313	2.6200e-003	0.2012	1.8200e-003	0.2030	0.0534	1.6800e-003	0.0550		212.9450	212.9450	0.0111		213.1787
Total	0.0720	0.0913	1.1313	2.6200e-003	0.2012	1.8200e-003	0.2030	0.0534	1.6800e-003	0.0550		212.9450	212.9450	0.0111		213.1787

3.2 Site Preparation - 2017**Mitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					7.2878	0.0000	7.2878	3.8991	0.0000	3.8991			0.0000			0.0000
Off-Road	4.8382	51.7535	39.3970	0.0391		2.7542	2.7542		2.5339	2.5339	0.0000	4,003.0859	4,003.0859	1.2265		4,028.8432
Total	4.8382	51.7535	39.3970	0.0391	7.2878	2.7542	10.0420	3.8991	2.5339	6.4330	0.0000	4,003.0859	4,003.0859	1.2265		4,028.8432

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	0.0720	0.0913	1.1313	2.6200e-003	0.2012	1.8200e-003	0.2030	0.0534	1.6800e-003	0.0550		212.9450	212.9450	0.0111		213.1787
Total	0.0720	0.0913	1.1313	2.6200e-003	0.2012	1.8200e-003	0.2030	0.0534	1.6800e-003	0.0550		212.9450	212.9450	0.0111		213.1787

3.3 Grading - 2018**Unmitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					6.2702	0.0000	6.2702	3.3370	0.0000	3.3370			0.0000			0.0000
Off-Road	5.2895	59.5338	42.3068	0.0617		2.7880	2.7880		2.5650	2.5650		6,212.804 2	6,212.804 2	1.9341		6,253.420 9
Total	5.2895	59.5338	42.3068	0.0617	6.2702	2.7880	9.0583	3.3370	2.5650	5.9020		6,212.804 2	6,212.804 2	1.9341		6,253.420 9

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0721	0.0920	1.1422	2.9100e-003	0.2236	1.9600e-003	0.2255	0.0593	1.8100e-003	0.0611		227.9472	227.9472	0.0115		228.1884
Total	0.0721	0.0920	1.1422	2.9100e-003	0.2236	1.9600e-003	0.2255	0.0593	1.8100e-003	0.0611		227.9472	227.9472	0.0115		228.1884

3.3 Grading - 2018**Mitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					2.4454	0.0000	2.4454	1.3014	0.0000	1.3014			0.0000			0.0000
Off-Road	5.2895	59.5338	42.3068	0.0617		2.7880	2.7880		2.5650	2.5650	0.0000	6,212.804 1	6,212.804 1	1.9341		6,253.420 9
Total	5.2895	59.5338	42.3068	0.0617	2.4454	2.7880	5.2334	1.3014	2.5650	3.8664	0.0000	6,212.804 1	6,212.804 1	1.9341		6,253.420 9

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0721	0.0920	1.1422	2.9100e-003	0.2236	1.9600e-003	0.2255	0.0593	1.8100e-003	0.0611		227.9472	227.9472	0.0115		228.1884
Total	0.0721	0.0920	1.1422	2.9100e-003	0.2236	1.9600e-003	0.2255	0.0593	1.8100e-003	0.0611		227.9472	227.9472	0.0115		228.1884

3.3 Grading - 2019**Unmitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					6.2702	0.0000	6.2702	3.3370	0.0000	3.3370			0.0000			0.0000
Off-Road	4.8912	54.1978	40.2888	0.0617		2.5049	2.5049		2.3045	2.3045		6,111.312 1	6,111.312 1	1.9336		6,151.916 7
Total	4.8912	54.1978	40.2888	0.0617	6.2702	2.5049	8.7752	3.3370	2.3045	5.6416		6,111.312 1	6,111.312 1	1.9336		6,151.916 7

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	0.0662	0.0844	1.0489	2.8900e-003	0.2236	1.9100e-003	0.2255	0.0593	1.7700e-003	0.0611		219.0161	219.0161	0.0107		219.2416
Total	0.0662	0.0844	1.0489	2.8900e-003	0.2236	1.9100e-003	0.2255	0.0593	1.7700e-003	0.0611		219.0161	219.0161	0.0107		219.2416

3.3 Grading - 2019**Mitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					2.4454	0.0000	2.4454	1.3014	0.0000	1.3014			0.0000			0.0000
Off-Road	4.8912	54.1978	40.2888	0.0617		2.5049	2.5049		2.3045	2.3045	0.0000	6,111.312 1	6,111.312 1	1.9336		6,151.916 7
Total	4.8912	54.1978	40.2888	0.0617	2.4454	2.5049	4.9503	1.3014	2.3045	3.6060	0.0000	6,111.312 1	6,111.312 1	1.9336		6,151.916 7

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	0.0662	0.0844	1.0489	2.8900e-003	0.2236	1.9100e-003	0.2255	0.0593	1.7700e-003	0.0611		219.0161	219.0161	0.0107		219.2416
Total	0.0662	0.0844	1.0489	2.8900e-003	0.2236	1.9100e-003	0.2255	0.0593	1.7700e-003	0.0611		219.0161	219.0161	0.0107		219.2416

3.3 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					6.2702	0.0000	6.2702	3.3370	0.0000	3.3370			0.0000			0.0000
Off-Road	4.5501	49.3839	38.4257	0.0617		2.2619	2.2619		2.0810	2.0810		5,977.7088	5,977.7088	1.9333		6,018.3084
Total	4.5501	49.3839	38.4257	0.0617	6.2702	2.2619	8.5322	3.3370	2.0810	5.4180		5,977.7088	5,977.7088	1.9333		6,018.3084

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	0.0621	0.0782	0.9776	2.8900e-003	0.2236	1.8900e-003	0.2255	0.0593	1.7600e-003	0.0610		210.2239	210.2239	0.0102		210.4376
Total	0.0621	0.0782	0.9776	2.8900e-003	0.2236	1.8900e-003	0.2255	0.0593	1.7600e-003	0.0610		210.2239	210.2239	0.0102		210.4376

3.3 Grading - 2020**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					2.4454	0.0000	2.4454	1.3014	0.0000	1.3014			0.0000			0.0000
Off-Road	4.5501	49.3839	38.4257	0.0617		2.2619	2.2619		2.0810	2.0810	0.0000	5,977.7088	5,977.7088	1.9333		6,018.3084
Total	4.5501	49.3839	38.4257	0.0617	2.4454	2.2619	4.7073	1.3014	2.0810	3.3824	0.0000	5,977.7088	5,977.7088	1.9333		6,018.3084

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	0.0621	0.0782	0.9776	2.8900e-003	0.2236	1.8900e-003	0.2255	0.0593	1.7600e-003	0.0610		210.2239	210.2239	0.0102		210.4376
Total	0.0621	0.0782	0.9776	2.8900e-003	0.2236	1.8900e-003	0.2255	0.0593	1.7600e-003	0.0610		210.2239	210.2239	0.0102		210.4376

3.4 Building Construction - 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					
Off-Road	2.1113	19.0839	16.8084	0.0268		1.1128	1.1128		1.0465	1.0465		2,542.4799	2,542.4799	0.6194		2,555.4880
Total	2.1113	19.0839	16.8084	0.0268		1.1128	1.1128		1.0465	1.0465		2,542.4799	2,542.4799	0.6194		2,555.4880

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	5.5088	49.5100	71.2711	0.1823	5.2184	0.8335	6.0519	1.4852	0.7668	2.2520		17,063.1639	17,063.1639	0.1245		17,065.7793
Worker	6.6540	8.3827	104.7495	0.3102	23.9537	0.2028	24.1565	6.3526	0.1881	6.5407		22,525.4949	22,525.4949	1.0904		22,548.3931
Total	12.1628	57.8927	176.0206	0.4924	29.1721	1.0363	30.2084	7.8378	0.9549	8.7927		39,588.6588	39,588.6588	1.2149		39,614.1725

3.4 Building Construction - 2020

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	2.1113	19.0839	16.8084	0.0268		1.1128	1.1128		1.0465	1.0465	0.0000	2,542.4799	2,542.4799	0.6194		2,555.4880
Total	2.1113	19.0839	16.8084	0.0268		1.1128	1.1128		1.0465	1.0465	0.0000	2,542.4799	2,542.4799	0.6194		2,555.4880

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	5.5088	49.5100	71.2711	0.1823	5.2184	0.8335	6.0519	1.4852	0.7668	2.2520		17,063.1639	17,063.1639	0.1245		17,065.7793
Worker	6.6540	8.3827	104.7495	0.3102	23.9537	0.2028	24.1565	6.3526	0.1881	6.5407		22,525.4949	22,525.4949	1.0904		22,548.3931
Total	12.1628	57.8927	176.0206	0.4924	29.1721	1.0363	30.2084	7.8378	0.9549	8.7927		39,588.6588	39,588.6588	1.2149		39,614.1725

3.4 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	1.8931	17.3403	16.5376	0.0268		0.9549	0.9549		0.8979	0.8979		2,542.7817	2,542.7817	0.6126		2,555.6462
Total	1.8931	17.3403	16.5376	0.0268		0.9549	0.9549		0.8979	0.8979		2,542.7817	2,542.7817	0.6126		2,555.6462

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	5.3246	42.1142	69.2240	0.1821	5.2185	0.7590	5.9775	1.4852	0.6983	2.1835		17,050.1092	17,050.1092	0.1254		17,052.7416
Worker	6.2936	7.8273	98.3999	0.3108	23.9537	0.2022	24.1559	6.3526	0.1875	6.5401		22,173.5012	22,173.5012	1.0431		22,195.4052
Total	11.6182	49.9415	167.6239	0.4929	29.1722	0.9612	30.1334	7.8379	0.8858	8.7237		39,223.6104	39,223.6104	1.1684		39,248.1467

3.4 Building Construction - 2021**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	1.8931	17.3403	16.5376	0.0268		0.9549	0.9549		0.8979	0.8979	0.0000	2,542.7817	2,542.7817	0.6126		2,555,6462
Total	1.8931	17.3403	16.5376	0.0268		0.9549	0.9549		0.8979	0.8979	0.0000	2,542.7817	2,542.7817	0.6126		2,555,6462

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	5.3246	42.1142	69.2240	0.1821	5.2185	0.7590	5.9775	1.4852	0.6983	2.1835		17,050.1092	17,050.1092	0.1254		17,052.7416
Worker	6.2936	7.8273	98.3999	0.3108	23.9537	0.2022	24.1559	6.3526	0.1875	6.5401		22,173.5012	22,173.5012	1.0431		22,195.4052
Total	11.6182	49.9415	167.6239	0.4929	29.1722	0.9612	30.1334	7.8379	0.8858	8.7237		39,223.6104	39,223.6104	1.1684		39,248.1467

3.4 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	1.6992	15.5364	16.3276	0.0268		0.8057	0.8057		0.7581	0.7581		2,543.7497	2,543.7497	0.6085		2,556.5286
Total	1.6992	15.5364	16.3276	0.0268		0.8057	0.8057		0.7581	0.7581		2,543.7497	2,543.7497	0.6085		2,556.5286

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	5.2175	38.2373	67.5167	0.1819	5.2186	0.7507	5.9693	1.4853	0.6906	2.1759		17,036.0848	17,036.0848	0.1281		17,038.7743
Worker	5.9530	7.3282	92.4462	0.3107	23.9537	0.2012	24.1549	6.3526	0.1866	6.5393		21,805.3143	21,805.3143	0.9981		21,826.2744
Total	11.1704	45.5655	159.9628	0.4926	29.1723	0.9519	30.1242	7.8379	0.8773	8.7152		38,841.3991	38,841.3991	1.1262		38,865.0487

3.4 Building Construction - 2022

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	1.6992	15.5364	16.3276	0.0268		0.8057	0.8057		0.7581	0.7581	0.0000	2,543.7497	2,543.7497	0.6085		2,556.5286
Total	1.6992	15.5364	16.3276	0.0268		0.8057	0.8057		0.7581	0.7581	0.0000	2,543.7497	2,543.7497	0.6085		2,556.5286

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	5.2175	38.2373	67.5167	0.1819	5.2186	0.7507	5.9693	1.4853	0.6906	2.1759		17,036.0848	17,036.0848	0.1281		17,038.7743
Worker	5.9530	7.3282	92.4462	0.3107	23.9537	0.2012	24.1549	6.3526	0.1866	6.5393		21,805.3143	21,805.3143	0.9981		21,826.2744
Total	11.1704	45.5655	159.9628	0.4926	29.1723	0.9519	30.1242	7.8379	0.8773	8.7152		38,841.3991	38,841.3991	1.1262		38,865.0487

3.4 Building Construction - 2023

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	1.5661	14.3126	16.2093	0.0268		0.6967	0.6967		0.6557	0.6557		2,544.626 2	2,544.626 2	0.6044		2,557.319 1
Total	1.5661	14.3126	16.2093	0.0268		0.6967	0.6967		0.6557	0.6557		2,544.626 2	2,544.626 2	0.6044		2,557.319 1

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	4.8345	30.4927	64.8247	0.1811	5.2187	0.7412	5.9599	1.4853	0.6820	2.1672		16,955.93 63	16,955.93 63	0.1150		16,958.35 09
Worker	5.6290	6.8813	86.9533	0.3107	23.9537	0.2003	24.1540	6.3526	0.1858	6.5385		21,467.20 35	21,467.20 35	0.9581		21,487.32 27
Total	10.4635	37.3740	151.7779	0.4917	29.1724	0.9416	30.1139	7.8379	0.8678	8.7057		38,423.13 98	38,423.13 98	1.0730		38,445.67 36

3.4 Building Construction - 2023

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	1.5661	14.3126	16.2093	0.0268		0.6967	0.6967		0.6557	0.6557	0.0000	2,544.626 2	2,544.626 2	0.6044		2,557.319 1
Total	1.5661	14.3126	16.2093	0.0268		0.6967	0.6967		0.6557	0.6557	0.0000	2,544.626 2	2,544.626 2	0.6044		2,557.319 1

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	4.8345	30.4927	64.8247	0.1811	5.2187	0.7412	5.9599	1.4853	0.6820	2.1672		16,955.93 63	16,955.93 63	0.1150		16,958.35 09
Worker	5.6290	6.8813	86.9533	0.3107	23.9537	0.2003	24.1540	6.3526	0.1858	6.5385		21,467.20 35	21,467.20 35	0.9581		21,487.32 27
Total	10.4635	37.3740	151.7779	0.4917	29.1724	0.9416	30.1139	7.8379	0.8678	8.7057		38,423.13 98	38,423.13 98	1.0730		38,445.67 36

3.4 Building Construction - 2024**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	1.4653	13.3774	16.1332	0.0268		0.6106	0.6106		0.5744	0.5744		2,545.1154	2,545.1154	0.6009		2,557.7349
Total	1.4653	13.3774	16.1332	0.0268		0.6106	0.6106		0.5744	0.5744		2,545.1154	2,545.1154	0.6009		2,557.7349

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	4.7560	30.3134	63.4738	0.1814	5.2187	0.7420	5.9607	1.4853	0.6827	2.1679		16,993.2002	16,993.2002	0.1164		16,995.6447
Worker	5.3527	6.5062	82.6582	0.3128	23.9537	0.2021	24.1558	6.3526	0.1875	6.5402		21,310.9609	21,310.9609	0.9329		21,330.5515
Total	10.1086	36.8196	146.1320	0.4943	29.1724	0.9442	30.1166	7.8379	0.8702	8.7081		38,304.1611	38,304.1611	1.0493		38,326.1962

3.4 Building Construction - 2024

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	1.4653	13.3774	16.1332	0.0268		0.6106	0.6106		0.5744	0.5744	0.0000	2,545.1154	2,545.1154	0.6009		2,557.7349
Total	1.4653	13.3774	16.1332	0.0268		0.6106	0.6106		0.5744	0.5744	0.0000	2,545.1154	2,545.1154	0.6009		2,557.7349

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	4.7560	30.3134	63.4738	0.1814	5.2187	0.7420	5.9607	1.4853	0.6827	2.1679		16,993.2002	16,993.2002	0.1164		16,995.6447
Worker	5.3527	6.5062	82.6582	0.3128	23.9537	0.2021	24.1558	6.3526	0.1875	6.5402		21,310.9609	21,310.9609	0.9329		21,330.5515
Total	10.1086	36.8196	146.1320	0.4943	29.1724	0.9442	30.1166	7.8379	0.8702	8.7081		38,304.1611	38,304.1611	1.0493		38,326.1962

3.4 Building Construction - 2025

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	1.3615	12.4097	16.0518	0.0269		0.5250	0.5250		0.4939	0.4939		2,545.8905	2,545.8905	0.5975		2,558.4386
Total	1.3615	12.4097	16.0518	0.0269		0.5250	0.5250		0.4939	0.4939		2,545.8905	2,545.8905	0.5975		2,558.4386

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	4.6833	30.1079	62.4541	0.1814	5.2188	0.7458	5.9646	1.4853	0.6861	2.1714		16,994.0566	16,994.0566	0.1169		16,996.5108
Worker	5.0994	6.1718	78.6932	0.3128	23.9537	0.2022	24.1559	6.3526	0.1876	6.5402		21,036.0406	21,036.0406	0.9028		21,054.9987
Total	9.7828	36.2797	141.1473	0.4942	29.1725	0.9480	30.1205	7.8379	0.8737	8.7116		38,030.0972	38,030.0972	1.0196		38,051.5094

3.4 Building Construction - 2025

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	1.3615	12.4097	16.0518	0.0269		0.5250	0.5250		0.4939	0.4939	0.0000	2,545.8905	2,545.8905	0.5975		2,558.4386
Total	1.3615	12.4097	16.0518	0.0269		0.5250	0.5250		0.4939	0.4939	0.0000	2,545.8905	2,545.8905	0.5975		2,558.4386

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	4.6833	30.1079	62.4541	0.1814	5.2188	0.7458	5.9646	1.4853	0.6861	2.1714		16,994.0566	16,994.0566	0.1169		16,996.5108
Worker	5.0994	6.1718	78.6932	0.3128	23.9537	0.2022	24.1559	6.3526	0.1876	6.5402		21,036.0406	21,036.0406	0.9028		21,054.9987
Total	9.7828	36.2797	141.1473	0.4942	29.1725	0.9480	30.1205	7.8379	0.8737	8.7116		38,030.0972	38,030.0972	1.0196		38,051.5094

3.4 Building Construction - 2026

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	1.3615	12.4097	16.0518	0.0269		0.5250	0.5250		0.4939	0.4939		2,545.8905	2,545.8905	0.5975		2,558.4386
Total	1.3615	12.4097	16.0518	0.0269		0.5250	0.5250		0.4939	0.4939		2,545.8905	2,545.8905	0.5975		2,558.4386

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	4.5383	29.2182	61.2539	0.1814	5.2189	0.7145	5.9334	1.4853	0.6574	2.1427		16,990.5768	16,990.5768	0.1132		16,992.9538
Worker	4.8672	5.8806	75.2196	0.3128	23.9537	0.2030	24.1567	6.3526	0.1884	6.5410		20,794.6824	20,794.6824	0.8761		20,813.0808
Total	9.4055	35.0988	136.4735	0.4941	29.1726	0.9175	30.0901	7.8379	0.8457	8.6837		37,785.2592	37,785.2592	0.9893		37,806.0346

3.4 Building Construction - 2026**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	1.3615	12.4097	16.0518	0.0269		0.5250	0.5250		0.4939	0.4939	0.0000	2,545.8905	2,545.8905	0.5975		2,558.4386
Total	1.3615	12.4097	16.0518	0.0269		0.5250	0.5250		0.4939	0.4939	0.0000	2,545.8905	2,545.8905	0.5975		2,558.4386

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	4.5383	29.2182	61.2539	0.1814	5.2189	0.7145	5.9334	1.4853	0.6574	2.1427		16,990.5768	16,990.5768	0.1132		16,992.9538
Worker	4.8672	5.8806	75.2196	0.3128	23.9537	0.2030	24.1567	6.3526	0.1884	6.5410		20,794.6824	20,794.6824	0.8761		20,813.0808
Total	9.4055	35.0988	136.4735	0.4941	29.1726	0.9175	30.0901	7.8379	0.8457	8.6837		37,785.2592	37,785.2592	0.9893		37,806.0346

3.4 Building Construction - 2027

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	1.3615	12.4097	16.0518	0.0269		0.5250	0.5250		0.4939	0.4939		2,545.8905	2,545.8905	0.5975		2,558.4386
Total	1.3615	12.4097	16.0518	0.0269		0.5250	0.5250		0.4939	0.4939		2,545.8905	2,545.8905	0.5975		2,558.4386

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	4.4960	28.9860	60.6287	0.1814	5.2191	0.7164	5.9355	1.4854	0.6591	2.1445		16,991.8478	16,991.8478	0.1134		16,994.2300
Worker	4.6493	5.6180	72.1070	0.3128	23.9537	0.2035	24.1572	6.3526	0.1888	6.5415		20,583.2045	20,583.2045	0.8522		20,601.0996
Total	9.1453	34.6040	132.7358	0.4941	29.1728	0.9199	30.0927	7.8380	0.8479	8.6859		37,575.0522	37,575.0522	0.9656		37,595.3295

3.4 Building Construction - 2027**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	1.3615	12.4097	16.0518	0.0269		0.5250	0.5250		0.4939	0.4939	0.0000	2,545.8905	2,545.8905	0.5975		2,558.4386
Total	1.3615	12.4097	16.0518	0.0269		0.5250	0.5250		0.4939	0.4939	0.0000	2,545.8905	2,545.8905	0.5975		2,558.4386

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	4.4960	28.9860	60.6287	0.1814	5.2191	0.7164	5.9355	1.4854	0.6591	2.1445		16,991.8478	16,991.8478	0.1134		16,994.2300
Worker	4.6493	5.6180	72.1070	0.3128	23.9537	0.2035	24.1572	6.3526	0.1888	6.5415		20,583.2045	20,583.2045	0.8522		20,601.0996
Total	9.1453	34.6040	132.7358	0.4941	29.1728	0.9199	30.0927	7.8380	0.8479	8.6859		37,575.0522	37,575.0522	0.9656		37,595.3295

3.4 Building Construction - 2028**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	1.3615	12.4097	16.0518	0.0269		0.5250	0.5250		0.4939	0.4939		2,545.8905	2,545.8905	0.5975		2,558.4386
Total	1.3615	12.4097	16.0518	0.0269		0.5250	0.5250		0.4939	0.4939		2,545.8905	2,545.8905	0.5975		2,558.4386

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	4.4403	28.7114	60.0317	0.1814	5.2193	0.7117	5.9310	1.4855	0.6548	2.1403		16,992.0794	16,992.0794	0.1129		16,994.4504
Worker	4.4512	5.3815	69.3943	0.3128	23.9537	0.2040	24.1577	6.3526	0.1893	6.5419		20,400.7024	20,400.7024	0.8309		20,418.1518
Total	8.8914	34.0929	129.4260	0.4941	29.1730	0.9157	30.0887	7.8381	0.8441	8.6822		37,392.7817	37,392.7817	0.9438		37,412.6022

3.4 Building Construction - 2028

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	1.3615	12.4097	16.0518	0.0269		0.5250	0.5250		0.4939	0.4939	0.0000	2,545.8905	2,545.8905	0.5975		2,558.4386
Total	1.3615	12.4097	16.0518	0.0269		0.5250	0.5250		0.4939	0.4939	0.0000	2,545.8905	2,545.8905	0.5975		2,558.4386

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	4.4403	28.7114	60.0317	0.1814	5.2193	0.7117	5.9310	1.4855	0.6548	2.1403		16,992.0794	16,992.0794	0.1129		16,994.4504
Worker	4.4512	5.3815	69.3943	0.3128	23.9537	0.2040	24.1577	6.3526	0.1893	6.5419		20,400.7024	20,400.7024	0.8309		20,418.1518
Total	8.8914	34.0929	129.4260	0.4941	29.1730	0.9157	30.0887	7.8381	0.8441	8.6822		37,392.7817	37,392.7817	0.9438		37,412.6022

3.4 Building Construction - 2029

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	1.3615	12.4097	16.0518	0.0269		0.5250	0.5250		0.4939	0.4939		2,545.8905	2,545.8905	0.5975		2,558.4386
Total	1.3615	12.4097	16.0518	0.0269		0.5250	0.5250		0.4939	0.4939		2,545.8905	2,545.8905	0.5975		2,558.4386

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	4.3940	28.5720	59.3883	0.1813	5.2195	0.7128	5.9323	1.4855	0.6557	2.1413		16,992.6960	16,992.6960	0.1131		16,995.0700
Worker	4.2492	5.1453	66.6775	0.3128	23.9537	0.2041	24.1578	6.3526	0.1894	6.5420		20,241.9272	20,241.9272	0.8100		20,258.9360
Total	8.6432	33.7172	126.0658	0.4941	29.1732	0.9169	30.0900	7.8382	0.8451	8.6833		37,234.6232	37,234.6232	0.9230		37,254.0060

3.4 Building Construction - 2029

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	1.3615	12.4097	16.0518	0.0269		0.5250	0.5250		0.4939	0.4939	0.0000	2,545.8905	2,545.8905	0.5975		2,558.4386
Total	1.3615	12.4097	16.0518	0.0269		0.5250	0.5250		0.4939	0.4939	0.0000	2,545.8905	2,545.8905	0.5975		2,558.4386

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	4.3940	28.5720	59.3883	0.1813	5.2195	0.7128	5.9323	1.4855	0.6557	2.1413		16,992.6960	16,992.6960	0.1131		16,995.0700
Worker	4.2492	5.1453	66.6775	0.3128	23.9537	0.2041	24.1578	6.3526	0.1894	6.5420		20,241.9272	20,241.9272	0.8100		20,258.9360
Total	8.6432	33.7172	126.0658	0.4941	29.1732	0.9169	30.0900	7.8382	0.8451	8.6833		37,234.6232	37,234.6232	0.9230		37,254.0060

3.4 Building Construction - 2030**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	1.3041	7.9179	16.1313	0.0308		0.1476	0.1476		0.1476	0.1476		2,884.8300	2,884.8300	0.1158		2,887.2617
Total	1.3041	7.9179	16.1313	0.0308		0.1476	0.1476		0.1476	0.1476		2,884.8300	2,884.8300	0.1158		2,887.2617

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	4.3491	28.4493	58.9378	0.1813	5.2196	0.7139	5.9335	1.4856	0.6568	2.1423		16,992.8831	16,992.8831	0.1132		16,995.2599
Worker	4.0553	4.9202	64.2537	0.3128	23.9537	0.2038	24.1575	6.3526	0.1891	6.5418		20,104.9830	20,104.9830	0.7902		20,121.5761
Total	8.4043	33.3695	123.1916	0.4941	29.1733	0.9177	30.0910	7.8382	0.8459	8.6841		37,097.8660	37,097.8660	0.9033		37,116.8361

3.4 Building Construction - 2030

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	1.3041	7.9179	16.1313	0.0308		0.1476	0.1476		0.1476	0.1476	0.0000	2,884.8300	2,884.8300	0.1158		2,887.2617
Total	1.3041	7.9179	16.1313	0.0308		0.1476	0.1476		0.1476	0.1476	0.0000	2,884.8300	2,884.8300	0.1158		2,887.2617

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	4.3491	28.4493	58.9378	0.1813	5.2196	0.7139	5.9335	1.4856	0.6568	2.1423		16,992.8831	16,992.8831	0.1132		16,995.2599
Worker	4.0553	4.9202	64.2537	0.3128	23.9537	0.2038	24.1575	6.3526	0.1891	6.5418		20,104.9830	20,104.9830	0.7902		20,121.5761
Total	8.4043	33.3695	123.1916	0.4941	29.1733	0.9177	30.0910	7.8382	0.8459	8.6841		37,097.8660	37,097.8660	0.9033		37,116.8361

3.4 Building Construction - 2031**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	1.3041	7.9179	16.1313	0.0308		0.1476	0.1476		0.1476	0.1476		2,884.8300	2,884.8300	0.1158		2,887.2617
Total	1.3041	7.9179	16.1313	0.0308		0.1476	0.1476		0.1476	0.1476		2,884.8300	2,884.8300	0.1158		2,887.2617

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	4.3318	28.3638	58.6145	0.1814	5.2194	0.7107	5.9301	1.4855	0.6539	2.1393		17,001.8827	17,001.8827	0.1139		17,004.2738
Worker	3.8680	4.7060	62.0924	0.3134	23.9537	0.2040	24.1577	6.3526	0.1893	6.5419		20,026.1036	20,026.1036	0.7746		20,042.3693
Total	8.1998	33.0698	120.7069	0.4948	29.1731	0.9147	30.0878	7.8381	0.8431	8.6812		37,027.9863	37,027.9863	0.8884		37,046.6431

3.4 Building Construction - 2031**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	1.3041	7.9179	16.1313	0.0308		0.1476	0.1476		0.1476	0.1476	0.0000	2,884.8300	2,884.8300	0.1158		2,887.2617
Total	1.3041	7.9179	16.1313	0.0308		0.1476	0.1476		0.1476	0.1476	0.0000	2,884.8300	2,884.8300	0.1158		2,887.2617

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	4.3318	28.3638	58.6145	0.1814	5.2194	0.7107	5.9301	1.4855	0.6539	2.1393		17,001.8827	17,001.8827	0.1139		17,004.2738
Worker	3.8680	4.7060	62.0924	0.3134	23.9537	0.2040	24.1577	6.3526	0.1893	6.5419		20,026.1036	20,026.1036	0.7746		20,042.3693
Total	8.1998	33.0698	120.7069	0.4948	29.1731	0.9147	30.0878	7.8381	0.8431	8.6812		37,027.9863	37,027.9863	0.8884		37,046.6431

3.4 Building Construction - 2032

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	1.3041	7.9179	16.1313	0.0308		0.1476	0.1476		0.1476	0.1476		2,884.8300	2,884.8300	0.1158		2,887.2617
Total	1.3041	7.9179	16.1313	0.0308		0.1476	0.1476		0.1476	0.1476		2,884.8300	2,884.8300	0.1158		2,887.2617

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	4.3092	28.2786	58.4046	0.1814	5.2193	0.7119	5.9312	1.4854	0.6550	2.1404		17,002.4930	17,002.4930	0.1140		17,004.8872
Worker	3.6685	4.5153	60.1195	0.3134	23.9537	0.2033	24.1570	6.3526	0.1886	6.5412		19,926.7271	19,926.7271	0.7579		19,942.6430
Total	7.9778	32.7939	118.5241	0.4948	29.1730	0.9152	30.0882	7.8380	0.8436	8.6816		36,929.2200	36,929.2200	0.8719		36,947.5302

3.4 Building Construction - 2032

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	1.3041	7.9179	16.1313	0.0308		0.1476	0.1476		0.1476	0.1476	0.0000	2,884.8300	2,884.8300	0.1158		2,887.2617
Total	1.3041	7.9179	16.1313	0.0308		0.1476	0.1476		0.1476	0.1476	0.0000	2,884.8300	2,884.8300	0.1158		2,887.2617

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	4.3092	28.2786	58.4046	0.1814	5.2193	0.7119	5.9312	1.4854	0.6550	2.1404		17,002.4930	17,002.4930	0.1140		17,004.8872
Worker	3.6685	4.5153	60.1195	0.3134	23.9537	0.2033	24.1570	6.3526	0.1886	6.5412		19,926.7271	19,926.7271	0.7579		19,942.6430
Total	7.9778	32.7939	118.5241	0.4948	29.1730	0.9152	30.0882	7.8380	0.8436	8.6816		36,929.2200	36,929.2200	0.8719		36,947.5302

3.4 Building Construction - 2033

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	1.3041	7.9179	16.1313	0.0308		0.1476	0.1476		0.1476	0.1476		2,884.8300	2,884.8300	0.1158		2,887.2617
Total	1.3041	7.9179	16.1313	0.0308		0.1476	0.1476		0.1476	0.1476		2,884.8300	2,884.8300	0.1158		2,887.2617

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	4.2886	28.1834	58.2263	0.1814	5.2191	0.7130	5.9321	1.4853	0.6560	2.1413		17,002.6082	17,002.6082	0.1142		17,005.0053
Worker	3.4991	4.3540	58.4897	0.3134	23.9537	0.2026	24.1563	6.3526	0.1880	6.5406		19,843.6508	19,843.6508	0.7435		19,859.2641
Total	7.7876	32.5374	116.7161	0.4948	29.1728	0.9156	30.0884	7.8379	0.8439	8.6819		36,846.2591	36,846.2591	0.8576		36,864.2695

3.4 Building Construction - 2033

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	1.3041	7.9179	16.1313	0.0308		0.1476	0.1476		0.1476	0.1476	0.0000	2,884.8300	2,884.8300	0.1158		2,887.2617
Total	1.3041	7.9179	16.1313	0.0308		0.1476	0.1476		0.1476	0.1476	0.0000	2,884.8300	2,884.8300	0.1158		2,887.2617

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	4.2886	28.1834	58.2263	0.1814	5.2191	0.7130	5.9321	1.4853	0.6560	2.1413		17,002.6082	17,002.6082	0.1142		17,005.0053
Worker	3.4991	4.3540	58.4897	0.3134	23.9537	0.2026	24.1563	6.3526	0.1880	6.5406		19,843.6508	19,843.6508	0.7435		19,859.2641
Total	7.7876	32.5374	116.7161	0.4948	29.1728	0.9156	30.0884	7.8379	0.8439	8.6819		36,846.2591	36,846.2591	0.8576		36,864.2695

3.5 Paving - 2033**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	1.3549	6.9800	15.5192	0.0275		0.3234	0.3234		0.3234	0.3234		2,599.9866	2,599.9866	0.1219		2,602.5460
Paving	0.0643					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Total	1.4192	6.9800	15.5192	0.0275		0.3234	0.3234		0.3234	0.3234		2,599.9866	2,599.9866	0.1219		2,602.5460

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	0.0245	0.0305	0.4094	2.1900e-003	0.1677	1.4200e-003	0.1691	0.0445	1.3200e-003	0.0458		138.8963	138.8963	5.2000e-003		139.0056
Total	0.0245	0.0305	0.4094	2.1900e-003	0.1677	1.4200e-003	0.1691	0.0445	1.3200e-003	0.0458		138.8963	138.8963	5.2000e-003		139.0056

3.5 Paving - 2033**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	1.3549	6.9800	15.5192	0.0275		0.3234	0.3234		0.3234	0.3234	0.0000	2,599.9866	2,599.9866	0.1219		2,602.5460
Paving	0.0643					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Total	1.4192	6.9800	15.5192	0.0275		0.3234	0.3234		0.3234	0.3234	0.0000	2,599.9866	2,599.9866	0.1219		2,602.5460

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	0.0245	0.0305	0.4094	2.1900e-003	0.1677	1.4200e-003	0.1691	0.0445	1.3200e-003	0.0458		138.8963	138.8963	5.2000e-003		139.0056
Total	0.0245	0.0305	0.4094	2.1900e-003	0.1677	1.4200e-003	0.1691	0.0445	1.3200e-003	0.0458		138.8963	138.8963	5.2000e-003		139.0056

3.5 Paving - 2034**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	1.3549	6.9800	15.5192	0.0275		0.3234	0.3234		0.3234	0.3234		2,599.9866	2,599.9866	0.1219		2,602.5460
Paving	0.0643					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Total	1.4192	6.9800	15.5192	0.0275		0.3234	0.3234		0.3234	0.3234		2,599.9866	2,599.9866	0.1219		2,602.5460

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	0.0234	0.0295	0.3982	2.1900e-003	0.1677	1.4100e-003	0.1691	0.0445	1.3100e-003	0.0458		138.3982	138.3982	5.1100e-003		138.5054
Total	0.0234	0.0295	0.3982	2.1900e-003	0.1677	1.4100e-003	0.1691	0.0445	1.3100e-003	0.0458		138.3982	138.3982	5.1100e-003		138.5054

3.5 Paving - 2034**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	1.3549	6.9800	15.5192	0.0275		0.3234	0.3234		0.3234	0.3234	0.0000	2,599.9866	2,599.9866	0.1219		2,602.5460
Paving	0.0643					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Total	1.4192	6.9800	15.5192	0.0275		0.3234	0.3234		0.3234	0.3234	0.0000	2,599.9866	2,599.9866	0.1219		2,602.5460

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	0.0234	0.0295	0.3982	2.1900e-003	0.1677	1.4100e-003	0.1691	0.0445	1.3100e-003	0.0458		138.3982	138.3982	5.1100e-003		138.5054
Total	0.0234	0.0295	0.3982	2.1900e-003	0.1677	1.4100e-003	0.1691	0.0445	1.3100e-003	0.0458		138.3982	138.3982	5.1100e-003		138.5054

3.6 Architectural Coating - 2034

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	0.8480					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Off-Road	0.1308	0.8563	1.7977	2.9700e-003		0.0203	0.0203		0.0203	0.0203		281.4481	281.4481	0.0114		281.6873
Total	0.9787	0.8563	1.7977	2.9700e-003		0.0203	0.0203		0.0203	0.0203		281.4481	281.4481	0.0114		281.6873

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	0.6700	0.8448	11.3876	0.0627	4.7952	0.0404	4.8356	1.2717	0.0375	1.3092		3,958.1884	3,958.1884	0.1461		3,961.2557
Total	0.6700	0.8448	11.3876	0.0627	4.7952	0.0404	4.8356	1.2717	0.0375	1.3092		3,958.1884	3,958.1884	0.1461		3,961.2557

3.6 Architectural Coating - 2034

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	0.8480					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Off-Road	0.1308	0.8563	1.7977	2.9700e-003		0.0203	0.0203		0.0203	0.0203	0.0000	281.4481	281.4481	0.0114		281.6873
Total	0.9787	0.8563	1.7977	2.9700e-003		0.0203	0.0203		0.0203	0.0203	0.0000	281.4481	281.4481	0.0114		281.6873

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	0.6700	0.8448	11.3876	0.0627	4.7952	0.0404	4.8356	1.2717	0.0375	1.3092		3,958.1884	3,958.1884	0.1461		3,961.2557
Total	0.6700	0.8448	11.3876	0.0627	4.7952	0.0404	4.8356	1.2717	0.0375	1.3092		3,958.1884	3,958.1884	0.1461		3,961.2557

3.6 Architectural Coating - 2035**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	0.8480					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Off-Road	0.1179	0.7577	1.7943	2.9700e-003		9.9000e-003	9.9000e-003		9.9000e-003	9.9000e-003		281.4481	281.4481	0.0104		281.6665
Total	0.9659	0.7577	1.7943	2.9700e-003		9.9000e-003	9.9000e-003		9.9000e-003	9.9000e-003		281.4481	281.4481	0.0104		281.6665

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	0.6450	0.8256	11.1302	0.0627	4.7952	0.0402	4.8354	1.2717	0.0373	1.3090		3,946.4632	3,946.4632	0.1438		3,949.4826
Total	0.6450	0.8256	11.1302	0.0627	4.7952	0.0402	4.8354	1.2717	0.0373	1.3090		3,946.4632	3,946.4632	0.1438		3,949.4826

3.6 Architectural Coating - 2035

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	0.8480					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Off-Road	0.1179	0.7577	1.7943	2.9700e-003		9.9000e-003	9.9000e-003		9.9000e-003	9.9000e-003	0.0000	281.4481	281.4481	0.0104		281.6665
Total	0.9659	0.7577	1.7943	2.9700e-003		9.9000e-003	9.9000e-003		9.9000e-003	9.9000e-003	0.0000	281.4481	281.4481	0.0104		281.6665

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	0.6450	0.8256	11.1302	0.0627	4.7952	0.0402	4.8354	1.2717	0.0373	1.3090		3,946.4632	3,946.4632	0.1438		3,949.4826
Total	0.6450	0.8256	11.1302	0.0627	4.7952	0.0402	4.8354	1.2717	0.0373	1.3090		3,946.4632	3,946.4632	0.1438		3,949.4826

4.0 Operational Detail - Mobile

4.1 Mitigation Measures Mobile

Increase Transit Accessibility

Improve Pedestrian Network

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 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	4.8237	11.3024	51.1598	0.2293	14.2584	0.3199	14.5783	3.8173	0.2952	4.1125		16,440.4174	16,440.4174	0.4289		16,449.4248
Unmitigated	4.9721	12.1716	54.6547	0.2523	15.7366	0.3501	16.0866	4.2130	0.3230	4.5361		18,088.5063	18,088.5063	0.4702		18,098.3799

4.2 Trip Summary Information

Land Use	Average Daily Trip Rate			Unmitigated	Mitigated
	Weekday	Saturday	Sunday	Annual VMT	Annual VMT
City Park	2,566.80	2,566.80	2566.80	7,386,070	6,692,273
Parking Lot	0.00	0.00	0.00		
Total	2,566.80	2,566.80	2,566.80	7,386,070	6,692,273

4.3 Trip Type Information

Land Use	Miles			Trip %			Trip Purpose %		
	H-W or C-W	H-S or C-C	H-O or C-NW	H-W or C-W	H-S or C-C	H-O or C-NW	Primary	Diverted	Pass-by
City Park	16.60	8.40	6.90	33.00	48.00	19.00	66	28	6
Parking Lot	16.60	8.40	6.90	0.00	0.00	0.00	0	0	0

LDA	LDT1	LDT2	MDV	LHD1	LHD2	MHD	HHD	OBUS	UBUS	MCY	SBUS	MH
0.491908	0.059855	0.185077	0.131229	0.044940	0.007356	0.019164	0.046757	0.003019	0.003347	0.004084	0.000506	0.002760

5.0 Energy Detail

5.1 Fleet Mix

Historical Energy Use: N

5.1 Mitigation Measures Energy

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
NaturalGas Mitigated	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
NaturalGas Unmitigated	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000

5.2 Energy by Land Use - NaturalGas

Unmitigated

	NaturalGas Use	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Land Use	kBTU/yr	lb/day										lb/day					
Parking Lot	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
City Park	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Total		0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000

Mitigated

	NaturalGas Use	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Land Use	kBTU/yr	lb/day										lb/day					
City Park	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Parking Lot	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Total		0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000

6.0 Area Detail

6.1 Mitigation Measures Area

Use Low VOC Paint - Non-Residential Interior

Use Low VOC Paint - Non-Residential Exterior

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 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	102.5962	6.5000e-004	0.0722	1.0000e-005		2.6000e-004	2.6000e-004		2.6000e-004	2.6000e-004		0.1557	0.1557	4.0000e-004		0.1642
Unmitigated	102.7495	6.5000e-004	0.0722	1.0000e-005		2.6000e-004	2.6000e-004		2.6000e-004	2.6000e-004		0.1557	0.1557	4.0000e-004		0.1642

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	1.7373					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Consumer Products	101.0057					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Landscaping	6.6100e-003	6.5000e-004	0.0722	1.0000e-005		2.6000e-004	2.6000e-004		2.6000e-004	2.6000e-004		0.1557	0.1557	4.0000e-004		0.1642
Total	102.7495	6.5000e-004	0.0722	1.0000e-005		2.6000e-004	2.6000e-004		2.6000e-004	2.6000e-004		0.1557	0.1557	4.0000e-004		0.1642

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	1.5839					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Consumer Products	101.0057					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Landscaping	6.6100e-003	6.5000e-004	0.0722	1.0000e-005		2.6000e-004	2.6000e-004		2.6000e-004	2.6000e-004		0.1557	0.1557	4.0000e-004		0.1642
Total	102.5962	6.5000e-004	0.0722	1.0000e-005		2.6000e-004	2.6000e-004		2.6000e-004	2.6000e-004		0.1557	0.1557	4.0000e-004		0.1642

7.0 Water Detail

7.1 Mitigation Measures Water

Apply Water Conservation Strategy

8.0 Waste Detail

8.1 Mitigation Measures Waste

Institute Recycling and Composting Services

9.0 Operational Offroad

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

10.0 Vegetation

JN 6351a Puente Hills Landfill Park High Build Alternative
Los Angeles-South Coast County, Winter

1.0 Project Characteristics

1.1 Land Usage

Land Uses	Size	Metric	Lot Acreage	Floor Surface Area	Population
Parking Lot	600.00	Space	5.40	240,000.00	0
City Park	111.60	Acre	111.60	4,861,296.00	0

1.2 Other Project Characteristics

Urbanization	Urban	Wind Speed (m/s)	2.2	Precipitation Freq (Days)	33
Climate Zone	9			Operational Year	2035
Utility Company	Southern California Edison				
CO2 Intensity (lb/MWhr)	630.89	CH4 Intensity (lb/MWhr)	0.029	N2O Intensity (lb/MWhr)	0.006

1.3 User Entered Comments & Non-Default Data

Project Characteristics -

Land Use - Designated as 117-acre "regional park" in the TIA. 600 parking spaces total.

Construction Phase - Construction starts no earlier than 2017. Full buildout in 2035.

Grading - Site is 117 acres of improvements

Architectural Coating - SCAQMD Rule 1113 limits paints to 50g/L VOC. Approx 40,250 SF of onsite buildings/structures to be painted only; 60,375 SF interior; 20,125 SF exterior.

Vehicle Trips - Trip gen rate from TIA. 23 trips per acre.

Area Coating - SCAQMD Rule 1113 limits paints to 50g/L VOC. Approx 40,250 SF of onsite buildings/structures to be painted only; 60,375 SF interior; 20,125 SF exterior.

Construction Off-road Equipment Mitigation -

Mobile Land Use Mitigation - Paths and trails onsite, connecting off-site. Bus stop 0.6 miles from park entrance.

Area Mitigation - SCAQMD Rule 1113 limits paints to 50g/L VOC.

Water Mitigation - Drought-tolerant plants used in landscaping. 20% reduction in water use per CalGreen requirements.

Waste Mitigation - Recycling 75% per AB 341

Table Name	Column Name	Default Value	New Value
tblArchitecturalCoating	ConstArea_Nonresidential_Exterior	2,434,248.00	20,125.00
tblArchitecturalCoating	ConstArea_Nonresidential_Interior	7,302,744.00	60,375.00
tblArchitecturalCoating	EF_Nonresidential_Exterior	250.00	50.00
tblArchitecturalCoating	EF_Nonresidential_Interior	250.00	50.00
tblAreaCoating	Area_EF_Nonresidential_Exterior	250	50
tblAreaCoating	Area_Nonresidential_Interior	7302750	60375
tblAreaMitigation	UseLowVOCPaintNonresidentialInteriorValue	250	50
tblConstructionPhase	NumDays	3,100.00	3,300.00
tblConstructionPhase	NumDays	310.00	500.00
tblConstructionPhase	NumDays	120.00	200.00
tblConstructionPhase	PhaseEndDate	9/6/2019	9/4/2020
tblConstructionPhase	PhaseStartDate	10/7/2017	10/7/2018
tblGrading	AcresOfGrading	1,250.00	117.00
tblGrading	AcresOfGrading	0.00	117.00
tblProjectCharacteristics	OperationalYear	2014	2035
tblVehicleTrips	ST_TR	1.59	23.00
tblVehicleTrips	SU_TR	1.59	23.00
tblVehicleTrips	WD_TR	1.59	23.00

2.0 Emissions Summary

2.1 Overall Construction (Maximum Daily Emission)

Unmitigated Construction

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Year	lb/day										lb/day					
2017	4.9130	51.8547	40.4550	0.0416	18.8879	2.7560	21.6439	10.0510	2.5356	12.5866	0.0000	4,204.062 3	4,204.062 3	1.2377	0.0000	4,230.053 3
2018	5.3642	59.6358	43.3703	0.0645	6.4938	2.7900	9.2838	3.3963	2.5668	5.9631	0.0000	6,427.922 5	6,427.922 5	1.9456	0.0000	6,468.780 5
2019	4.9597	54.2914	41.2626	0.0644	6.4938	2.5068	9.0006	3.3963	2.3063	5.7026	0.0000	6,317.988 5	6,317.988 5	1.9443	0.0000	6,358.818 6
2020	15.0034	79.0198	202.9180	0.5003	29.1721	2.2638	31.3284	7.8378	2.0827	9.8458	0.0000	40,717.05 76	40,717.05 76	1.9435	0.0000	40,757.87 09
2021	14.1962	69.0946	194.4199	0.5007	29.1722	1.9221	31.0943	7.8379	1.7892	9.6271	0.0000	40,370.38 38	40,370.38 38	1.7854	0.0000	40,407.87 75
2022	13.5191	62.7709	186.4124	0.5004	29.1723	1.7636	30.9358	7.8379	1.6409	9.4788	0.0000	40,008.44 89	40,008.44 89	1.7393	0.0000	40,044.97 40
2023	12.6531	53.0051	178.0517	0.4995	29.1724	1.6441	30.8165	7.8379	1.5288	9.3667	0.0000	39,608.48 12	39,608.48 12	1.6821	0.0000	39,643.80 44
2024	12.1680	51.4602	172.1187	0.5019	29.1724	1.5605	30.7329	7.8379	1.4499	9.2878	0.0000	39,495.42 93	39,495.42 93	1.6548	0.0000	39,530.18 05
2025	11.7160	49.9034	166.9862	0.5018	29.1725	1.4788	30.6513	7.8379	1.3730	9.2109	0.0000	39,236.22 06	39,236.22 06	1.6218	0.0000	39,270.27 77
2026	11.3204	48.6532	162.2968	0.5017	29.1726	1.4483	30.6209	7.8379	1.3450	9.1829	0.0000	39,003.69 79	39,003.69 79	1.5915	0.0000	39,037.11 84
2027	11.0454	48.1180	158.5737	0.5017	29.1728	1.4507	30.6234	7.8380	1.3471	9.1851	0.0000	38,804.16 42	38,804.16 42	1.5677	0.0000	38,837.08 66
2028	10.7786	47.5684	155.2951	0.5017	29.1730	1.4465	30.6195	7.8381	1.3433	9.1814	0.0000	38,631.03 52	38,631.03 52	1.5460	0.0000	38,663.50 09
2029	10.5170	47.1595	151.9053	0.5017	29.1732	1.4476	30.6208	7.8382	1.3443	9.1825	0.0000	38,480.57 28	38,480.57 28	1.5252	0.0000	38,512.60 09
2030	10.2118	42.2886	149.1672	0.5056	29.1733	1.0710	30.2443	7.8382	0.9988	8.8370	0.0000	38,689.25 75	38,689.25 75	1.0238	0.0000	38,710.75 67
2031	9.9976	41.9602	146.7499	0.5063	29.1731	1.0680	30.2411	7.8381	0.9960	8.8341	0.0000	38,622.11 78	38,622.11 78	1.0089	0.0000	38,643.30 37
2032	9.7623	41.6591	144.6617	0.5063	29.1730	1.0685	30.2415	7.8380	0.9965	8.8345	0.0000	38,528.07 44	38,528.07 44	0.9924	0.0000	38,548.91 38
2033	9.5611	41.3804	142.9327	0.5063	29.1728	1.0689	30.2417	7.8379	0.9968	8.8347	0.0000	38,449.13 49	38,449.13 49	0.9781	0.0000	38,469.67 46
2034	1.6723	7.0126	15.8818	0.0621	4.7952	0.3248	4.8559	1.2717	0.3247	1.3295	0.0000	4,012.413 2	4,012.413 2	0.1575	0.0000	4,015.719 6

	ROG	NOx	CO	SO2	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					
2035	1.6335	1.6677	11.9237	0.0621	4.7952	0.0501	4.8453	1.2717	0.0472	1.3189	0.0000	4,001.2826	4,001.2826	0.1542	0.0000	4,004.5204
Total	180.9925	898.5035	2,465.3824	7.3304	449.8834	29.1302	478.6419	129.1188	27.0126	155.7896	0.0000	573,607.7450	573,607.7450	26.0994	0.0000	574,155.8327

2.1 Overall Construction (Maximum Daily Emission)

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					
2017	4.9130	51.8547	40.4550	0.0416	7.4890	2.7560	10.2450	3.9525	2.5356	6.4880	0.0000	4,204.0623	4,204.0623	1.2377	0.0000	4,230.0533
2018	5.3642	59.6358	43.3703	0.0645	2.6690	2.7900	5.4589	1.3607	2.5668	3.9275	0.0000	6,427.9225	6,427.9225	1.9456	0.0000	6,468.7805
2019	4.9597	54.2914	41.2626	0.0644	2.6690	2.5068	5.1758	1.3607	2.3063	3.6670	0.0000	6,317.9884	6,317.9884	1.9443	0.0000	6,358.8185
2020	15.0034	79.0198	202.9180	0.5003	29.1721	2.2638	31.3284	7.8378	2.0827	9.8458	0.0000	40,717.0576	40,717.0576	1.9435	0.0000	40,757.8709
2021	14.1962	69.0946	194.4199	0.5007	29.1722	1.9221	31.0943	7.8379	1.7892	9.6271	0.0000	40,370.3838	40,370.3838	1.7854	0.0000	40,407.8775
2022	13.5191	62.7709	186.4124	0.5004	29.1723	1.7636	30.9358	7.8379	1.6409	9.4788	0.0000	40,008.4489	40,008.4489	1.7393	0.0000	40,044.9740
2023	12.6531	53.0051	178.0517	0.4995	29.1724	1.6441	30.8165	7.8379	1.5288	9.3667	0.0000	39,608.4812	39,608.4812	1.6821	0.0000	39,643.8044
2024	12.1680	51.4602	172.1187	0.5019	29.1724	1.5605	30.7329	7.8379	1.4499	9.2878	0.0000	39,495.4293	39,495.4293	1.6548	0.0000	39,530.1805
2025	11.7160	49.9034	166.9862	0.5018	29.1725	1.4788	30.6513	7.8379	1.3730	9.2109	0.0000	39,236.2206	39,236.2206	1.6218	0.0000	39,270.2777
2026	11.3204	48.6532	162.2968	0.5017	29.1726	1.4483	30.6209	7.8379	1.3450	9.1829	0.0000	39,003.6979	39,003.6979	1.5915	0.0000	39,037.1184
2027	11.0454	48.1180	158.5737	0.5017	29.1728	1.4507	30.6234	7.8380	1.3471	9.1851	0.0000	38,804.1642	38,804.1642	1.5677	0.0000	38,837.0866

	ROG	NOx	CO	SO2	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					
2028	10.7786	47.5684	155.2951	0.5017	29.1730	1.4465	30.6195	7.8381	1.3433	9.1814	0.0000	38,631.0352	38,631.0352	1.5460	0.0000	38,663.5009
2029	10.5170	47.1595	151.9053	0.5017	29.1732	1.4476	30.6208	7.8382	1.3443	9.1825	0.0000	38,480.5728	38,480.5728	1.5252	0.0000	38,512.6009
2030	10.2118	42.2886	149.1672	0.5056	29.1733	1.0710	30.2443	7.8382	0.9988	8.8370	0.0000	38,689.2575	38,689.2575	1.0238	0.0000	38,710.7567
2031	9.9976	41.9602	146.7499	0.5063	29.1731	1.0680	30.2411	7.8381	0.9960	8.8341	0.0000	38,622.1178	38,622.1178	1.0089	0.0000	38,643.3037
2032	9.7623	41.6591	144.6617	0.5063	29.1730	1.0685	30.2415	7.8380	0.9965	8.8345	0.0000	38,528.0744	38,528.0744	0.9924	0.0000	38,548.9138
2033	9.5611	41.3804	142.9327	0.5063	29.1728	1.0689	30.2417	7.8379	0.9968	8.8347	0.0000	38,449.1349	38,449.1349	0.9781	0.0000	38,469.6746
2034	1.6723	7.0126	15.8818	0.0621	4.7952	0.3248	4.8559	1.2717	0.3247	1.3295	0.0000	4,012.4132	4,012.4132	0.1575	0.0000	4,015.7196
2035	1.6335	1.6677	11.9237	0.0621	4.7952	0.0501	4.8453	1.2717	0.0472	1.3189	0.0000	4,001.2826	4,001.2826	0.1542	0.0000	4,004.5204
Total	180.9925	898.5035	2,465.3824	7.3304	430.8348	29.1302	459.5934	118.9491	27.0126	145.6199	0.0000	573,607.7450	573,607.7450	26.0994	0.0000	574,155.8327

	ROG	NOx	CO	SO2	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	4.23	0.00	3.98	7.88	0.00	6.53	0.00	0.00	0.00	0.00	0.00	0.00

2.2 Overall Operational

Unmitigated Operational

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Area	102.7495	6.5000e-004	0.0722	1.0000e-005		2.6000e-004	2.6000e-004		2.6000e-004	2.6000e-004		0.1557	0.1557	4.0000e-004		0.1642
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	5.2157	12.7105	56.7634	0.2414	15.7366	0.3513	16.0879	4.2130	0.3242	4.5372		17,376.5277	17,376.5277	0.4714		17,386.4270
Total	107.9652	12.7112	56.8356	0.2415	15.7366	0.3516	16.0882	4.2130	0.3244	4.5375		17,376.6835	17,376.6835	0.4718	0.0000	17,386.5912

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	102.5962	6.5000e-004	0.0722	1.0000e-005		2.6000e-004	2.6000e-004		2.6000e-004	2.6000e-004		0.1557	0.1557	4.0000e-004		0.1642
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	5.0705	11.7905	53.5928	0.2194	14.2584	0.3211	14.5795	3.8173	0.2963	4.1136		15,792.4937	15,792.4937	0.4302		15,801.5268
Total	107.6667	11.7911	53.6650	0.2194	14.2584	0.3214	14.5798	3.8173	0.2966	4.1139		15,792.6495	15,792.6495	0.4306	0.0000	15,801.6910

	ROG	NOx	CO	SO2	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	0.28	7.24	5.58	9.12	9.39	8.59	9.38	9.39	8.59	9.34	0.00	9.12	9.12	8.74	0.00	9.12

3.0 Construction Detail

Construction Phase

Phase Number	Phase Name	Phase Type	Start Date	End Date	Num Days Week	Num Days	Phase Description
1	Site Preparation	Site Preparation	1/1/2017	10/6/2017	5	200	
2	Grading	Grading	10/7/2018	9/4/2020	5	500	
3	Building Construction	Building Construction	9/5/2020	4/29/2033	5	3300	
4	Paving	Paving	4/30/2033	3/3/2034	5	220	
5	Architectural Coating	Architectural Coating	3/4/2034	1/5/2035	5	220	

Acres of Grading (Site Preparation Phase): 117

Acres of Grading (Grading Phase): 117

Acres of Paving: 0

Residential Indoor: 0; Residential Outdoor: 0; Non-Residential Indoor: 60,375; Non-Residential Outdoor: 20,125 (Architectural Coating – sqft)

OffRoad Equipment

Phase Name	Offroad Equipment Type	Amount	Usage Hours	Horse Power	Load Factor
Site Preparation	Rubber Tired Dozers	3	8.00	255	0.40
Site Preparation	Tractors/Loaders/Backhoes	4	8.00	97	0.37
Grading	Excavators	2	8.00	162	0.38
Grading	Graders	1	8.00	174	0.41
Grading	Rubber Tired Dozers	1	8.00	255	0.40
Grading	Scrapers	2	8.00	361	0.48
Grading	Tractors/Loaders/Backhoes	2	8.00	97	0.37
Building Construction	Cranes	1	7.00	226	0.29
Building Construction	Forklifts	3	8.00	89	0.20
Building Construction	Generator Sets	1	8.00	84	0.74
Building Construction	Tractors/Loaders/Backhoes	3	7.00	97	0.37
Building Construction	Welders	1	8.00	46	0.45
Paving	Pavers	2	8.00	125	0.42
Paving	Paving Equipment	2	8.00	130	0.36
Paving	Rollers	2	8.00	80	0.38
Architectural Coating	Air Compressors	1	6.00	78	0.48

Trips and VMT

Phase Name	Offroad Equipment Count	Worker Trip Number	Vendor Trip Number	Hauling Trip Number	Worker Trip Length	Vendor Trip Length	Hauling Trip Length	Worker Vehicle Class	Vendor Vehicle Class	Hauling Vehicle Class
Site Preparation	7	18.00	0.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Grading	8	20.00	0.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Building Construction	9	2,143.00	836.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Paving	6	15.00	0.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Architectural Coating	1	429.00	0.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT

3.1 Mitigation Measures Construction

Water Exposed Area

Reduce Vehicle Speed on Unpaved Roads

3.2 Site Preparation - 2017**Unmitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					18.6867	0.0000	18.6867	9.9977	0.0000	9.9977			0.0000			0.0000
Off-Road	4.8382	51.7535	39.3970	0.0391		2.7542	2.7542		2.5339	2.5339		4,003.085 9	4,003.085 9	1.2265		4,028.843 2
Total	4.8382	51.7535	39.3970	0.0391	18.6867	2.7542	21.4409	9.9977	2.5339	12.5316		4,003.085 9	4,003.085 9	1.2265		4,028.843 2

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	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	0.1012	1.0580	2.4700e-003	0.2012	1.8200e-003	0.2030	0.0534	1.6800e-003	0.0550		200.9764	200.9764	0.0111		201.2101
Total	0.0748	0.1012	1.0580	2.4700e-003	0.2012	1.8200e-003	0.2030	0.0534	1.6800e-003	0.0550		200.9764	200.9764	0.0111		201.2101

3.2 Site Preparation - 2017**Mitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					7.2878	0.0000	7.2878	3.8991	0.0000	3.8991			0.0000			0.0000
Off-Road	4.8382	51.7535	39.3970	0.0391		2.7542	2.7542		2.5339	2.5339	0.0000	4,003.0859	4,003.0859	1.2265		4,028.8432
Total	4.8382	51.7535	39.3970	0.0391	7.2878	2.7542	10.0420	3.8991	2.5339	6.4330	0.0000	4,003.0859	4,003.0859	1.2265		4,028.8432

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	0.0748	0.1012	1.0580	2.4700e-003	0.2012	1.8200e-003	0.2030	0.0534	1.6800e-003	0.0550		200.9764	200.9764	0.0111		201.2101
Total	0.0748	0.1012	1.0580	2.4700e-003	0.2012	1.8200e-003	0.2030	0.0534	1.6800e-003	0.0550		200.9764	200.9764	0.0111		201.2101

3.3 Grading - 2018**Unmitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					6.2702	0.0000	6.2702	3.3370	0.0000	3.3370			0.0000			0.0000
Off-Road	5.2895	59.5338	42.3068	0.0617		2.7880	2.7880		2.5650	2.5650		6,212.804 2	6,212.804 2	1.9341		6,253.420 9
Total	5.2895	59.5338	42.3068	0.0617	6.2702	2.7880	9.0583	3.3370	2.5650	5.9020		6,212.804 2	6,212.804 2	1.9341		6,253.420 9

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0746	0.1021	1.0635	2.7400e-003	0.2236	1.9600e-003	0.2255	0.0593	1.8100e-003	0.0611		215.1183	215.1183	0.0115		215.3596
Total	0.0746	0.1021	1.0635	2.7400e-003	0.2236	1.9600e-003	0.2255	0.0593	1.8100e-003	0.0611		215.1183	215.1183	0.0115		215.3596

3.3 Grading - 2018**Mitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					2.4454	0.0000	2.4454	1.3014	0.0000	1.3014			0.0000			0.0000
Off-Road	5.2895	59.5338	42.3068	0.0617		2.7880	2.7880		2.5650	2.5650	0.0000	6,212.804 1	6,212.804 1	1.9341		6,253.420 9
Total	5.2895	59.5338	42.3068	0.0617	2.4454	2.7880	5.2334	1.3014	2.5650	3.8664	0.0000	6,212.804 1	6,212.804 1	1.9341		6,253.420 9

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0746	0.1021	1.0635	2.7400e-003	0.2236	1.9600e-003	0.2255	0.0593	1.8100e-003	0.0611		215.1183	215.1183	0.0115		215.3596
Total	0.0746	0.1021	1.0635	2.7400e-003	0.2236	1.9600e-003	0.2255	0.0593	1.8100e-003	0.0611		215.1183	215.1183	0.0115		215.3596

3.3 Grading - 2019**Unmitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					6.2702	0.0000	6.2702	3.3370	0.0000	3.3370			0.0000			0.0000
Off-Road	4.8912	54.1978	40.2888	0.0617		2.5049	2.5049		2.3045	2.3045		6,111.312 1	6,111.312 1	1.9336		6,151.916 7
Total	4.8912	54.1978	40.2888	0.0617	6.2702	2.5049	8.7752	3.3370	2.3045	5.6416		6,111.312 1	6,111.312 1	1.9336		6,151.916 7

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	0.0685	0.0936	0.9737	2.7300e-003	0.2236	1.9100e-003	0.2255	0.0593	1.7700e-003	0.0611		206.6764	206.6764	0.0107		206.9018
Total	0.0685	0.0936	0.9737	2.7300e-003	0.2236	1.9100e-003	0.2255	0.0593	1.7700e-003	0.0611		206.6764	206.6764	0.0107		206.9018

3.3 Grading - 2019**Mitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					2.4454	0.0000	2.4454	1.3014	0.0000	1.3014			0.0000			0.0000
Off-Road	4.8912	54.1978	40.2888	0.0617		2.5049	2.5049		2.3045	2.3045	0.0000	6,111.312 1	6,111.312 1	1.9336		6,151.916 7
Total	4.8912	54.1978	40.2888	0.0617	2.4454	2.5049	4.9503	1.3014	2.3045	3.6060	0.0000	6,111.312 1	6,111.312 1	1.9336		6,151.916 7

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	0.0685	0.0936	0.9737	2.7300e-003	0.2236	1.9100e-003	0.2255	0.0593	1.7700e-003	0.0611		206.6764	206.6764	0.0107		206.9018
Total	0.0685	0.0936	0.9737	2.7300e-003	0.2236	1.9100e-003	0.2255	0.0593	1.7700e-003	0.0611		206.6764	206.6764	0.0107		206.9018

3.3 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					6.2702	0.0000	6.2702	3.3370	0.0000	3.3370			0.0000			0.0000
Off-Road	4.5501	49.3839	38.4257	0.0617		2.2619	2.2619		2.0810	2.0810		5,977.7088	5,977.7088	1.9333		6,018.3084
Total	4.5501	49.3839	38.4257	0.0617	6.2702	2.2619	8.5322	3.3370	2.0810	5.4180		5,977.7088	5,977.7088	1.9333		6,018.3084

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	0.0643	0.0867	0.9060	2.7300e-003	0.2236	1.8900e-003	0.2255	0.0593	1.7600e-003	0.0610		198.3653	198.3653	0.0102		198.5790
Total	0.0643	0.0867	0.9060	2.7300e-003	0.2236	1.8900e-003	0.2255	0.0593	1.7600e-003	0.0610		198.3653	198.3653	0.0102		198.5790

3.3 Grading - 2020**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					2.4454	0.0000	2.4454	1.3014	0.0000	1.3014			0.0000			0.0000
Off-Road	4.5501	49.3839	38.4257	0.0617		2.2619	2.2619		2.0810	2.0810	0.0000	5,977.7088	5,977.7088	1.9333		6,018.3084
Total	4.5501	49.3839	38.4257	0.0617	2.4454	2.2619	4.7073	1.3014	2.0810	3.3824	0.0000	5,977.7088	5,977.7088	1.9333		6,018.3084

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	0.0643	0.0867	0.9060	2.7300e-003	0.2236	1.8900e-003	0.2255	0.0593	1.7600e-003	0.0610		198.3653	198.3653	0.0102		198.5790
Total	0.0643	0.0867	0.9060	2.7300e-003	0.2236	1.8900e-003	0.2255	0.0593	1.7600e-003	0.0610		198.3653	198.3653	0.0102		198.5790

3.4 Building Construction - 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					
Off-Road	2.1113	19.0839	16.8084	0.0268		1.1128	1.1128		1.0465	1.0465		2,542.4799	2,542.4799	0.6194		2,555.4880
Total	2.1113	19.0839	16.8084	0.0268		1.1128	1.1128		1.0465	1.0465		2,542.4799	2,542.4799	0.6194		2,555.4880

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	6.0081	50.6448	89.0370	0.1810	5.2184	0.8407	6.0590	1.4852	0.7734	2.2586		16,919.7413	16,919.7413	0.1288		16,922.4457
Worker	6.8840	9.2911	97.0725	0.2925	23.9537	0.2028	24.1565	6.3526	0.1881	6.5407		21,254.8364	21,254.8364	1.0904		21,277.7347
Total	12.8921	59.9359	186.1095	0.4735	29.1721	1.0435	30.2156	7.8378	0.9615	8.7993		38,174.5777	38,174.5777	1.2192		38,200.1803

3.4 Building Construction - 2020**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	2.1113	19.0839	16.8084	0.0268		1.1128	1.1128		1.0465	1.0465	0.0000	2,542.4799	2,542.4799	0.6194		2,555.4880
Total	2.1113	19.0839	16.8084	0.0268		1.1128	1.1128		1.0465	1.0465	0.0000	2,542.4799	2,542.4799	0.6194		2,555.4880

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	6.0081	50.6448	89.0370	0.1810	5.2184	0.8407	6.0590	1.4852	0.7734	2.2586		16,919.7413	16,919.7413	0.1288		16,922.4457
Worker	6.8840	9.2911	97.0725	0.2925	23.9537	0.2028	24.1565	6.3526	0.1881	6.5407		21,254.8364	21,254.8364	1.0904		21,277.7347
Total	12.8921	59.9359	186.1095	0.4735	29.1721	1.0435	30.2156	7.8378	0.9615	8.7993		38,174.5777	38,174.5777	1.2192		38,200.1803

3.4 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	1.8931	17.3403	16.5376	0.0268		0.9549	0.9549		0.8979	0.8979		2,542.7817	2,542.7817	0.6126		2,555.6462
Total	1.8931	17.3403	16.5376	0.0268		0.9549	0.9549		0.8979	0.8979		2,542.7817	2,542.7817	0.6126		2,555.6462

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	5.7938	43.0819	86.8436	0.1808	5.2185	0.7650	5.9836	1.4852	0.7039	2.1891		16,906.6704	16,906.6704	0.1298		16,909.3957
Worker	6.5093	8.6724	91.0387	0.2930	23.9537	0.2022	24.1559	6.3526	0.1875	6.5401		20,920.9317	20,920.9317	1.0431		20,942.8356
Total	12.3031	51.7543	177.8822	0.4738	29.1722	0.9672	30.1394	7.8379	0.8914	8.7292		37,827.6021	37,827.6021	1.1728		37,852.2313

3.4 Building Construction - 2021**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	1.8931	17.3403	16.5376	0.0268		0.9549	0.9549		0.8979	0.8979	0.0000	2,542.7817	2,542.7817	0.6126		2,555.6462
Total	1.8931	17.3403	16.5376	0.0268		0.9549	0.9549		0.8979	0.8979	0.0000	2,542.7817	2,542.7817	0.6126		2,555.6462

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	5.7938	43.0819	86.8436	0.1808	5.2185	0.7650	5.9836	1.4852	0.7039	2.1891		16,906.6704	16,906.6704	0.1298		16,909.3957
Worker	6.5093	8.6724	91.0387	0.2930	23.9537	0.2022	24.1559	6.3526	0.1875	6.5401		20,920.9317	20,920.9317	1.0431		20,942.8356
Total	12.3031	51.7543	177.8822	0.4738	29.1722	0.9672	30.1394	7.8379	0.8914	8.7292		37,827.6021	37,827.6021	1.1728		37,852.2313

3.4 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	1.6992	15.5364	16.3276	0.0268		0.8057	0.8057		0.7581	0.7581		2,543.7497	2,543.7497	0.6085		2,556.5286
Total	1.6992	15.5364	16.3276	0.0268		0.8057	0.8057		0.7581	0.7581		2,543.7497	2,543.7497	0.6085		2,556.5286

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	5.6624	39.1184	84.6900	0.1806	5.2186	0.7566	5.9752	1.4853	0.6961	2.1814		16,892.7415	16,892.7415	0.1327		16,895.5275
Worker	6.1575	8.1162	85.3948	0.2930	23.9537	0.2012	24.1549	6.3526	0.1866	6.5393		20,571.9577	20,571.9577	0.9981		20,592.9178
Total	11.8199	47.2345	170.0848	0.4736	29.1723	0.9579	30.1301	7.8379	0.8828	8.7206		37,464.6992	37,464.6992	1.1308		37,488.4453

3.4 Building Construction - 2022

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	1.6992	15.5364	16.3276	0.0268		0.8057	0.8057		0.7581	0.7581	0.0000	2,543.7497	2,543.7497	0.6085		2,556.5286
Total	1.6992	15.5364	16.3276	0.0268		0.8057	0.8057		0.7581	0.7581	0.0000	2,543.7497	2,543.7497	0.6085		2,556.5286

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	5.6624	39.1184	84.6900	0.1806	5.2186	0.7566	5.9752	1.4853	0.6961	2.1814		16,892.7415	16,892.7415	0.1327		16,895.5275
Worker	6.1575	8.1162	85.3948	0.2930	23.9537	0.2012	24.1549	6.3526	0.1866	6.5393		20,571.9577	20,571.9577	0.9981		20,592.9178
Total	11.8199	47.2345	170.0848	0.4736	29.1723	0.9579	30.1301	7.8379	0.8828	8.7206		37,464.6992	37,464.6992	1.1308		37,488.4453

3.4 Building Construction - 2023

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	1.5661	14.3126	16.2093	0.0268		0.6967	0.6967		0.6557	0.6557		2,544.626 2	2,544.626 2	0.6044		2,557.319 1
Total	1.5661	14.3126	16.2093	0.0268		0.6967	0.6967		0.6557	0.6557		2,544.626 2	2,544.626 2	0.6044		2,557.319 1

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	5.2632	31.0749	81.6575	0.1798	5.2187	0.7471	5.9657	1.4853	0.6873	2.1726		16,812.56 58	16,812.56 58	0.1196		16,815.07 70
Worker	5.8238	7.6176	80.1850	0.2929	23.9537	0.2003	24.1540	6.3526	0.1858	6.5385		20,251.28 92	20,251.28 92	0.9581		20,271.40 84
Total	11.0870	38.6925	161.8424	0.4727	29.1724	0.9474	30.1198	7.8379	0.8731	8.7110		37,063.85 50	37,063.85 50	1.0776		37,086.48 53

3.4 Building Construction - 2023

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	1.5661	14.3126	16.2093	0.0268		0.6967	0.6967		0.6557	0.6557	0.0000	2,544.626 2	2,544.626 2	0.6044		2,557.319 1
Total	1.5661	14.3126	16.2093	0.0268		0.6967	0.6967		0.6557	0.6557	0.0000	2,544.626 2	2,544.626 2	0.6044		2,557.319 1

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	5.2632	31.0749	81.6575	0.1798	5.2187	0.7471	5.9657	1.4853	0.6873	2.1726		16,812.56 58	16,812.56 58	0.1196		16,815.07 70
Worker	5.8238	7.6176	80.1850	0.2929	23.9537	0.2003	24.1540	6.3526	0.1858	6.5385		20,251.28 92	20,251.28 92	0.9581		20,271.40 84
Total	11.0870	38.6925	161.8424	0.4727	29.1724	0.9474	30.1198	7.8379	0.8731	8.7110		37,063.85 50	37,063.85 50	1.0776		37,086.48 53

3.4 Building Construction - 2024

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	1.4653	13.3774	16.1332	0.0268		0.6106	0.6106		0.5744	0.5744		2,545.1154	2,545.1154	0.6009		2,557.7349
Total	1.4653	13.3774	16.1332	0.0268		0.6106	0.6106		0.5744	0.5744		2,545.1154	2,545.1154	0.6009		2,557.7349

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	5.1658	30.8839	79.8978	0.1801	5.2187	0.7478	5.9665	1.4853	0.6880	2.1733		16,849.8149	16,849.8149	0.1210		16,852.3561
Worker	5.5369	7.1989	76.0877	0.2949	23.9537	0.2021	24.1558	6.3526	0.1875	6.5402		20,100.4990	20,100.4990	0.9329		20,120.0895
Total	10.7027	38.0828	155.9855	0.4750	29.1724	0.9500	30.1224	7.8379	0.8756	8.7134		36,950.3138	36,950.3138	1.0539		36,972.4456

3.4 Building Construction - 2024

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	1.4653	13.3774	16.1332	0.0268		0.6106	0.6106		0.5744	0.5744	0.0000	2,545.1154	2,545.1154	0.6009		2,557.7349
Total	1.4653	13.3774	16.1332	0.0268		0.6106	0.6106		0.5744	0.5744	0.0000	2,545.1154	2,545.1154	0.6009		2,557.7349

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	5.1658	30.8839	79.8978	0.1801	5.2187	0.7478	5.9665	1.4853	0.6880	2.1733		16,849.8149	16,849.8149	0.1210		16,852.3561
Worker	5.5369	7.1989	76.0877	0.2949	23.9537	0.2021	24.1558	6.3526	0.1875	6.5402		20,100.4990	20,100.4990	0.9329		20,120.0895
Total	10.7027	38.0828	155.9855	0.4750	29.1724	0.9500	30.1224	7.8379	0.8756	8.7134		36,950.3138	36,950.3138	1.0539		36,972.4456

3.4 Building Construction - 2025

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	1.3615	12.4097	16.0518	0.0269		0.5250	0.5250		0.4939	0.4939		2,545.8905	2,545.8905	0.5975		2,558.4386
Total	1.3615	12.4097	16.0518	0.0269		0.5250	0.5250		0.4939	0.4939		2,545.8905	2,545.8905	0.5975		2,558.4386

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	5.0793	30.6676	78.5920	0.1801	5.2188	0.7516	5.9704	1.4853	0.6915	2.1768		16,850.6586	16,850.6586	0.1215		16,853.2096
Worker	5.2753	6.8261	72.3425	0.2949	23.9537	0.2022	24.1559	6.3526	0.1876	6.5402		19,839.6715	19,839.6715	0.9028		19,858.6295
Total	10.3546	37.4937	150.9344	0.4750	29.1725	0.9538	30.1263	7.8379	0.8790	8.7170		36,690.3301	36,690.3301	1.0243		36,711.8391

3.4 Building Construction - 2025

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	1.3615	12.4097	16.0518	0.0269		0.5250	0.5250		0.4939	0.4939	0.0000	2,545.8905	2,545.8905	0.5975		2,558.4386
Total	1.3615	12.4097	16.0518	0.0269		0.5250	0.5250		0.4939	0.4939	0.0000	2,545.8905	2,545.8905	0.5975		2,558.4386

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	5.0793	30.6676	78.5920	0.1801	5.2188	0.7516	5.9704	1.4853	0.6915	2.1768		16,850.6586	16,850.6586	0.1215		16,853.2096
Worker	5.2753	6.8261	72.3425	0.2949	23.9537	0.2022	24.1559	6.3526	0.1876	6.5402		19,839.6715	19,839.6715	0.9028		19,858.6295
Total	10.3546	37.4937	150.9344	0.4750	29.1725	0.9538	30.1263	7.8379	0.8790	8.7170		36,690.3301	36,690.3301	1.0243		36,711.8391

3.4 Building Construction - 2026**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	1.3615	12.4097	16.0518	0.0269		0.5250	0.5250		0.4939	0.4939		2,545.8905	2,545.8905	0.5975		2,558.4386
Total	1.3615	12.4097	16.0518	0.0269		0.5250	0.5250		0.4939	0.4939		2,545.8905	2,545.8905	0.5975		2,558.4386

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	4.9233	29.7418	77.1801	0.1800	5.2189	0.7203	5.9392	1.4853	0.6627	2.1480		16,847.1677	16,847.1677	0.1178		16,849.6417
Worker	5.0356	6.5017	69.0649	0.2949	23.9537	0.2030	24.1567	6.3526	0.1884	6.5410		19,610.6397	19,610.6397	0.8761		19,629.0381
Total	9.9589	36.2435	146.2450	0.4749	29.1726	0.9233	30.0959	7.8379	0.8510	8.6890		36,457.8074	36,457.8074	0.9939		36,478.6798

3.4 Building Construction - 2026

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	1.3615	12.4097	16.0518	0.0269		0.5250	0.5250		0.4939	0.4939	0.0000	2,545.8905	2,545.8905	0.5975		2,558.4386
Total	1.3615	12.4097	16.0518	0.0269		0.5250	0.5250		0.4939	0.4939	0.0000	2,545.8905	2,545.8905	0.5975		2,558.4386

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	4.9233	29.7418	77.1801	0.1800	5.2189	0.7203	5.9392	1.4853	0.6627	2.1480		16,847.1677	16,847.1677	0.1178		16,849.6417
Worker	5.0356	6.5017	69.0649	0.2949	23.9537	0.2030	24.1567	6.3526	0.1884	6.5410		19,610.6397	19,610.6397	0.8761		19,629.0381
Total	9.9589	36.2435	146.2450	0.4749	29.1726	0.9233	30.0959	7.8379	0.8510	8.6890		36,457.8074	36,457.8074	0.9939		36,478.6798

3.4 Building Construction - 2027**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	1.3615	12.4097	16.0518	0.0269		0.5250	0.5250		0.4939	0.4939		2,545.8905	2,545.8905	0.5975		2,558.4386
Total	1.3615	12.4097	16.0518	0.0269		0.5250	0.5250		0.4939	0.4939		2,545.8905	2,545.8905	0.5975		2,558.4386

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	4.8731	29.4991	76.3934	0.1800	5.2191	0.7221	5.9412	1.4854	0.6644	2.1498		16,848.4288	16,848.4288	0.1181		16,850.9081
Worker	4.8108	6.2092	66.1285	0.2948	23.9537	0.2035	24.1572	6.3526	0.1888	6.5415		19,409.8449	19,409.8449	0.8522		19,427.7400
Total	9.6839	35.7083	142.5219	0.4749	29.1728	0.9257	30.0984	7.8380	0.8532	8.6912		36,258.2736	36,258.2736	0.9702		36,278.6480

3.4 Building Construction - 2027

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	1.3615	12.4097	16.0518	0.0269		0.5250	0.5250		0.4939	0.4939	0.0000	2,545.8905	2,545.8905	0.5975		2,558.4386
Total	1.3615	12.4097	16.0518	0.0269		0.5250	0.5250		0.4939	0.4939	0.0000	2,545.8905	2,545.8905	0.5975		2,558.4386

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	4.8731	29.4991	76.3934	0.1800	5.2191	0.7221	5.9412	1.4854	0.6644	2.1498		16,848.4288	16,848.4288	0.1181		16,850.9081
Worker	4.8108	6.2092	66.1285	0.2948	23.9537	0.2035	24.1572	6.3526	0.1888	6.5415		19,409.8449	19,409.8449	0.8522		19,427.7400
Total	9.6839	35.7083	142.5219	0.4749	29.1728	0.9257	30.0984	7.8380	0.8532	8.6912		36,258.2736	36,258.2736	0.9702		36,278.6480

3.4 Building Construction - 2028**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	1.3615	12.4097	16.0518	0.0269		0.5250	0.5250		0.4939	0.4939		2,545.8905	2,545.8905	0.5975		2,558.4386
Total	1.3615	12.4097	16.0518	0.0269		0.5250	0.5250		0.4939	0.4939		2,545.8905	2,545.8905	0.5975		2,558.4386

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	4.8105	29.2130	75.6704	0.1800	5.2193	0.7175	5.9368	1.4855	0.6601	2.1455		16,848.6513	16,848.6513	0.1175		16,851.1195
Worker	4.6066	5.9457	63.5729	0.2948	23.9537	0.2040	24.1577	6.3526	0.1893	6.5419		19,236.4933	19,236.4933	0.8309		19,253.9428
Total	9.4171	35.1588	139.2433	0.4748	29.1730	0.9215	30.0945	7.8381	0.8494	8.6875		36,085.1446	36,085.1446	0.9485		36,105.0623

3.4 Building Construction - 2028**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	1.3615	12.4097	16.0518	0.0269		0.5250	0.5250		0.4939	0.4939	0.0000	2,545.8905	2,545.8905	0.5975		2,558.4386
Total	1.3615	12.4097	16.0518	0.0269		0.5250	0.5250		0.4939	0.4939	0.0000	2,545.8905	2,545.8905	0.5975		2,558.4386

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	4.8105	29.2130	75.6704	0.1800	5.2193	0.7175	5.9368	1.4855	0.6601	2.1455		16,848.6513	16,848.6513	0.1175		16,851.1195
Worker	4.6066	5.9457	63.5729	0.2948	23.9537	0.2040	24.1577	6.3526	0.1893	6.5419		19,236.4933	19,236.4933	0.8309		19,253.9428
Total	9.4171	35.1588	139.2433	0.4748	29.1730	0.9215	30.0945	7.8381	0.8494	8.6875		36,085.1446	36,085.1446	0.9485		36,105.0623

3.4 Building Construction - 2029

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	1.3615	12.4097	16.0518	0.0269		0.5250	0.5250		0.4939	0.4939		2,545.8905	2,545.8905	0.5975		2,558.4386
Total	1.3615	12.4097	16.0518	0.0269		0.5250	0.5250		0.4939	0.4939		2,545.8905	2,545.8905	0.5975		2,558.4386

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	4.7555	29.0674	74.8384	0.1800	5.2195	0.7185	5.9380	1.4855	0.6610	2.1466		16,849.2604	16,849.2604	0.1177		16,851.7317
Worker	4.4001	5.6824	61.0151	0.2948	23.9537	0.2041	24.1578	6.3526	0.1894	6.5420		19,085.4218	19,085.4218	0.8100		19,102.4307
Total	9.1556	34.7498	135.8535	0.4748	29.1732	0.9226	30.0958	7.8382	0.8504	8.6885		35,934.6822	35,934.6822	0.9276		35,954.1624

3.4 Building Construction - 2029

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	1.3615	12.4097	16.0518	0.0269		0.5250	0.5250		0.4939	0.4939	0.0000	2,545.8905	2,545.8905	0.5975		2,558.4386
Total	1.3615	12.4097	16.0518	0.0269		0.5250	0.5250		0.4939	0.4939	0.0000	2,545.8905	2,545.8905	0.5975		2,558.4386

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	4.7555	29.0674	74.8384	0.1800	5.2195	0.7185	5.9380	1.4855	0.6610	2.1466		16,849.2604	16,849.2604	0.1177		16,851.7317
Worker	4.4001	5.6824	61.0151	0.2948	23.9537	0.2041	24.1578	6.3526	0.1894	6.5420		19,085.4218	19,085.4218	0.8100		19,102.4307
Total	9.1556	34.7498	135.8535	0.4748	29.1732	0.9226	30.0958	7.8382	0.8504	8.6885		35,934.6822	35,934.6822	0.9276		35,954.1624

3.4 Building Construction - 2030**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	1.3041	7.9179	16.1313	0.0308		0.1476	0.1476		0.1476	0.1476		2,884.8300	2,884.8300	0.1158		2,887.2617
Total	1.3041	7.9179	16.1313	0.0308		0.1476	0.1476		0.1476	0.1476		2,884.8300	2,884.8300	0.1158		2,887.2617

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	4.7049	28.9393	74.3026	0.1800	5.2196	0.7196	5.9392	1.4856	0.6620	2.1476		16,849.4409	16,849.4409	0.1178		16,851.9151
Worker	4.2027	5.4315	58.7332	0.2948	23.9537	0.2038	24.1575	6.3526	0.1891	6.5418		18,954.9867	18,954.9867	0.7902		18,971.5799
Total	8.9077	34.3707	133.0358	0.4748	29.1733	0.9234	30.0967	7.8382	0.8512	8.6893		35,804.4276	35,804.4276	0.9080		35,823.4950

3.4 Building Construction - 2030

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	1.3041	7.9179	16.1313	0.0308		0.1476	0.1476		0.1476	0.1476	0.0000	2,884.8300	2,884.8300	0.1158		2,887.2617
Total	1.3041	7.9179	16.1313	0.0308		0.1476	0.1476		0.1476	0.1476	0.0000	2,884.8300	2,884.8300	0.1158		2,887.2617

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	4.7049	28.9393	74.3026	0.1800	5.2196	0.7196	5.9392	1.4856	0.6620	2.1476		16,849.4409	16,849.4409	0.1178		16,851.9151
Worker	4.2027	5.4315	58.7332	0.2948	23.9537	0.2038	24.1575	6.3526	0.1891	6.5418		18,954.9867	18,954.9867	0.7902		18,971.5799
Total	8.9077	34.3707	133.0358	0.4748	29.1733	0.9234	30.0967	7.8382	0.8512	8.6893		35,804.4276	35,804.4276	0.9080		35,823.4950

3.4 Building Construction - 2031**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	1.3041	7.9179	16.1313	0.0308		0.1476	0.1476		0.1476	0.1476		2,884.8300	2,884.8300	0.1158		2,887.2617
Total	1.3041	7.9179	16.1313	0.0308		0.1476	0.1476		0.1476	0.1476		2,884.8300	2,884.8300	0.1158		2,887.2617

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	4.6841	28.8499	73.9325	0.1801	5.2194	0.7164	5.9358	1.4855	0.6591	2.1446		16,858.4348	16,858.4348	0.1185		16,860.9233
Worker	4.0094	5.1925	56.6862	0.2953	23.9537	0.2040	24.1577	6.3526	0.1893	6.5419		18,878.8530	18,878.8530	0.7746		18,895.1187
Total	8.6935	34.0423	130.6186	0.4754	29.1731	0.9204	30.0935	7.8381	0.8484	8.6865		35,737.2878	35,737.2878	0.8931		35,756.0420

3.4 Building Construction - 2031**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	1.3041	7.9179	16.1313	0.0308		0.1476	0.1476		0.1476	0.1476	0.0000	2,884.8300	2,884.8300	0.1158		2,887.2617
Total	1.3041	7.9179	16.1313	0.0308		0.1476	0.1476		0.1476	0.1476	0.0000	2,884.8300	2,884.8300	0.1158		2,887.2617

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	4.6841	28.8499	73.9325	0.1801	5.2194	0.7164	5.9358	1.4855	0.6591	2.1446		16,858.4348	16,858.4348	0.1185		16,860.9233
Worker	4.0094	5.1925	56.6862	0.2953	23.9537	0.2040	24.1577	6.3526	0.1893	6.5419		18,878.8530	18,878.8530	0.7746		18,895.1187
Total	8.6935	34.0423	130.6186	0.4754	29.1731	0.9204	30.0935	7.8381	0.8484	8.6865		35,737.2878	35,737.2878	0.8931		35,756.0420

3.4 Building Construction - 2032

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	1.3041	7.9179	16.1313	0.0308		0.1476	0.1476		0.1476	0.1476		2,884.8300	2,884.8300	0.1158		2,887.2617
Total	1.3041	7.9179	16.1313	0.0308		0.1476	0.1476		0.1476	0.1476		2,884.8300	2,884.8300	0.1158		2,887.2617

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	4.6586	28.7612	73.6998	0.1801	5.2193	0.7176	5.9369	1.4854	0.6602	2.1456		16,859.0411	16,859.0411	0.1187		16,861.5329
Worker	3.7996	4.9800	54.8306	0.2953	23.9537	0.2033	24.1570	6.3526	0.1886	6.5412		18,784.2033	18,784.2033	0.7579		18,800.1192
Total	8.4581	33.7412	128.5304	0.4754	29.1730	0.9209	30.0939	7.8380	0.8488	8.6869		35,643.2444	35,643.2444	0.8766		35,661.6521

3.4 Building Construction - 2032

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	1.3041	7.9179	16.1313	0.0308		0.1476	0.1476		0.1476	0.1476	0.0000	2,884.8300	2,884.8300	0.1158		2,887.2617
Total	1.3041	7.9179	16.1313	0.0308		0.1476	0.1476		0.1476	0.1476	0.0000	2,884.8300	2,884.8300	0.1158		2,887.2617

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	4.6586	28.7612	73.6998	0.1801	5.2193	0.7176	5.9369	1.4854	0.6602	2.1456		16,859.0411	16,859.0411	0.1187		16,861.5329
Worker	3.7996	4.9800	54.8306	0.2953	23.9537	0.2033	24.1570	6.3526	0.1886	6.5412		18,784.2033	18,784.2033	0.7579		18,800.1192
Total	8.4581	33.7412	128.5304	0.4754	29.1730	0.9209	30.0939	7.8380	0.8488	8.6869		35,643.2444	35,643.2444	0.8766		35,661.6521

3.4 Building Construction - 2033**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	1.3041	7.9179	16.1313	0.0308		0.1476	0.1476		0.1476	0.1476		2,884.8300	2,884.8300	0.1158		2,887.2617
Total	1.3041	7.9179	16.1313	0.0308		0.1476	0.1476		0.1476	0.1476		2,884.8300	2,884.8300	0.1158		2,887.2617

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	4.6353	28.6620	73.5016	0.1801	5.2191	0.7187	5.9378	1.4853	0.6612	2.1465		16,859.1526	16,859.1526	0.1188		16,861.6472
Worker	3.6217	4.8005	53.2998	0.2953	23.9537	0.2026	24.1563	6.3526	0.1880	6.5406		18,705.1524	18,705.1524	0.7435		18,720.7657
Total	8.2570	33.4626	126.8014	0.4754	29.1728	0.9213	30.0941	7.8379	0.8492	8.6871		35,564.3049	35,564.3049	0.8623		35,582.4129

3.4 Building Construction - 2033

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	1.3041	7.9179	16.1313	0.0308		0.1476	0.1476		0.1476	0.1476	0.0000	2,884.8300	2,884.8300	0.1158		2,887.2617
Total	1.3041	7.9179	16.1313	0.0308		0.1476	0.1476		0.1476	0.1476	0.0000	2,884.8300	2,884.8300	0.1158		2,887.2617

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	4.6353	28.6620	73.5016	0.1801	5.2191	0.7187	5.9378	1.4853	0.6612	2.1465		16,859.1526	16,859.1526	0.1188		16,861.6472
Worker	3.6217	4.8005	53.2998	0.2953	23.9537	0.2026	24.1563	6.3526	0.1880	6.5406		18,705.1524	18,705.1524	0.7435		18,720.7657
Total	8.2570	33.4626	126.8014	0.4754	29.1728	0.9213	30.0941	7.8379	0.8492	8.6871		35,564.3049	35,564.3049	0.8623		35,582.4129

3.5 Paving - 2033**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	1.3549	6.9800	15.5192	0.0275		0.3234	0.3234		0.3234	0.3234		2,599.9866	2,599.9866	0.1219		2,602.5460
Paving	0.0643					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Total	1.4192	6.9800	15.5192	0.0275		0.3234	0.3234		0.3234	0.3234		2,599.9866	2,599.9866	0.1219		2,602.5460

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	0.0254	0.0336	0.3731	2.0700e-003	0.1677	1.4200e-003	0.1691	0.0445	1.3200e-003	0.0458		130.9273	130.9273	5.2000e-003		131.0366
Total	0.0254	0.0336	0.3731	2.0700e-003	0.1677	1.4200e-003	0.1691	0.0445	1.3200e-003	0.0458		130.9273	130.9273	5.2000e-003		131.0366

3.5 Paving - 2033**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	1.3549	6.9800	15.5192	0.0275		0.3234	0.3234		0.3234	0.3234	0.0000	2,599.9866	2,599.9866	0.1219		2,602.5460
Paving	0.0643					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Total	1.4192	6.9800	15.5192	0.0275		0.3234	0.3234		0.3234	0.3234	0.0000	2,599.9866	2,599.9866	0.1219		2,602.5460

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	0.0254	0.0336	0.3731	2.0700e-003	0.1677	1.4200e-003	0.1691	0.0445	1.3200e-003	0.0458		130.9273	130.9273	5.2000e-003		131.0366
Total	0.0254	0.0336	0.3731	2.0700e-003	0.1677	1.4200e-003	0.1691	0.0445	1.3200e-003	0.0458		130.9273	130.9273	5.2000e-003		131.0366

3.5 Paving - 2034**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	1.3549	6.9800	15.5192	0.0275		0.3234	0.3234		0.3234	0.3234		2,599.9866	2,599.9866	0.1219		2,602.5460
Paving	0.0643					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Total	1.4192	6.9800	15.5192	0.0275		0.3234	0.3234		0.3234	0.3234		2,599.9866	2,599.9866	0.1219		2,602.5460

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	0.0243	0.0326	0.3626	2.0700e-003	0.1677	1.4100e-003	0.1691	0.0445	1.3100e-003	0.0458		130.4533	130.4533	5.1100e-003		130.5606
Total	0.0243	0.0326	0.3626	2.0700e-003	0.1677	1.4100e-003	0.1691	0.0445	1.3100e-003	0.0458		130.4533	130.4533	5.1100e-003		130.5606

3.5 Paving - 2034**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	1.3549	6.9800	15.5192	0.0275		0.3234	0.3234		0.3234	0.3234	0.0000	2,599.9866	2,599.9866	0.1219		2,602.5460
Paving	0.0643					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Total	1.4192	6.9800	15.5192	0.0275		0.3234	0.3234		0.3234	0.3234	0.0000	2,599.9866	2,599.9866	0.1219		2,602.5460

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	0.0243	0.0326	0.3626	2.0700e-003	0.1677	1.4100e-003	0.1691	0.0445	1.3100e-003	0.0458		130.4533	130.4533	5.1100e-003		130.5606
Total	0.0243	0.0326	0.3626	2.0700e-003	0.1677	1.4100e-003	0.1691	0.0445	1.3100e-003	0.0458		130.4533	130.4533	5.1100e-003		130.5606

3.6 Architectural Coating - 2034

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	0.8480					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Off-Road	0.1308	0.8563	1.7977	2.9700e-003		0.0203	0.0203		0.0203	0.0203		281.4481	281.4481	0.0114		281.6873
Total	0.9787	0.8563	1.7977	2.9700e-003		0.0203	0.0203		0.0203	0.0203		281.4481	281.4481	0.0114		281.6873

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	0.6935	0.9312	10.3696	0.0591	4.7952	0.0404	4.8356	1.2717	0.0375	1.3092		3,730.9651	3,730.9651	0.1461		3,734.0323
Total	0.6935	0.9312	10.3696	0.0591	4.7952	0.0404	4.8356	1.2717	0.0375	1.3092		3,730.9651	3,730.9651	0.1461		3,734.0323

3.6 Architectural Coating - 2034

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	0.8480					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Off-Road	0.1308	0.8563	1.7977	2.9700e-003		0.0203	0.0203		0.0203	0.0203	0.0000	281.4481	281.4481	0.0114		281.6873
Total	0.9787	0.8563	1.7977	2.9700e-003		0.0203	0.0203		0.0203	0.0203	0.0000	281.4481	281.4481	0.0114		281.6873

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	0.6935	0.9312	10.3696	0.0591	4.7952	0.0404	4.8356	1.2717	0.0375	1.3092		3,730.9651	3,730.9651	0.1461		3,734.0323
Total	0.6935	0.9312	10.3696	0.0591	4.7952	0.0404	4.8356	1.2717	0.0375	1.3092		3,730.9651	3,730.9651	0.1461		3,734.0323

3.6 Architectural Coating - 2035

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	0.8480					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Off-Road	0.1179	0.7577	1.7943	2.9700e-003		9.9000e-003	9.9000e-003		9.9000e-003	9.9000e-003		281.4481	281.4481	0.0104		281.6665
Total	0.9659	0.7577	1.7943	2.9700e-003		9.9000e-003	9.9000e-003		9.9000e-003	9.9000e-003		281.4481	281.4481	0.0104		281.6665

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	0.6676	0.9100	10.1294	0.0591	4.7952	0.0402	4.8354	1.2717	0.0373	1.3090		3,719.8346	3,719.8346	0.1438		3,722.8540
Total	0.6676	0.9100	10.1294	0.0591	4.7952	0.0402	4.8354	1.2717	0.0373	1.3090		3,719.8346	3,719.8346	0.1438		3,722.8540

3.6 Architectural Coating - 2035

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	0.8480					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Off-Road	0.1179	0.7577	1.7943	2.9700e-003		9.9000e-003	9.9000e-003		9.9000e-003	9.9000e-003	0.0000	281.4481	281.4481	0.0104		281.6665
Total	0.9659	0.7577	1.7943	2.9700e-003		9.9000e-003	9.9000e-003		9.9000e-003	9.9000e-003	0.0000	281.4481	281.4481	0.0104		281.6665

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	0.6676	0.9100	10.1294	0.0591	4.7952	0.0402	4.8354	1.2717	0.0373	1.3090		3,719.8346	3,719.8346	0.1438		3,722.8540
Total	0.6676	0.9100	10.1294	0.0591	4.7952	0.0402	4.8354	1.2717	0.0373	1.3090		3,719.8346	3,719.8346	0.1438		3,722.8540

4.0 Operational Detail - Mobile

4.1 Mitigation Measures Mobile

Increase Transit Accessibility

Improve Pedestrian Network

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 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	5.0705	11.7905	53.5928	0.2194	14.2584	0.3211	14.5795	3.8173	0.2963	4.1136		15,792.49 37	15,792.49 37	0.4302		15,801.52 68
Unmitigated	5.2157	12.7105	56.7634	0.2414	15.7366	0.3513	16.0879	4.2130	0.3242	4.5372		17,376.52 77	17,376.52 77	0.4714		17,386.42 70

4.2 Trip Summary Information

Land Use	Average Daily Trip Rate			Unmitigated	Mitigated
	Weekday	Saturday	Sunday	Annual VMT	Annual VMT
City Park	2,566.80	2,566.80	2566.80	7,386,070	6,692,273
Parking Lot	0.00	0.00	0.00		
Total	2,566.80	2,566.80	2,566.80	7,386,070	6,692,273

4.3 Trip Type Information

Land Use	Miles			Trip %			Trip Purpose %		
	H-W or C-W	H-S or C-C	H-O or C-NW	H-W or C-W	H-S or C-C	H-O or C-NW	Primary	Diverted	Pass-by
City Park	16.60	8.40	6.90	33.00	48.00	19.00	66	28	6
Parking Lot	16.60	8.40	6.90	0.00	0.00	0.00	0	0	0

LDA	LDT1	LDT2	MDV	LHD1	LHD2	MHD	HHD	OBUS	UBUS	MCY	SBUS	MH
0.491908	0.059855	0.185077	0.131229	0.044940	0.007356	0.019164	0.046757	0.003019	0.003347	0.004084	0.000506	0.002760

5.0 Energy Detail

5.1 Fleet Mix

Historical Energy Use: N

5.1 Mitigation Measures Energy

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
NaturalGas Mitigated	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
NaturalGas Unmitigated	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000

5.2 Energy by Land Use - NaturalGas

Unmitigated

	NaturalGas Use	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Land Use	kBTU/yr	lb/day										lb/day					
Parking Lot	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
City Park	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Total		0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000

Mitigated

	NaturalGas Use	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Land Use	kBTU/yr	lb/day										lb/day					
Parking Lot	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
City Park	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
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

Use Low VOC Paint - Non-Residential Interior

Use Low VOC Paint - Non-Residential Exterior

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 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	102.5962	6.5000e-004	0.0722	1.0000e-005		2.6000e-004	2.6000e-004		2.6000e-004	2.6000e-004		0.1557	0.1557	4.0000e-004		0.1642
Unmitigated	102.7495	6.5000e-004	0.0722	1.0000e-005		2.6000e-004	2.6000e-004		2.6000e-004	2.6000e-004		0.1557	0.1557	4.0000e-004		0.1642

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	1.7373					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Consumer Products	101.0057					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Landscaping	6.6100e-003	6.5000e-004	0.0722	1.0000e-005		2.6000e-004	2.6000e-004		2.6000e-004	2.6000e-004		0.1557	0.1557	4.0000e-004		0.1642
Total	102.7495	6.5000e-004	0.0722	1.0000e-005		2.6000e-004	2.6000e-004		2.6000e-004	2.6000e-004		0.1557	0.1557	4.0000e-004		0.1642

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	1.5839					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Consumer Products	101.0057					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Landscaping	6.6100e-003	6.5000e-004	0.0722	1.0000e-005		2.6000e-004	2.6000e-004		2.6000e-004	2.6000e-004		0.1557	0.1557	4.0000e-004		0.1642
Total	102.5962	6.5000e-004	0.0722	1.0000e-005		2.6000e-004	2.6000e-004		2.6000e-004	2.6000e-004		0.1557	0.1557	4.0000e-004		0.1642

7.0 Water Detail

7.1 Mitigation Measures Water

Apply Water Conservation Strategy

8.0 Waste Detail

8.1 Mitigation Measures Waste

Institute Recycling and Composting Services

9.0 Operational Offroad

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

10.0 Vegetation

APPENDIX C

CalEEMod Model Annual Emissions Printouts

JN 6351a Puente Hills Landfill Park
Los Angeles-South Coast County, Annual

1.0 Project Characteristics

1.1 Land Usage

Land Uses	Size	Metric	Lot Acreage	Floor Surface Area	Population
Parking Lot	200.00	Space	1.80	80,000.00	0
City Park	115.20	Acre	115.20	5,018,112.00	0

1.2 Other Project Characteristics

Urbanization	Urban	Wind Speed (m/s)	2.2	Precipitation Freq (Days)	33
Climate Zone	9			Operational Year	2035
Utility Company	Southern California Edison				
CO2 Intensity (lb/MWhr)	630.89	CH4 Intensity (lb/MWhr)	0.029	N2O Intensity (lb/MWhr)	0.006

1.3 User Entered Comments & Non-Default Data

Project Characteristics -

Land Use - Designated as 117-acre "regional park" in the TIA. 200 parking spaces total.

Construction Phase - Construction starts no earlier than 2017. Full buildout in 2035.

Grading - Site is 117 acres of improvements

Architectural Coating - SCAQMD Rule 1113 limits paints to 50g/L VOC. Approx 30,950 SF of onsite buildings/structures to be painted only; 46,425 SF interior; 15,475 SF exterior.

Vehicle Trips - Trip gen rate from TIA. 20 trips per acre.

Area Coating - SCAQMD Rule 1113 limits paints to 50g/L VOC. Approx 30,950SF of onsite buildings/structures to be painted only; 46,425 SF interior, 15,475 SF exterior.

Construction Off-road Equipment Mitigation -

Mobile Land Use Mitigation - Paths and trails onsite, connecting off-site. Bus stop 0.6 miles from park entrance.

Area Mitigation - SCAQMD Rule 1113 limits paints to 50g/L VOC.

Water Mitigation - Drought-tolerant plants used in landscaping. 20% reduction in water use per CalGreen requirements.

Waste Mitigation - Recycling 75% per AB 341

Table Name	Column Name	Default Value	New Value
tblArchitecturalCoating	ConstArea_Nonresidential_Exterior	2,510,256.00	15,475.00
tblArchitecturalCoating	ConstArea_Nonresidential_Interior	7,530,768.00	46,425.00
tblArchitecturalCoating	EF_Nonresidential_Exterior	250.00	50.00
tblArchitecturalCoating	EF_Nonresidential_Interior	250.00	50.00
tblAreaCoating	Area_EF_Nonresidential_Exterior	250	50
tblAreaCoating	Area_Nonresidential_Interior	7530765	46425
tblAreaMitigation	UseLowVOCPaintNonresidentialInteriorValue	250	50
tblConstructionPhase	NumDays	3,100.00	3,300.00
tblConstructionPhase	NumDays	310.00	500.00
tblConstructionPhase	NumDays	120.00	200.00
tblConstructionPhase	PhaseEndDate	9/6/2019	9/4/2020
tblConstructionPhase	PhaseStartDate	10/7/2017	10/7/2018
tblGrading	AcresOfGrading	1,250.00	117.00
tblGrading	AcresOfGrading	0.00	117.00
tblProjectCharacteristics	OperationalYear	2014	2035
tblVehicleTrips	ST_TR	1.59	20.00
tblVehicleTrips	SU_TR	1.59	20.00
tblVehicleTrips	WD_TR	1.59	20.00

2.0 Emissions Summary

2.1 Overall Construction

Unmitigated Construction

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Year	tons/yr										MT/yr					
2017	0.4909	5.1857	4.0478	4.1600e-003	1.8884	0.2756	2.1640	1.0050	0.2536	1.2586	0.0000	381.6796	381.6796	0.1123	0.0000	384.0375
2018	0.1635	1.8190	1.3236	1.9700e-003	1.5743	0.0851	1.6593	0.8360	0.0783	0.9143	0.0000	177.9510	177.9510	0.0538	0.0000	179.0815
2019	0.6467	7.0854	5.3878	8.4100e-003	1.5962	0.3271	1.9233	0.8419	0.3010	1.1428	0.0000	748.3664	748.3664	0.2302	0.0000	753.2001
2020	1.0149	7.7740	11.9462	0.0270	2.7880	0.2919	3.0799	1.1626	0.2695	1.4322	0.0000	2,065.7893	2,065.7893	0.2268	0.0000	2,070.5529
2021	1.7769	9.1554	25.1077	0.0660	3.7314	0.2504	3.9818	1.0042	0.2331	1.2373	0.0000	4,826.9328	4,826.9328	0.2110	0.0000	4,831.3628
2022	1.6850	8.2856	23.9590	0.0658	3.7172	0.2288	3.9459	1.0004	0.2129	1.2133	0.0000	4,765.1744	4,765.1744	0.2047	0.0000	4,769.4730
2023	1.5752	6.9962	22.8662	0.0656	3.7172	0.2133	3.9304	1.0004	0.1983	1.1987	0.0000	4,717.4863	4,717.4863	0.1980	0.0000	4,721.6433
2024	1.5266	6.8461	22.2636	0.0665	3.7458	0.2040	3.9497	1.0081	0.1895	1.1976	0.0000	4,740.1930	4,740.1930	0.1962	0.0000	4,744.3140
2025	1.4641	6.6153	21.5050	0.0662	3.7315	0.1925	3.9240	1.0043	0.1787	1.1830	0.0000	4,690.9926	4,690.9926	0.1916	0.0000	4,695.0158
2026	1.4147	6.4491	20.8888	0.0662	3.7315	0.1885	3.9200	1.0043	0.1751	1.1793	0.0000	4,663.0967	4,663.0967	0.1880	0.0000	4,667.0446
2027	1.3809	6.3778	20.3986	0.0662	3.7315	0.1889	3.9204	1.0043	0.1754	1.1796	0.0000	4,639.1556	4,639.1556	0.1852	0.0000	4,643.0446
2028	1.3428	6.2805	19.8902	0.0659	3.7173	0.1876	3.9048	1.0004	0.1742	1.1746	0.0000	4,600.6915	4,600.6915	0.1819	0.0000	4,604.5117
2029	1.3158	6.2501	19.5214	0.0662	3.7316	0.1885	3.9200	1.0043	0.1750	1.1793	0.0000	4,600.3445	4,600.3445	0.1802	0.0000	4,604.1277
2030	1.2778	5.6134	19.1602	0.0667	3.7316	0.1393	3.8709	1.0043	0.1299	1.1342	0.0000	4,624.8569	4,624.8569	0.1208	0.0000	4,627.3936
2031	1.2518	5.5696	18.8409	0.0668	3.7316	0.1389	3.8705	1.0043	0.1296	1.1338	0.0000	4,616.8310	4,616.8310	0.1190	0.0000	4,619.3306
2032	1.2281	5.5506	18.6352	0.0670	3.7458	0.1395	3.8854	1.0081	0.1301	1.1382	0.0000	4,623.2028	4,623.2028	0.1175	0.0000	4,625.6709
2033	0.5130	2.4024	7.3626	0.0243	1.2296	0.0737	1.3033	0.3309	0.0706	0.4015	0.0000	1,713.7588	1,713.7588	0.0477	0.0000	1,714.7599
2034	0.1855	0.3526	1.6951	7.4300e-003	0.5079	0.0138	0.5217	0.1349	0.0135	0.1484	0.0000	452.2057	452.2057	0.0179	0.0000	452.5819

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Year	tons/yr										MT/yr					
2035	3.4900e-003	4.2300e-003	0.0305	1.6000e-004	0.0117	1.3000e-004	0.0119	3.1100e-003	1.2000e-004	3.2300e-003	0.0000	9.1937	9.1937	3.5000e-004	0.0000	9.2011
Total	20.2576	104.6129	284.8304	0.8685	54.3598	3.3274	57.6872	16.3617	3.0884	19.4501	0.0000	61,657.9025	61,657.9025	2.7831	0.0000	61,716.3473

2.1 Overall Construction

Mitigated Construction

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Year	tons/yr										MT/yr					
2017	0.4909	5.1857	4.0478	4.1600e-003	0.7485	0.2756	1.0241	0.3952	0.2536	0.6487	0.0000	381.6792	381.6792	0.1123	0.0000	384.0370
2018	0.1635	1.8190	1.3236	1.9700e-003	0.6180	0.0851	0.7031	0.3271	0.0783	0.4054	0.0000	177.9508	177.9508	0.0538	0.0000	179.0813
2019	0.6467	7.0853	5.3878	8.4100e-003	0.6400	0.3271	0.9671	0.3330	0.3010	0.6339	0.0000	748.3655	748.3655	0.2302	0.0000	753.1993
2020	1.0149	7.7740	11.9462	0.0270	1.8318	0.2919	2.1236	0.6537	0.2695	0.9233	0.0000	2,065.7886	2,065.7886	0.2268	0.0000	2,070.5522
2021	1.7769	9.1554	25.1077	0.0660	3.7314	0.2504	3.9818	1.0042	0.2331	1.2373	0.0000	4,826.9324	4,826.9324	0.2110	0.0000	4,831.3624
2022	1.6850	8.2856	23.9590	0.0658	3.7172	0.2288	3.9459	1.0004	0.2129	1.2133	0.0000	4,765.1740	4,765.1740	0.2047	0.0000	4,769.4727
2023	1.5752	6.9962	22.8662	0.0656	3.7172	0.2133	3.9304	1.0004	0.1983	1.1987	0.0000	4,717.4859	4,717.4859	0.1980	0.0000	4,721.6429
2024	1.5266	6.8461	22.2636	0.0665	3.7458	0.2040	3.9497	1.0081	0.1895	1.1976	0.0000	4,740.1926	4,740.1926	0.1962	0.0000	4,744.3137
2025	1.4641	6.6153	21.5050	0.0662	3.7315	0.1925	3.9240	1.0043	0.1787	1.1830	0.0000	4,690.9923	4,690.9923	0.1916	0.0000	4,695.0154
2026	1.4147	6.4491	20.8888	0.0662	3.7315	0.1885	3.9200	1.0043	0.1751	1.1793	0.0000	4,663.0963	4,663.0963	0.1880	0.0000	4,667.0442
2027	1.3809	6.3778	20.3986	0.0662	3.7315	0.1889	3.9204	1.0043	0.1754	1.1796	0.0000	4,639.1553	4,639.1553	0.1852	0.0000	4,643.0442

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Year	tons/yr										MT/yr					
2028	1.3428	6.2805	19.8902	0.0659	3.7173	0.1876	3.9048	1.0004	0.1742	1.1746	0.0000	4,600.6911	4,600.6911	0.1819	0.0000	4,604.5114
2029	1.3158	6.2501	19.5214	0.0662	3.7316	0.1885	3.9200	1.0043	0.1750	1.1793	0.0000	4,600.3441	4,600.3441	0.1802	0.0000	4,604.1273
2030	1.2778	5.6134	19.1602	0.0667	3.7316	0.1393	3.8709	1.0043	0.1299	1.1342	0.0000	4,624.8565	4,624.8565	0.1208	0.0000	4,627.3932
2031	1.2518	5.5696	18.8409	0.0668	3.7316	0.1389	3.8705	1.0043	0.1296	1.1338	0.0000	4,616.8306	4,616.8306	0.1190	0.0000	4,619.3302
2032	1.2281	5.5506	18.6352	0.0670	3.7458	0.1395	3.8854	1.0081	0.1301	1.1382	0.0000	4,623.2024	4,623.2024	0.1175	0.0000	4,625.6705
2033	0.5130	2.4024	7.3626	0.0243	1.2296	0.0737	1.3033	0.3309	0.0706	0.4015	0.0000	1,713.7585	1,713.7585	0.0477	0.0000	1,714.7595
2034	0.1855	0.3526	1.6951	7.4300e-003	0.5079	0.0138	0.5217	0.1349	0.0135	0.1484	0.0000	452.2056	452.2056	0.0179	0.0000	452.5818
2035	3.4900e-003	4.2300e-003	0.0305	1.6000e-004	0.0117	1.3000e-004	0.0119	3.1100e-003	1.2000e-004	3.2300e-003	0.0000	9.1937	9.1937	3.5000e-004	0.0000	9.2011
Total	20.2576	104.6128	284.8304	0.8685	50.3513	3.3274	53.6787	14.2252	3.0884	17.3135	0.0000	61,657.8954	61,657.8954	2.7831	0.0000	61,716.3402

	ROG	NOx	CO	SO2	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	7.37	0.00	6.95	13.06	0.00	10.98	0.00	0.00	0.00	0.00	0.00	0.00

2.2 Overall Operational

Unmitigated Operational

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Area	18.7402	4.0000e-005	4.0000e-003	0.0000		1.0000e-005	1.0000e-005		1.0000e-005	1.0000e-005	0.0000	7.8200e-003	7.8200e-003	2.0000e-005	0.0000	8.2500e-003
Energy	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	20.1462	20.1462	9.3000e-004	1.9000e-004	20.2250
Mobile	0.8086	2.1154	9.2114	0.0399	2.5213	0.0572	2.5785	0.6761	0.0528	0.7289	0.0000	2,602.0655	2,602.0655	0.0697	0.0000	2,603.5287
Waste						0.0000	0.0000		0.0000	0.0000	2.0116	0.0000	2.0116	0.1189	0.0000	4.5082
Water						0.0000	0.0000		0.0000	0.0000	0.0000	436.3884	436.3884	0.0201	4.1500e-003	438.0962
Total	19.5488	2.1154	9.2154	0.0399	2.5213	0.0572	2.5785	0.6761	0.0528	0.7289	2.0116	3,058.6078	3,060.6195	0.2096	4.3400e-003	3,066.3663

2.2 Overall Operational

Mitigated Operational

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Area	18.7187	4.0000e-005	4.0000e-003	0.0000		1.0000e-005	1.0000e-005		1.0000e-005	1.0000e-005	0.0000	7.8200e-003	7.8200e-003	2.0000e-005	0.0000	8.2500e-003
Energy	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	20.1462	20.1462	9.3000e-004	1.9000e-004	20.2250
Mobile	0.7848	1.9620	8.6794	0.0363	2.2845	0.0523	2.3367	0.6126	0.0482	0.6608	0.0000	2,365.0223	2,365.0223	0.0636	0.0000	2,366.3572
Waste						0.0000	0.0000		0.0000	0.0000	0.5029	0.0000	0.5029	0.0297	0.0000	1.1271
Water						0.0000	0.0000		0.0000	0.0000	0.0000	349.1107	349.1107	0.0161	3.3200e-003	350.4770
Total	19.5034	1.9620	8.6834	0.0363	2.2845	0.0523	2.3368	0.6126	0.0483	0.6609	0.5029	2,734.2870	2,734.7899	0.1103	3.5100e-003	2,738.1945

	ROG	NOx	CO	SO2	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	0.23	7.25	5.77	9.10	9.39	8.62	9.38	9.39	8.62	9.34	75.00	10.60	10.65	47.37	19.12	10.70

3.0 Construction Detail

Construction Phase

Phase Number	Phase Name	Phase Type	Start Date	End Date	Num Days Week	Num Days	Phase Description
1	Site Preparation	Site Preparation	1/1/2017	10/6/2017	5	200	
2	Grading	Grading	10/7/2018	9/4/2020	5	500	
3	Building Construction	Building Construction	9/5/2020	4/29/2033	5	3300	
4	Paving	Paving	4/30/2033	3/3/2034	5	220	
5	Architectural Coating	Architectural Coating	3/4/2034	1/5/2035	5	220	

Acres of Grading (Site Preparation Phase): 117

Acres of Grading (Grading Phase): 117

Acres of Paving: 0

Residential Indoor: 0; Residential Outdoor: 0; Non-Residential Indoor: 46,425; Non-Residential Outdoor: 15,475 (Architectural Coating – sqft)

OffRoad Equipment

Phase Name	Offroad Equipment Type	Amount	Usage Hours	Horse Power	Load Factor
Site Preparation	Rubber Tired Dozers	3	8.00	255	0.40
Site Preparation	Tractors/Loaders/Backhoes	4	8.00	97	0.37
Grading	Excavators	2	8.00	162	0.38
Grading	Graders	1	8.00	174	0.41
Grading	Rubber Tired Dozers	1	8.00	255	0.40
Grading	Scrapers	2	8.00	361	0.48
Grading	Tractors/Loaders/Backhoes	2	8.00	97	0.37
Building Construction	Cranes	1	7.00	226	0.29
Building Construction	Forklifts	3	8.00	89	0.20
Building Construction	Generator Sets	1	8.00	84	0.74
Building Construction	Tractors/Loaders/Backhoes	3	7.00	97	0.37
Building Construction	Welders	1	8.00	46	0.45
Paving	Pavers	2	8.00	125	0.42
Paving	Paving Equipment	2	8.00	130	0.36
Paving	Rollers	2	8.00	80	0.38
Architectural Coating	Air Compressors	1	6.00	78	0.48

Trips and VMT

Phase Name	Offroad Equipment Count	Worker Trip Number	Vendor Trip Number	Hauling Trip Number	Worker Trip Length	Vendor Trip Length	Hauling Trip Length	Worker Vehicle Class	Vendor Vehicle Class	Hauling Vehicle Class
Site Preparation	7	18.00	0.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Grading	8	20.00	0.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Building Construction	9	2,141.00	836.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Paving	6	15.00	0.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Architectural Coating	1	428.00	0.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT

3.1 Mitigation Measures Construction

Water Exposed Area

Reduce Vehicle Speed on Unpaved Roads

3.2 Site Preparation - 2017**Unmitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Fugitive Dust					1.8687	0.0000	1.8687	0.9998	0.0000	0.9998	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.4838	5.1754	3.9397	3.9100e-003		0.2754	0.2754		0.2534	0.2534	0.0000	363.1538	363.1538	0.1113	0.0000	365.4905
Total	0.4838	5.1754	3.9397	3.9100e-003	1.8687	0.2754	2.1441	0.9998	0.2534	1.2532	0.0000	363.1538	363.1538	0.1113	0.0000	365.4905

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	7.0400e-003	0.0104	0.1081	2.5000e-004	0.0197	1.8000e-004	0.0199	5.2400e-003	1.7000e-004	5.4100e-003	0.0000	18.5258	18.5258	1.0100e-003	0.0000	18.5470
Total	7.0400e-003	0.0104	0.1081	2.5000e-004	0.0197	1.8000e-004	0.0199	5.2400e-003	1.7000e-004	5.4100e-003	0.0000	18.5258	18.5258	1.0100e-003	0.0000	18.5470

3.2 Site Preparation - 2017**Mitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Fugitive Dust					0.7288	0.0000	0.7288	0.3899	0.0000	0.3899	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.4838	5.1753	3.9397	3.9100e-003		0.2754	0.2754		0.2534	0.2534	0.0000	363.1534	363.1534	0.1113	0.0000	365.4901
Total	0.4838	5.1753	3.9397	3.9100e-003	0.7288	0.2754	1.0042	0.3899	0.2534	0.6433	0.0000	363.1534	363.1534	0.1113	0.0000	365.4901

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	7.0400e-003	0.0104	0.1081	2.5000e-004	0.0197	1.8000e-004	0.0199	5.2400e-003	1.7000e-004	5.4100e-003	0.0000	18.5258	18.5258	1.0100e-003	0.0000	18.5470
Total	7.0400e-003	0.0104	0.1081	2.5000e-004	0.0197	1.8000e-004	0.0199	5.2400e-003	1.7000e-004	5.4100e-003	0.0000	18.5258	18.5258	1.0100e-003	0.0000	18.5470

3.3 Grading - 2018**Unmitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Fugitive Dust					1.5676	0.0000	1.5676	0.8343	0.0000	0.8343	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.1613	1.8158	1.2904	1.8800e-003		0.0850	0.0850		0.0782	0.0782	0.0000	171.9029	171.9029	0.0535	0.0000	173.0267
Total	0.1613	1.8158	1.2904	1.8800e-003	1.5676	0.0850	1.6526	0.8343	0.0782	0.9125	0.0000	171.9029	171.9029	0.0535	0.0000	173.0267

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	2.1400e-003	3.2000e-003	0.0332	8.0000e-005	6.6800e-003	6.0000e-005	6.7400e-003	1.7800e-003	6.0000e-005	1.8300e-003	0.0000	6.0481	6.0481	3.2000e-004	0.0000	6.0548
Total	2.1400e-003	3.2000e-003	0.0332	8.0000e-005	6.6800e-003	6.0000e-005	6.7400e-003	1.7800e-003	6.0000e-005	1.8300e-003	0.0000	6.0481	6.0481	3.2000e-004	0.0000	6.0548

3.3 Grading - 2018**Mitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Fugitive Dust					0.6114	0.0000	0.6114	0.3254	0.0000	0.3254	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.1613	1.8158	1.2904	1.8800e-003		0.0850	0.0850		0.0782	0.0782	0.0000	171.9027	171.9027	0.0535	0.0000	173.0265
Total	0.1613	1.8158	1.2904	1.8800e-003	0.6114	0.0850	0.6964	0.3254	0.0782	0.4036	0.0000	171.9027	171.9027	0.0535	0.0000	173.0265

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	2.1400e-003	3.2000e-003	0.0332	8.0000e-005	6.6800e-003	6.0000e-005	6.7400e-003	1.7800e-003	6.0000e-005	1.8300e-003	0.0000	6.0481	6.0481	3.2000e-004	0.0000	6.0548
Total	2.1400e-003	3.2000e-003	0.0332	8.0000e-005	6.6800e-003	6.0000e-005	6.7400e-003	1.7800e-003	6.0000e-005	1.8300e-003	0.0000	6.0481	6.0481	3.2000e-004	0.0000	6.0548

3.3 Grading - 2019**Unmitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Fugitive Dust					1.5676	0.0000	1.5676	0.8343	0.0000	0.8343	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.6383	7.0728	5.2577	8.0500e-003		0.3269	0.3269		0.3007	0.3007	0.0000	723.5036	723.5036	0.2289	0.0000	728.3107
Total	0.6383	7.0728	5.2577	8.0500e-003	1.5676	0.3269	1.8945	0.8343	0.3007	1.1350	0.0000	723.5036	723.5036	0.2289	0.0000	728.3107

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	8.4000e-003	0.0125	0.1301	3.6000e-004	0.0286	2.5000e-004	0.0289	7.6000e-003	2.3000e-004	7.8300e-003	0.0000	24.8627	24.8627	1.2700e-003	0.0000	24.8894
Total	8.4000e-003	0.0125	0.1301	3.6000e-004	0.0286	2.5000e-004	0.0289	7.6000e-003	2.3000e-004	7.8300e-003	0.0000	24.8627	24.8627	1.2700e-003	0.0000	24.8894

3.3 Grading - 2019**Mitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Fugitive Dust					0.6114	0.0000	0.6114	0.3254	0.0000	0.3254	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.6383	7.0728	5.2577	8.0500e-003		0.3269	0.3269		0.3007	0.3007	0.0000	723.5028	723.5028	0.2289	0.0000	728.3098
Total	0.6383	7.0728	5.2577	8.0500e-003	0.6114	0.3269	0.9382	0.3254	0.3007	0.6261	0.0000	723.5028	723.5028	0.2289	0.0000	728.3098

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	8.4000e-003	0.0125	0.1301	3.6000e-004	0.0286	2.5000e-004	0.0289	7.6000e-003	2.3000e-004	7.8300e-003	0.0000	24.8627	24.8627	1.2700e-003	0.0000	24.8894
Total	8.4000e-003	0.0125	0.1301	3.6000e-004	0.0286	2.5000e-004	0.0289	7.6000e-003	2.3000e-004	7.8300e-003	0.0000	24.8627	24.8627	1.2700e-003	0.0000	24.8894

3.3 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	tons/yr										MT/yr					
Fugitive Dust					1.5676	0.0000	1.5676	0.8343	0.0000	0.8343	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.4050	4.3952	3.4199	5.4900e-003		0.2013	0.2013		0.1852	0.1852	0.0000	482.6369	482.6369	0.1561	0.0000	485.9149
Total	0.4050	4.3952	3.4199	5.4900e-003	1.5676	0.2013	1.7689	0.8343	0.1852	1.0195	0.0000	482.6369	482.6369	0.1561	0.0000	485.9149

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	5.3700e-003	7.9300e-003	0.0826	2.5000e-004	0.0195	1.7000e-004	0.0197	5.1800e-003	1.6000e-004	5.3400e-003	0.0000	16.2747	16.2747	8.2000e-004	0.0000	16.2919
Total	5.3700e-003	7.9300e-003	0.0826	2.5000e-004	0.0195	1.7000e-004	0.0197	5.1800e-003	1.6000e-004	5.3400e-003	0.0000	16.2747	16.2747	8.2000e-004	0.0000	16.2919

3.3 Grading - 2020**Mitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Fugitive Dust					0.6114	0.0000	0.6114	0.3254	0.0000	0.3254	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.4050	4.3952	3.4199	5.4900e-003		0.2013	0.2013		0.1852	0.1852	0.0000	482.6363	482.6363	0.1561	0.0000	485.9143
Total	0.4050	4.3952	3.4199	5.4900e-003	0.6114	0.2013	0.8127	0.3254	0.1852	0.5106	0.0000	482.6363	482.6363	0.1561	0.0000	485.9143

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	5.3700e-003	7.9300e-003	0.0826	2.5000e-004	0.0195	1.7000e-004	0.0197	5.1800e-003	1.6000e-004	5.3400e-003	0.0000	16.2747	16.2747	8.2000e-004	0.0000	16.2919
Total	5.3700e-003	7.9300e-003	0.0826	2.5000e-004	0.0195	1.7000e-004	0.0197	5.1800e-003	1.6000e-004	5.3400e-003	0.0000	16.2747	16.2747	8.2000e-004	0.0000	16.2919

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

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.0887	0.8015	0.7060	1.1300e-003		0.0467	0.0467		0.0440	0.0440	0.0000	96.8730	96.8730	0.0236	0.0000	97.3686
Total	0.0887	0.8015	0.7060	1.1300e-003		0.0467	0.0467		0.0440	0.0440	0.0000	96.8730	96.8730	0.0236	0.0000	97.3686

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.2448	2.1690	3.5653	7.6400e-003	0.2156	0.0351	0.2507	0.0615	0.0323	0.0938	0.0000	647.8414	647.8414	4.8100e-003	0.0000	647.9425
Worker	0.2711	0.4004	4.1724	0.0125	0.9854	8.5100e-003	0.9939	0.2617	7.8900e-003	0.2696	0.0000	822.1634	822.1634	0.0415	0.0000	823.0350
Total	0.5159	2.5694	7.7378	0.0201	1.2009	0.0436	1.2446	0.3232	0.0402	0.3634	0.0000	1,470.0048	1,470.0048	0.0463	0.0000	1,470.9775

3.4 Building Construction - 2020

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.0887	0.8015	0.7060	1.1300e-003		0.0467	0.0467		0.0440	0.0440	0.0000	96.8728	96.8728	0.0236	0.0000	97.3685
Total	0.0887	0.8015	0.7060	1.1300e-003		0.0467	0.0467		0.0440	0.0440	0.0000	96.8728	96.8728	0.0236	0.0000	97.3685

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.2448	2.1690	3.5653	7.6400e-003	0.2156	0.0351	0.2507	0.0615	0.0323	0.0938	0.0000	647.8414	647.8414	4.8100e-003	0.0000	647.9425
Worker	0.2711	0.4004	4.1724	0.0125	0.9854	8.5100e-003	0.9939	0.2617	7.8900e-003	0.2696	0.0000	822.1634	822.1634	0.0415	0.0000	823.0350
Total	0.5159	2.5694	7.7378	0.0201	1.2009	0.0436	1.2446	0.3232	0.0402	0.3634	0.0000	1,470.0048	1,470.0048	0.0463	0.0000	1,470.9775

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

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.2471	2.2629	2.1582	3.5000e-003		0.1246	0.1246		0.1172	0.1172	0.0000	301.0339	301.0339	0.0725	0.0000	302.5568
Total	0.2471	2.2629	2.1582	3.5000e-003		0.1246	0.1246		0.1172	0.1172	0.0000	301.0339	301.0339	0.0725	0.0000	302.5568

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.7336	5.7311	10.7863	0.0237	0.6698	0.0994	0.7692	0.1911	0.0914	0.2825	0.0000	2,011.3895	2,011.3895	0.0151	0.0000	2,011.7057
Worker	0.7963	1.1615	12.1632	0.0388	3.0617	0.0264	3.0880	0.8132	0.0245	0.8376	0.0000	2,514.5095	2,514.5095	0.1234	0.0000	2,517.1002
Total	1.5298	6.8925	22.9495	0.0625	3.7314	0.1257	3.8572	1.0042	0.1159	1.1201	0.0000	4,525.8990	4,525.8990	0.1384	0.0000	4,528.8059

3.4 Building Construction - 2021**Mitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.2471	2.2629	2.1582	3.5000e-003		0.1246	0.1246		0.1172	0.1172	0.0000	301.0335	301.0335	0.0725	0.0000	302.5565
Total	0.2471	2.2629	2.1582	3.5000e-003		0.1246	0.1246		0.1172	0.1172	0.0000	301.0335	301.0335	0.0725	0.0000	302.5565

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.7336	5.7311	10.7863	0.0237	0.6698	0.0994	0.7692	0.1911	0.0914	0.2825	0.0000	2,011.3895	2,011.3895	0.0151	0.0000	2,011.7057
Worker	0.7963	1.1615	12.1632	0.0388	3.0617	0.0264	3.0880	0.8132	0.0245	0.8376	0.0000	2,514.5095	2,514.5095	0.1234	0.0000	2,517.1002
Total	1.5298	6.8925	22.9495	0.0625	3.7314	0.1257	3.8572	1.0042	0.1159	1.1201	0.0000	4,525.8990	4,525.8990	0.1384	0.0000	4,528.8059

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

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.2209	2.0197	2.1226	3.4900e-003		0.1047	0.1047		0.0986	0.0986	0.0000	299.9946	299.9946	0.0718	0.0000	301.5017
Total	0.2209	2.0197	2.1226	3.4900e-003		0.1047	0.1047		0.0986	0.0986	0.0000	299.9946	299.9946	0.0718	0.0000	301.5017

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.7142	5.1829	10.4667	0.0236	0.6672	0.0979	0.7651	0.1903	0.0901	0.2804	0.0000	2,002.0338	2,002.0338	0.0153	0.0000	2,002.3557
Worker	0.7500	1.0830	11.3697	0.0387	3.0499	0.0261	3.0761	0.8101	0.0242	0.8343	0.0000	2,463.1460	2,463.1460	0.1176	0.0000	2,465.6156
Total	1.4641	6.2658	21.8364	0.0623	3.7172	0.1240	3.8412	1.0004	0.1143	1.1147	0.0000	4,465.1798	4,465.1798	0.1329	0.0000	4,467.9713

3.4 Building Construction - 2022**Mitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.2209	2.0197	2.1226	3.4900e-003		0.1047	0.1047		0.0986	0.0986	0.0000	299.9943	299.9943	0.0718	0.0000	301.5013
Total	0.2209	2.0197	2.1226	3.4900e-003		0.1047	0.1047		0.0986	0.0986	0.0000	299.9943	299.9943	0.0718	0.0000	301.5013

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.7142	5.1829	10.4667	0.0236	0.6672	0.0979	0.7651	0.1903	0.0901	0.2804	0.0000	2,002.0338	2,002.0338	0.0153	0.0000	2,002.3557
Worker	0.7500	1.0830	11.3697	0.0387	3.0499	0.0261	3.0761	0.8101	0.0242	0.8343	0.0000	2,463.1460	2,463.1460	0.1176	0.0000	2,465.6156
Total	1.4641	6.2658	21.8364	0.0623	3.7172	0.1240	3.8412	1.0004	0.1143	1.1147	0.0000	4,465.1798	4,465.1798	0.1329	0.0000	4,467.9713

3.4 Building Construction - 2023

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.2036	1.8606	2.1072	3.4900e-003		0.0906	0.0906		0.0852	0.0852	0.0000	300.0980	300.0980	0.0713	0.0000	301.5949
Total	0.2036	1.8606	2.1072	3.4900e-003		0.0906	0.0906		0.0852	0.0852	0.0000	300.0980	300.0980	0.0713	0.0000	301.5949

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.6627	4.1189	10.0787	0.0235	0.6672	0.0967	0.7639	0.1903	0.0890	0.2793	0.0000	1,992.5802	1,992.5802	0.0138	0.0000	1,992.8697
Worker	0.7089	1.0166	10.6803	0.0387	3.0499	0.0260	3.0760	0.8101	0.0241	0.8342	0.0000	2,424.8081	2,424.8081	0.1129	0.0000	2,427.1786
Total	1.3716	5.1355	20.7590	0.0622	3.7172	0.1227	3.8399	1.0004	0.1131	1.1135	0.0000	4,417.3883	4,417.3883	0.1267	0.0000	4,420.0484

3.4 Building Construction - 2023**Mitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.2036	1.8606	2.1072	3.4900e-003		0.0906	0.0906		0.0852	0.0852	0.0000	300.0976	300.0976	0.0713	0.0000	301.5946
Total	0.2036	1.8606	2.1072	3.4900e-003		0.0906	0.0906		0.0852	0.0852	0.0000	300.0976	300.0976	0.0713	0.0000	301.5946

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.6627	4.1189	10.0787	0.0235	0.6672	0.0967	0.7639	0.1903	0.0890	0.2793	0.0000	1,992.5802	1,992.5802	0.0138	0.0000	1,992.8697
Worker	0.7089	1.0166	10.6803	0.0387	3.0499	0.0260	3.0760	0.8101	0.0241	0.8342	0.0000	2,424.8081	2,424.8081	0.1129	0.0000	2,427.1786
Total	1.3716	5.1355	20.7590	0.0622	3.7172	0.1227	3.8399	1.0004	0.1131	1.1135	0.0000	4,417.3883	4,417.3883	0.1267	0.0000	4,420.0484

3.4 Building Construction - 2024

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.1920	1.7524	2.1135	3.5200e-003		0.0800	0.0800		0.0752	0.0752	0.0000	302.4646	302.4646	0.0714	0.0000	303.9643
Total	0.1920	1.7524	2.1135	3.5200e-003		0.0800	0.0800		0.0752	0.0752	0.0000	302.4646	302.4646	0.0714	0.0000	303.9643

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.6556	4.1254	9.9333	0.0237	0.6724	0.0975	0.7699	0.1918	0.0897	0.2815	0.0000	2,012.3355	2,012.3355	0.0141	0.0000	2,012.6308
Worker	0.6790	0.9683	10.2169	0.0392	3.0734	0.0265	3.0999	0.8163	0.0245	0.8408	0.0000	2,425.3929	2,425.3929	0.1108	0.0000	2,427.7189
Total	1.3346	5.0936	20.1502	0.0629	3.7458	0.1240	3.8697	1.0081	0.1143	1.1224	0.0000	4,437.7284	4,437.7284	0.1248	0.0000	4,440.3497

3.4 Building Construction - 2024

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.1920	1.7524	2.1135	3.5200e-003		0.0800	0.0800		0.0752	0.0752	0.0000	302.4642	302.4642	0.0714	0.0000	303.9639
Total	0.1920	1.7524	2.1135	3.5200e-003		0.0800	0.0800		0.0752	0.0752	0.0000	302.4642	302.4642	0.0714	0.0000	303.9639

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.6556	4.1254	9.9333	0.0237	0.6724	0.0975	0.7699	0.1918	0.0897	0.2815	0.0000	2,012.3355	2,012.3355	0.0141	0.0000	2,012.6308
Worker	0.6790	0.9683	10.2169	0.0392	3.0734	0.0265	3.0999	0.8163	0.0245	0.8408	0.0000	2,425.3929	2,425.3929	0.1108	0.0000	2,427.7189
Total	1.3346	5.0936	20.1502	0.0629	3.7458	0.1240	3.8697	1.0081	0.1143	1.1224	0.0000	4,437.7284	4,437.7284	0.1248	0.0000	4,440.3497

3.4 Building Construction - 2025**Unmitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.1777	1.6195	2.0948	3.5000e-003		0.0685	0.0685		0.0645	0.0645	0.0000	301.4019	301.4019	0.0707	0.0000	302.8874
Total	0.1777	1.6195	2.0948	3.5000e-003		0.0685	0.0685		0.0645	0.0645	0.0000	301.4019	301.4019	0.0707	0.0000	302.8874

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.6421	4.0811	9.7302	0.0236	0.6698	0.0976	0.7675	0.1911	0.0898	0.2809	0.0000	2,004.7556	2,004.7556	0.0141	0.0000	2,005.0509
Worker	0.6444	0.9147	9.6801	0.0391	3.0617	0.0264	3.0880	0.8132	0.0245	0.8376	0.0000	2,384.8351	2,384.8351	0.1068	0.0000	2,387.0774
Total	1.2865	4.9958	19.4103	0.0627	3.7315	0.1240	3.8555	1.0043	0.1143	1.1185	0.0000	4,389.5907	4,389.5907	0.1208	0.0000	4,392.1284

3.4 Building Construction - 2025**Mitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.1777	1.6195	2.0948	3.5000e-003		0.0685	0.0685		0.0645	0.0645	0.0000	301.4015	301.4015	0.0707	0.0000	302.8871
Total	0.1777	1.6195	2.0948	3.5000e-003		0.0685	0.0685		0.0645	0.0645	0.0000	301.4015	301.4015	0.0707	0.0000	302.8871

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.6421	4.0811	9.7302	0.0236	0.6698	0.0976	0.7675	0.1911	0.0898	0.2809	0.0000	2,004.7556	2,004.7556	0.0141	0.0000	2,005.0509
Worker	0.6444	0.9147	9.6801	0.0391	3.0617	0.0264	3.0880	0.8132	0.0245	0.8376	0.0000	2,384.8351	2,384.8351	0.1068	0.0000	2,387.0774
Total	1.2865	4.9958	19.4103	0.0627	3.7315	0.1240	3.8555	1.0043	0.1143	1.1185	0.0000	4,389.5907	4,389.5907	0.1208	0.0000	4,392.1284

3.4 Building Construction - 2026**Unmitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.1777	1.6195	2.0948	3.5000e-003		0.0685	0.0685		0.0645	0.0645	0.0000	301.4019	301.4019	0.0707	0.0000	302.8874
Total	0.1777	1.6195	2.0948	3.5000e-003		0.0685	0.0685		0.0645	0.0645	0.0000	301.4019	301.4019	0.0707	0.0000	302.8874

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.6221	3.9582	9.5497	0.0236	0.6698	0.0936	0.7634	0.1911	0.0861	0.2772	0.0000	2,004.3431	2,004.3431	0.0136	0.0000	2,004.6293
Worker	0.6150	0.8714	9.2444	0.0391	3.0617	0.0265	3.0881	0.8132	0.0246	0.8377	0.0000	2,357.3517	2,357.3517	0.1036	0.0000	2,359.5279
Total	1.2371	4.8296	18.7940	0.0627	3.7315	0.1200	3.8515	1.0043	0.1106	1.1149	0.0000	4,361.6948	4,361.6948	0.1173	0.0000	4,364.1571

3.4 Building Construction - 2026**Mitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.1777	1.6195	2.0948	3.5000e-003		0.0685	0.0685		0.0645	0.0645	0.0000	301.4015	301.4015	0.0707	0.0000	302.8871
Total	0.1777	1.6195	2.0948	3.5000e-003		0.0685	0.0685		0.0645	0.0645	0.0000	301.4015	301.4015	0.0707	0.0000	302.8871

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.6221	3.9582	9.5497	0.0236	0.6698	0.0936	0.7634	0.1911	0.0861	0.2772	0.0000	2,004.3431	2,004.3431	0.0136	0.0000	2,004.6293
Worker	0.6150	0.8714	9.2444	0.0391	3.0617	0.0265	3.0881	0.8132	0.0246	0.8377	0.0000	2,357.3517	2,357.3517	0.1036	0.0000	2,359.5279
Total	1.2371	4.8296	18.7940	0.0627	3.7315	0.1200	3.8515	1.0043	0.1106	1.1149	0.0000	4,361.6948	4,361.6948	0.1173	0.0000	4,364.1571

3.4 Building Construction - 2027**Unmitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.1777	1.6195	2.0948	3.5000e-003		0.0685	0.0685		0.0645	0.0645	0.0000	301.4019	301.4019	0.0707	0.0000	302.8874
Total	0.1777	1.6195	2.0948	3.5000e-003		0.0685	0.0685		0.0645	0.0645	0.0000	301.4019	301.4019	0.0707	0.0000	302.8874

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.6157	3.9261	9.4498	0.0236	0.6698	0.0938	0.7637	0.1911	0.0863	0.2774	0.0000	2,004.4930	2,004.4930	0.0137	0.0000	2,004.7799
Worker	0.5875	0.8323	8.8541	0.0391	3.0617	0.0265	3.0882	0.8132	0.0246	0.8378	0.0000	2,333.2607	2,333.2607	0.1008	0.0000	2,335.3773
Total	1.2032	4.7583	18.3039	0.0627	3.7315	0.1203	3.8519	1.0043	0.1109	1.1152	0.0000	4,337.7537	4,337.7537	0.1145	0.0000	4,340.1572

3.4 Building Construction - 2027**Mitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.1777	1.6195	2.0948	3.5000e-003		0.0685	0.0685		0.0645	0.0645	0.0000	301.4015	301.4015	0.0707	0.0000	302.8871
Total	0.1777	1.6195	2.0948	3.5000e-003		0.0685	0.0685		0.0645	0.0645	0.0000	301.4015	301.4015	0.0707	0.0000	302.8871

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.6157	3.9261	9.4498	0.0236	0.6698	0.0938	0.7637	0.1911	0.0863	0.2774	0.0000	2,004.4930	2,004.4930	0.0137	0.0000	2,004.7799
Worker	0.5875	0.8323	8.8541	0.0391	3.0617	0.0265	3.0882	0.8132	0.0246	0.8378	0.0000	2,333.2607	2,333.2607	0.1008	0.0000	2,335.3773
Total	1.2032	4.7583	18.3039	0.0627	3.7315	0.1203	3.8519	1.0043	0.1109	1.1152	0.0000	4,337.7537	4,337.7537	0.1145	0.0000	4,340.1572

3.4 Building Construction - 2028**Unmitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.1770	1.6133	2.0867	3.4900e-003		0.0683	0.0683		0.0642	0.0642	0.0000	300.2471	300.2471	0.0705	0.0000	301.7269
Total	0.1770	1.6133	2.0867	3.4900e-003		0.0683	0.0683		0.0642	0.0642	0.0000	300.2471	300.2471	0.0705	0.0000	301.7269

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.6054	3.8732	9.3218	0.0235	0.6673	0.0928	0.7601	0.1904	0.0854	0.2758	0.0000	1,996.8399	1,996.8399	0.0135	0.0000	1,997.1243
Worker	0.5604	0.7940	8.4816	0.0389	3.0499	0.0265	3.0764	0.8101	0.0246	0.8347	0.0000	2,303.6045	2,303.6045	0.0979	0.0000	2,305.6605
Total	1.1658	4.6672	17.8035	0.0624	3.7173	0.1193	3.8366	1.0004	0.1100	1.1104	0.0000	4,300.4444	4,300.4444	0.1114	0.0000	4,302.7848

3.4 Building Construction - 2028**Mitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.1770	1.6133	2.0867	3.4900e-003		0.0683	0.0683		0.0642	0.0642	0.0000	300.2467	300.2467	0.0705	0.0000	301.7266
Total	0.1770	1.6133	2.0867	3.4900e-003		0.0683	0.0683		0.0642	0.0642	0.0000	300.2467	300.2467	0.0705	0.0000	301.7266

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.6054	3.8732	9.3218	0.0235	0.6673	0.0928	0.7601	0.1904	0.0854	0.2758	0.0000	1,996.8399	1,996.8399	0.0135	0.0000	1,997.1243
Worker	0.5604	0.7940	8.4816	0.0389	3.0499	0.0265	3.0764	0.8101	0.0246	0.8347	0.0000	2,303.6045	2,303.6045	0.0979	0.0000	2,305.6605
Total	1.1658	4.6672	17.8035	0.0624	3.7173	0.1193	3.8366	1.0004	0.1100	1.1104	0.0000	4,300.4444	4,300.4444	0.1114	0.0000	4,302.7848

3.4 Building Construction - 2029**Unmitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.1777	1.6195	2.0948	3.5000e-003		0.0685	0.0685		0.0645	0.0645	0.0000	301.4019	301.4019	0.0707	0.0000	302.8874
Total	0.1777	1.6195	2.0948	3.5000e-003		0.0685	0.0685		0.0645	0.0645	0.0000	301.4019	301.4019	0.0707	0.0000	302.8874

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.6008	3.8689	9.2526	0.0236	0.6699	0.0933	0.7632	0.1911	0.0859	0.2770	0.0000	2,004.5926	2,004.5926	0.0136	0.0000	2,004.8785
Worker	0.5373	0.7618	8.1741	0.0391	3.0617	0.0266	3.0883	0.8132	0.0247	0.8379	0.0000	2,294.3500	2,294.3500	0.0958	0.0000	2,296.3617
Total	1.1381	4.6307	17.4267	0.0627	3.7316	0.1199	3.8515	1.0043	0.1106	1.1148	0.0000	4,298.9426	4,298.9426	0.1094	0.0000	4,301.2402

3.4 Building Construction - 2029**Mitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.1777	1.6195	2.0948	3.5000e-003		0.0685	0.0685		0.0645	0.0645	0.0000	301.4015	301.4015	0.0707	0.0000	302.8871
Total	0.1777	1.6195	2.0948	3.5000e-003		0.0685	0.0685		0.0645	0.0645	0.0000	301.4015	301.4015	0.0707	0.0000	302.8871

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.6008	3.8689	9.2526	0.0236	0.6699	0.0933	0.7632	0.1911	0.0859	0.2770	0.0000	2,004.5926	2,004.5926	0.0136	0.0000	2,004.8785
Worker	0.5373	0.7618	8.1741	0.0391	3.0617	0.0266	3.0883	0.8132	0.0247	0.8379	0.0000	2,294.3500	2,294.3500	0.0958	0.0000	2,296.3617
Total	1.1381	4.6307	17.4267	0.0627	3.7316	0.1199	3.8515	1.0043	0.1106	1.1148	0.0000	4,298.9426	4,298.9426	0.1094	0.0000	4,301.2402

3.4 Building Construction - 2030**Unmitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.1702	1.0333	2.1051	4.0200e-003		0.0193	0.0193		0.0193	0.0193	0.0000	341.5281	341.5281	0.0137	0.0000	341.8160
Total	0.1702	1.0333	2.1051	4.0200e-003		0.0193	0.0193		0.0193	0.0193	0.0000	341.5281	341.5281	0.0137	0.0000	341.8160

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.5944	3.8519	9.1843	0.0236	0.6699	0.0935	0.7634	0.1911	0.0860	0.2771	0.0000	2,004.6144	2,004.6144	0.0136	0.0000	2,004.9007
Worker	0.5132	0.7282	7.8707	0.0391	3.0617	0.0266	3.0883	0.8132	0.0247	0.8378	0.0000	2,278.7143	2,278.7143	0.0935	0.0000	2,280.6769
Total	1.1076	4.5801	17.0550	0.0627	3.7316	0.1201	3.8516	1.0043	0.1107	1.1149	0.0000	4,283.3287	4,283.3287	0.1071	0.0000	4,285.5776

3.4 Building Construction - 2030

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.1702	1.0333	2.1051	4.0200e-003		0.0193	0.0193		0.0193	0.0193	0.0000	341.5277	341.5277	0.0137	0.0000	341.8156
Total	0.1702	1.0333	2.1051	4.0200e-003		0.0193	0.0193		0.0193	0.0193	0.0000	341.5277	341.5277	0.0137	0.0000	341.8156

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.5944	3.8519	9.1843	0.0236	0.6699	0.0935	0.7634	0.1911	0.0860	0.2771	0.0000	2,004.6144	2,004.6144	0.0136	0.0000	2,004.9007
Worker	0.5132	0.7282	7.8707	0.0391	3.0617	0.0266	3.0883	0.8132	0.0247	0.8378	0.0000	2,278.7143	2,278.7143	0.0935	0.0000	2,280.6769
Total	1.1076	4.5801	17.0550	0.0627	3.7316	0.1201	3.8516	1.0043	0.1107	1.1149	0.0000	4,283.3287	4,283.3287	0.1071	0.0000	4,285.5776

3.4 Building Construction - 2031**Unmitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.1702	1.0333	2.1051	4.0200e-003		0.0193	0.0193		0.0193	0.0193	0.0000	341.5281	341.5281	0.0137	0.0000	341.8160
Total	0.1702	1.0333	2.1051	4.0200e-003		0.0193	0.0193		0.0193	0.0193	0.0000	341.5281	341.5281	0.0137	0.0000	341.8160

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.5918	3.8400	9.1368	0.0236	0.6699	0.0931	0.7629	0.1911	0.0856	0.2767	0.0000	2,005.6796	2,005.6796	0.0137	0.0000	2,005.9675
Worker	0.4898	0.6963	7.5990	0.0391	3.0617	0.0266	3.0883	0.8132	0.0247	0.8379	0.0000	2,269.6233	2,269.6233	0.0916	0.0000	2,271.5471
Total	1.0816	4.5363	16.7358	0.0628	3.7316	0.1197	3.8512	1.0043	0.1103	1.1146	0.0000	4,275.3029	4,275.3029	0.1053	0.0000	4,277.5146

3.4 Building Construction - 2031**Mitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.1702	1.0333	2.1051	4.0200e-003		0.0193	0.0193		0.0193	0.0193	0.0000	341.5277	341.5277	0.0137	0.0000	341.8156
Total	0.1702	1.0333	2.1051	4.0200e-003		0.0193	0.0193		0.0193	0.0193	0.0000	341.5277	341.5277	0.0137	0.0000	341.8156

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.5918	3.8400	9.1368	0.0236	0.6699	0.0931	0.7629	0.1911	0.0856	0.2767	0.0000	2,005.6796	2,005.6796	0.0137	0.0000	2,005.9675
Worker	0.4898	0.6963	7.5990	0.0391	3.0617	0.0266	3.0883	0.8132	0.0247	0.8379	0.0000	2,269.6233	2,269.6233	0.0916	0.0000	2,271.5471
Total	1.0816	4.5363	16.7358	0.0628	3.7316	0.1197	3.8512	1.0043	0.1103	1.1146	0.0000	4,275.3029	4,275.3029	0.1053	0.0000	4,277.5146

3.4 Building Construction - 2032**Unmitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.1708	1.0372	2.1132	4.0400e-003		0.0193	0.0193		0.0193	0.0193	0.0000	342.8367	342.8367	0.0138	0.0000	343.1257
Total	0.1708	1.0372	2.1132	4.0400e-003		0.0193	0.0193		0.0193	0.0193	0.0000	342.8367	342.8367	0.0138	0.0000	343.1257

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.5908	3.8429	9.1417	0.0237	0.6724	0.0936	0.7660	0.1918	0.0861	0.2779	0.0000	2,013.4365	2,013.4365	0.0138	0.0000	2,013.7259
Worker	0.4664	0.6704	7.3804	0.0393	3.0734	0.0266	3.1000	0.8163	0.0247	0.8410	0.0000	2,266.9296	2,266.9296	0.0900	0.0000	2,268.8193
Total	1.0573	4.5133	16.5220	0.0630	3.7458	0.1202	3.8660	1.0081	0.1108	1.1189	0.0000	4,280.3661	4,280.3661	0.1038	0.0000	4,282.5453

3.4 Building Construction - 2032**Mitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.1708	1.0372	2.1132	4.0400e-003		0.0193	0.0193		0.0193	0.0193	0.0000	342.8363	342.8363	0.0138	0.0000	343.1252
Total	0.1708	1.0372	2.1132	4.0400e-003		0.0193	0.0193		0.0193	0.0193	0.0000	342.8363	342.8363	0.0138	0.0000	343.1252

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.5908	3.8429	9.1417	0.0237	0.6724	0.0936	0.7660	0.1918	0.0861	0.2779	0.0000	2,013.4365	2,013.4365	0.0138	0.0000	2,013.7259
Worker	0.4664	0.6704	7.3804	0.0393	3.0734	0.0266	3.1000	0.8163	0.0247	0.8410	0.0000	2,266.9296	2,266.9296	0.0900	0.0000	2,268.8193
Total	1.0573	4.5133	16.5220	0.0630	3.7458	0.1202	3.8660	1.0081	0.1108	1.1189	0.0000	4,280.3661	4,280.3661	0.1038	0.0000	4,282.5453

3.4 Building Construction - 2033**Unmitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.0554	0.3365	0.6856	1.3100e-003		6.2700e-003	6.2700e-003		6.2700e-003	6.2700e-003	0.0000	111.2256	111.2256	4.4600e-003	0.0000	111.3194
Total	0.0554	0.3365	0.6856	1.3100e-003		6.2700e-003	6.2700e-003		6.2700e-003	6.2700e-003	0.0000	111.2256	111.2256	4.4600e-003	0.0000	111.3194

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.1907	1.2425	2.9575	7.6900e-003	0.2182	0.0304	0.2486	0.0622	0.0280	0.0902	0.0000	653.2185	653.2185	4.4800e-003	0.0000	653.3125
Worker	0.1444	0.2097	2.3281	0.0128	0.9971	8.6000e-003	1.0057	0.2648	7.9800e-003	0.2728	0.0000	732.3674	732.3674	0.0286	0.0000	732.9688
Total	0.3351	1.4522	5.2855	0.0204	1.2153	0.0390	1.2543	0.3271	0.0360	0.3630	0.0000	1,385.5859	1,385.5859	0.0331	0.0000	1,386.2813

3.4 Building Construction - 2033**Mitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.0554	0.3365	0.6856	1.3100e-003		6.2700e-003	6.2700e-003		6.2700e-003	6.2700e-003	0.0000	111.2255	111.2255	4.4600e-003	0.0000	111.3193
Total	0.0554	0.3365	0.6856	1.3100e-003		6.2700e-003	6.2700e-003		6.2700e-003	6.2700e-003	0.0000	111.2255	111.2255	4.4600e-003	0.0000	111.3193

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.1907	1.2425	2.9575	7.6900e-003	0.2182	0.0304	0.2486	0.0622	0.0280	0.0902	0.0000	653.2185	653.2185	4.4800e-003	0.0000	653.3125
Worker	0.1444	0.2097	2.3281	0.0128	0.9971	8.6000e-003	1.0057	0.2648	7.9800e-003	0.2728	0.0000	732.3674	732.3674	0.0286	0.0000	732.9688
Total	0.3351	1.4522	5.2855	0.0204	1.2153	0.0390	1.2543	0.3271	0.0360	0.3630	0.0000	1,385.5859	1,385.5859	0.0331	0.0000	1,386.2813

3.5 Paving - 2033**Unmitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.1186	0.6108	1.3579	2.4000e-003		0.0283	0.0283		0.0283	0.0283	0.0000	206.3835	206.3835	9.6700e-003	0.0000	206.5866
Paving	1.8800e-003					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total	0.1204	0.6108	1.3579	2.4000e-003		0.0283	0.0283		0.0283	0.0283	0.0000	206.3835	206.3835	9.6700e-003	0.0000	206.5866

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	2.0800e-003	3.0200e-003	0.0336	1.8000e-004	0.0144	1.2000e-004	0.0145	3.8200e-003	1.2000e-004	3.9400e-003	0.0000	10.5639	10.5639	4.1000e-004	0.0000	10.5725
Total	2.0800e-003	3.0200e-003	0.0336	1.8000e-004	0.0144	1.2000e-004	0.0145	3.8200e-003	1.2000e-004	3.9400e-003	0.0000	10.5639	10.5639	4.1000e-004	0.0000	10.5725

3.5 Paving - 2033**Mitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.1186	0.6108	1.3579	2.4000e-003		0.0283	0.0283		0.0283	0.0283	0.0000	206.3832	206.3832	9.6700e-003	0.0000	206.5864
Paving	1.8800e-003					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total	0.1204	0.6108	1.3579	2.4000e-003		0.0283	0.0283		0.0283	0.0283	0.0000	206.3832	206.3832	9.6700e-003	0.0000	206.5864

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	2.0800e-003	3.0200e-003	0.0336	1.8000e-004	0.0144	1.2000e-004	0.0145	3.8200e-003	1.2000e-004	3.9400e-003	0.0000	10.5639	10.5639	4.1000e-004	0.0000	10.5725
Total	2.0800e-003	3.0200e-003	0.0336	1.8000e-004	0.0144	1.2000e-004	0.0145	3.8200e-003	1.2000e-004	3.9400e-003	0.0000	10.5639	10.5639	4.1000e-004	0.0000	10.5725

3.5 Paving - 2034**Unmitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.0305	0.1571	0.3492	6.2000e-004		7.2800e-003	7.2800e-003		7.2800e-003	7.2800e-003	0.0000	53.0700	53.0700	2.4900e-003	0.0000	53.1223
Paving	4.8000e-004					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total	0.0310	0.1571	0.3492	6.2000e-004		7.2800e-003	7.2800e-003		7.2800e-003	7.2800e-003	0.0000	53.0700	53.0700	2.4900e-003	0.0000	53.1223

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	5.1000e-004	7.5000e-004	8.3900e-003	5.0000e-005	3.7000e-003	3.0000e-005	3.7300e-003	9.8000e-004	3.0000e-005	1.0100e-003	0.0000	2.7066	2.7066	1.0000e-004	0.0000	2.7088
Total	5.1000e-004	7.5000e-004	8.3900e-003	5.0000e-005	3.7000e-003	3.0000e-005	3.7300e-003	9.8000e-004	3.0000e-005	1.0100e-003	0.0000	2.7066	2.7066	1.0000e-004	0.0000	2.7088

3.5 Paving - 2034**Mitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.0305	0.1571	0.3492	6.2000e-004		7.2800e-003	7.2800e-003		7.2800e-003	7.2800e-003	0.0000	53.0700	53.0700	2.4900e-003	0.0000	53.1222
Paving	4.8000e-004					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total	0.0310	0.1571	0.3492	6.2000e-004		7.2800e-003	7.2800e-003		7.2800e-003	7.2800e-003	0.0000	53.0700	53.0700	2.4900e-003	0.0000	53.1222

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	5.1000e-004	7.5000e-004	8.3900e-003	5.0000e-005	3.7000e-003	3.0000e-005	3.7300e-003	9.8000e-004	3.0000e-005	1.0100e-003	0.0000	2.7066	2.7066	1.0000e-004	0.0000	2.7088
Total	5.1000e-004	7.5000e-004	8.3900e-003	5.0000e-005	3.7000e-003	3.0000e-005	3.7300e-003	9.8000e-004	3.0000e-005	1.0100e-003	0.0000	2.7066	2.7066	1.0000e-004	0.0000	2.7088

3.6 Architectural Coating - 2034**Unmitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Archit. Coating	0.0701					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.0141	0.0921	0.1933	3.2000e-004		2.1800e-003	2.1800e-003		2.1800e-003	2.1800e-003	0.0000	27.4475	27.4475	1.1100e-003	0.0000	27.4708
Total	0.0842	0.0921	0.1933	3.2000e-004		2.1800e-003	2.1800e-003		2.1800e-003	2.1800e-003	0.0000	27.4475	27.4475	1.1100e-003	0.0000	27.4708

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.0699	0.1027	1.1443	6.4500e-003	0.5042	4.3300e-003	0.5085	0.1339	4.0200e-003	0.1379	0.0000	368.9816	368.9816	0.0142	0.0000	369.2800
Total	0.0699	0.1027	1.1443	6.4500e-003	0.5042	4.3300e-003	0.5085	0.1339	4.0200e-003	0.1379	0.0000	368.9816	368.9816	0.0142	0.0000	369.2800

3.6 Architectural Coating - 2034

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Archit. Coating	0.0701					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.0141	0.0921	0.1933	3.2000e-004		2.1800e-003	2.1800e-003		2.1800e-003	2.1800e-003	0.0000	27.4475	27.4475	1.1100e-003	0.0000	27.4708
Total	0.0842	0.0921	0.1933	3.2000e-004		2.1800e-003	2.1800e-003		2.1800e-003	2.1800e-003	0.0000	27.4475	27.4475	1.1100e-003	0.0000	27.4708

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.0699	0.1027	1.1443	6.4500e-003	0.5042	4.3300e-003	0.5085	0.1339	4.0200e-003	0.1379	0.0000	368.9816	368.9816	0.0142	0.0000	369.2800
Total	0.0699	0.1027	1.1443	6.4500e-003	0.5042	4.3300e-003	0.5085	0.1339	4.0200e-003	0.1379	0.0000	368.9816	368.9816	0.0142	0.0000	369.2800

3.6 Architectural Coating - 2035

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Archit. Coating	1.6300e-003					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	2.9000e-004	1.8900e-003	4.4900e-003	1.0000e-005		2.0000e-005	2.0000e-005		2.0000e-005	2.0000e-005	0.0000	0.6383	0.6383	2.0000e-005	0.0000	0.6388
Total	1.9200e-003	1.8900e-003	4.4900e-003	1.0000e-005		2.0000e-005	2.0000e-005		2.0000e-005	2.0000e-005	0.0000	0.6383	0.6383	2.0000e-005	0.0000	0.6388

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	1.5700e-003	2.3300e-003	0.0260	1.5000e-004	0.0117	1.0000e-004	0.0118	3.1100e-003	9.0000e-005	3.2100e-003	0.0000	8.5554	8.5554	3.3000e-004	0.0000	8.5623
Total	1.5700e-003	2.3300e-003	0.0260	1.5000e-004	0.0117	1.0000e-004	0.0118	3.1100e-003	9.0000e-005	3.2100e-003	0.0000	8.5554	8.5554	3.3000e-004	0.0000	8.5623

3.6 Architectural Coating - 2035

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Archit. Coating	1.6300e-003					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	2.9000e-004	1.8900e-003	4.4900e-003	1.0000e-005		2.0000e-005	2.0000e-005		2.0000e-005	2.0000e-005	0.0000	0.6383	0.6383	2.0000e-005	0.0000	0.6388
Total	1.9200e-003	1.8900e-003	4.4900e-003	1.0000e-005		2.0000e-005	2.0000e-005		2.0000e-005	2.0000e-005	0.0000	0.6383	0.6383	2.0000e-005	0.0000	0.6388

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	1.5700e-003	2.3300e-003	0.0260	1.5000e-004	0.0117	1.0000e-004	0.0118	3.1100e-003	9.0000e-005	3.2100e-003	0.0000	8.5554	8.5554	3.3000e-004	0.0000	8.5623
Total	1.5700e-003	2.3300e-003	0.0260	1.5000e-004	0.0117	1.0000e-004	0.0118	3.1100e-003	9.0000e-005	3.2100e-003	0.0000	8.5554	8.5554	3.3000e-004	0.0000	8.5623

4.0 Operational Detail - Mobile

4.1 Mitigation Measures Mobile

Increase Transit Accessibility

Improve Pedestrian Network

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Mitigated	0.7848	1.9620	8.6794	0.0363	2.2845	0.0523	2.3367	0.6126	0.0482	0.6608	0.0000	2,365.022 3	2,365.022 3	0.0636	0.0000	2,366.357 2
Unmitigated	0.8086	2.1154	9.2114	0.0399	2.5213	0.0572	2.5785	0.6761	0.0528	0.7289	0.0000	2,602.065 5	2,602.065 5	0.0697	0.0000	2,603.528 7

4.2 Trip Summary Information

Land Use	Average Daily Trip Rate			Unmitigated	Mitigated
	Weekday	Saturday	Sunday	Annual VMT	Annual VMT
City Park	2,304.00	2,304.00	2304.00	6,629,852	6,007,089
Parking Lot	0.00	0.00	0.00		
Total	2,304.00	2,304.00	2,304.00	6,629,852	6,007,089

4.3 Trip Type Information

Land Use	Miles			Trip %			Trip Purpose %		
	H-W or C-W	H-S or C-C	H-O or C-NW	H-W or C-W	H-S or C-C	H-O or C-NW	Primary	Diverted	Pass-by
City Park	16.60	8.40	6.90	33.00	48.00	19.00	66	28	6
Parking Lot	16.60	8.40	6.90	0.00	0.00	0.00	0	0	0

LDA	LDT1	LDT2	MDV	LHD1	LHD2	MHD	HHD	OBUS	UBUS	MCY	SBUS	MH
0.491908	0.059855	0.185077	0.131229	0.044940	0.007356	0.019164	0.046757	0.003019	0.003347	0.004084	0.000506	0.002760

5.0 Energy Detail

4.4 Fleet Mix

Historical Energy Use: N

5.1 Mitigation Measures Energy

[illegible]

5.2 Energy by Land Use - NaturalGas

Unmitigated

[illegible]

Mitigated

[illegible]

5.3 Energy by Land Use - Electricity

Unmitigated

	Electricity Use	Total CO2	CH4	N2O	CO2e
Land Use	kWh/yr	MT/yr			
City Park	0	0.0000	0.0000	0.0000	0.0000
Parking Lot	70400	20.1462	9.3000e-004	1.9000e-004	20.2250
Total		20.1462	9.3000e-004	1.9000e-004	20.2250

Mitigated

	Electricity Use	Total CO2	CH4	N2O	CO2e
Land Use	kWh/yr	MT/yr			
City Park	0	0.0000	0.0000	0.0000	0.0000
Parking Lot	70400	20.1462	9.3000e-004	1.9000e-004	20.2250
Total		20.1462	9.3000e-004	1.9000e-004	20.2250

6.0 Area Detail

6.1 Mitigation Measures Area

Use Low VOC Paint - Non-Residential Interior

Use Low VOC Paint - Non-Residential Exterior

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Mitigated	18.7187	4.0000e-005	4.0000e-003	0.0000		1.0000e-005	1.0000e-005		1.0000e-005	1.0000e-005	0.0000	7.8200e-003	7.8200e-003	2.0000e-005	0.0000	8.2500e-003
Unmitigated	18.7402	4.0000e-005	4.0000e-003	0.0000		1.0000e-005	1.0000e-005		1.0000e-005	1.0000e-005	0.0000	7.8200e-003	7.8200e-003	2.0000e-005	0.0000	8.2500e-003

6.2 Area by SubCategory

Unmitigated

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
SubCategory	tons/yr										MT/yr					
Architectural Coating	0.3178					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Consumer Products	18.4220					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Landscaping	3.7000e-004	4.0000e-005	4.0000e-003	0.0000		1.0000e-005	1.0000e-005		1.0000e-005	1.0000e-005	0.0000	7.8200e-003	7.8200e-003	2.0000e-005	0.0000	8.2500e-003
Total	18.7402	4.0000e-005	4.0000e-003	0.0000		1.0000e-005	1.0000e-005		1.0000e-005	1.0000e-005	0.0000	7.8200e-003	7.8200e-003	2.0000e-005	0.0000	8.2500e-003

6.2 Area by SubCategory

Mitigated

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
SubCategory	tons/yr										MT/yr					
Architectural Coating	0.2963					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Consumer Products	18.4220					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Landscaping	3.7000e-004	4.0000e-005	4.0000e-003	0.0000		1.0000e-005	1.0000e-005		1.0000e-005	1.0000e-005	0.0000	7.8200e-003	7.8200e-003	2.0000e-005	0.0000	8.2500e-003
Total	18.7187	4.0000e-005	4.0000e-003	0.0000		1.0000e-005	1.0000e-005		1.0000e-005	1.0000e-005	0.0000	7.8200e-003	7.8200e-003	2.0000e-005	0.0000	8.2500e-003

7.0 Water Detail

7.1 Mitigation Measures Water

Apply Water Conservation Strategy

	Total CO2	CH4	N2O	CO2e
Category	MT/yr			
Mitigated	349.1107	0.0161	3.3200e-003	350.4770
Unmitigated	436.3884	0.0201	4.1500e-003	438.0962

7.2 Water by Land Use

Unmitigated

	Indoor/Outdoor Use	Total CO2	CH4	N2O	CO2e
Land Use	Mgal	MT/yr			
City Park	0 / 137.259	436.3884	0.0201	4.1500e-003	438.0962
Parking Lot	0 / 0	0.0000	0.0000	0.0000	0.0000
Total		436.3884	0.0201	4.1500e-003	438.0962

Mitigated

	Indoor/Outdoor Use	Total CO2	CH4	N2O	CO2e
Land Use	Mgal	MT/yr			
City Park	0 / 109.807	349.1107	0.0161	3.3200e-003	350.4770
Parking Lot	0 / 0	0.0000	0.0000	0.0000	0.0000
Total		349.1107	0.0161	3.3200e-003	350.4770

8.0 Waste Detail

8.1 Mitigation Measures Waste

Institute Recycling and Composting Services

Category/Year

	Total CO2	CH4	N2O	CO2e
	MT/yr			
Mitigated	0.5029	0.0297	0.0000	1.1271
Unmitigated	2.0116	0.1189	0.0000	4.5082

8.2 Waste by Land Use**Unmitigated**

	Waste Disposed	Total CO2	CH4	N2O	CO2e
Land Use	tons	MT/yr			
City Park	9.91	2.0116	0.1189	0.0000	4.5082
Parking Lot	0	0.0000	0.0000	0.0000	0.0000
Total		2.0116	0.1189	0.0000	4.5082

8.2 Waste by Land Use

Mitigated

	Waste Disposed	Total CO2	CH4	N2O	CO2e
Land Use	tons	MT/yr			
City Park	2.4775	0.5029	0.0297	0.0000	1.1271
Parking Lot	0	0.0000	0.0000	0.0000	0.0000
Total		0.5029	0.0297	0.0000	1.1271

9.0 Operational Offroad

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

10.0 Vegetation

JN 6351a Puente Hills Landfill Park High Build Alternative
Los Angeles-South Coast County, Annual

1.0 Project Characteristics

1.1 Land Usage

Land Uses	Size	Metric	Lot Acreage	Floor Surface Area	Population
Parking Lot	600.00	Space	5.40	240,000.00	0
City Park	111.60	Acre	111.60	4,861,296.00	0

1.2 Other Project Characteristics

Urbanization	Urban	Wind Speed (m/s)	2.2	Precipitation Freq (Days)	33
Climate Zone	9			Operational Year	2035
Utility Company	Southern California Edison				
CO2 Intensity (lb/MWhr)	630.89	CH4 Intensity (lb/MWhr)	0.029	N2O Intensity (lb/MWhr)	0.006

1.3 User Entered Comments & Non-Default Data

Project Characteristics -

Land Use - Designated as 117-acre "regional park" in the TIA. 600 parking spaces total.

Construction Phase - Construction starts no earlier than 2017. Full buildout in 2035.

Grading - Site is 117 acres of improvements

Architectural Coating - SCAQMD Rule 1113 limits paints to 50g/L VOC. Approx 40,250 SF of onsite buildings/structures to be painted only; 60,375 SF interior; 20,125 SF exterior.

Vehicle Trips - Trip gen rate from TIA. 23 trips per acre.

Area Coating - SCAQMD Rule 1113 limits paints to 50g/L VOC. Approx 40,250 SF of onsite buildings/structures to be painted only; 60,375 SF interior; 20,125 SF exterior.

Construction Off-road Equipment Mitigation -

Mobile Land Use Mitigation - Paths and trails onsite, connecting off-site. Bus stop 0.6 miles from park entrance.

Area Mitigation - SCAQMD Rule 1113 limits paints to 50g/L VOC.

Water Mitigation - Drought-tolerant plants used in landscaping. 20% reduction in water use per CalGreen requirements.

Waste Mitigation - Recycling 75% per AB 341

Table Name	Column Name	Default Value	New Value
tblArchitecturalCoating	ConstArea_Nonresidential_Exterior	2,434,248.00	20,125.00
tblArchitecturalCoating	ConstArea_Nonresidential_Interior	7,302,744.00	60,375.00
tblArchitecturalCoating	EF_Nonresidential_Exterior	250.00	50.00
tblArchitecturalCoating	EF_Nonresidential_Interior	250.00	50.00
tblAreaCoating	Area_EF_Nonresidential_Exterior	250	50
tblAreaCoating	Area_Nonresidential_Interior	7302750	60375
tblAreaMitigation	UseLowVOCPaintNonresidentialInteriorValue	250	50
tblConstructionPhase	NumDays	3,100.00	3,300.00
tblConstructionPhase	NumDays	310.00	500.00
tblConstructionPhase	NumDays	120.00	200.00
tblConstructionPhase	PhaseEndDate	9/6/2019	9/4/2020
tblConstructionPhase	PhaseStartDate	10/7/2017	10/7/2018
tblGrading	AcresOfGrading	1,250.00	117.00
tblGrading	AcresOfGrading	0.00	117.00
tblProjectCharacteristics	OperationalYear	2014	2035
tblVehicleTrips	ST_TR	1.59	23.00
tblVehicleTrips	SU_TR	1.59	23.00
tblVehicleTrips	WD_TR	1.59	23.00

2.0 Emissions Summary

2.1 Overall Construction

Unmitigated Construction

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Year	tons/yr										MT/yr					
2017	0.4909	5.1857	4.0478	4.1600e-003	1.8884	0.2756	2.1640	1.0050	0.2536	1.2586	0.0000	381.6796	381.6796	0.1123	0.0000	384.0375
2018	0.1635	1.8190	1.3236	1.9700e-003	1.5743	0.0851	1.6593	0.8360	0.0783	0.9143	0.0000	177.9510	177.9510	0.0538	0.0000	179.0815
2019	0.6467	7.0854	5.3878	8.4100e-003	1.5962	0.3271	1.9233	0.8419	0.3010	1.1428	0.0000	748.3664	748.3664	0.2302	0.0000	753.2001
2020	1.0151	7.7744	11.9501	0.0270	2.7889	0.2919	3.0808	1.1629	0.2695	1.4324	0.0000	2,066.5573	2,066.5573	0.2269	0.0000	2,071.3217
2021	1.7776	9.1565	25.1190	0.0661	3.7343	0.2504	3.9847	1.0050	0.2331	1.2381	0.0000	4,829.2817	4,829.2817	0.2111	0.0000	4,833.7141
2022	1.6857	8.2866	23.9696	0.0658	3.7200	0.2288	3.9488	1.0012	0.2129	1.2141	0.0000	4,767.4753	4,767.4753	0.2048	0.0000	4,771.7763
2023	1.5759	6.9971	22.8762	0.0657	3.7200	0.2133	3.9333	1.0012	0.1983	1.1995	0.0000	4,719.7514	4,719.7514	0.1981	0.0000	4,723.9106
2024	1.5272	6.8470	22.2732	0.0665	3.7486	0.2040	3.9526	1.0089	0.1895	1.1984	0.0000	4,742.4586	4,742.4586	0.1963	0.0000	4,746.5819
2025	1.4648	6.6161	21.5141	0.0662	3.7343	0.1925	3.9269	1.0050	0.1788	1.1838	0.0000	4,693.2204	4,693.2204	0.1917	0.0000	4,697.2457
2026	1.4153	6.4499	20.8974	0.0662	3.7344	0.1886	3.9229	1.0050	0.1751	1.1801	0.0000	4,665.2988	4,665.2988	0.1881	0.0000	4,669.2487
2027	1.3814	6.3786	20.4069	0.0662	3.7344	0.1889	3.9233	1.0050	0.1754	1.1804	0.0000	4,641.3352	4,641.3352	0.1853	0.0000	4,645.2262
2028	1.3433	6.2812	19.8981	0.0660	3.7201	0.1876	3.9077	1.0012	0.1742	1.1754	0.0000	4,602.8434	4,602.8434	0.1820	0.0000	4,606.6655
2029	1.3163	6.2508	19.5291	0.0662	3.7344	0.1885	3.9229	1.0050	0.1750	1.1801	0.0000	4,602.4877	4,602.4877	0.1802	0.0000	4,606.2728
2030	1.2783	5.6141	19.1675	0.0667	3.7344	0.1393	3.8738	1.0050	0.1299	1.1350	0.0000	4,626.9855	4,626.9855	0.1209	0.0000	4,629.5241
2031	1.2523	5.5703	18.8480	0.0668	3.7344	0.1389	3.8734	1.0050	0.1296	1.1346	0.0000	4,618.9511	4,618.9511	0.1191	0.0000	4,621.4526
2032	1.2285	5.5512	18.6421	0.0671	3.7487	0.1395	3.8883	1.0089	0.1301	1.1390	0.0000	4,625.3204	4,625.3204	0.1176	0.0000	4,627.7903
2033	0.5169	2.4026	7.3648	0.0243	1.2306	0.0737	1.3043	0.3311	0.0706	0.4018	0.0000	1,714.4430	1,714.4430	0.0477	0.0000	1,715.4446
2034	0.2077	0.3528	1.6978	7.4400e-003	0.5091	0.0138	0.5229	0.1352	0.0135	0.1487	0.0000	453.0678	453.0678	0.0180	0.0000	453.4447

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Year	tons/yr										MT/yr					
2035	3.9800e-003	4.2300e-003	0.0305	1.6000e-004	0.0118	1.3000e-004	0.0119	3.1200e-003	1.2000e-004	3.2400e-003	0.0000	9.2137	9.2137	3.5000e-004	0.0000	9.2211
Total	20.2913	104.6235	284.9436	0.8689	54.3972	3.3277	57.7249	16.3716	3.0887	19.4603	0.0000	61,686.6884	61,686.6884	2.7844	0.0000	61,745.1597

2.1 Overall Construction

Mitigated Construction

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Year	tons/yr										MT/yr					
2017	0.4909	5.1857	4.0478	4.1600e-003	0.7485	0.2756	1.0241	0.3952	0.2536	0.6487	0.0000	381.6792	381.6792	0.1123	0.0000	384.0370
2018	0.1635	1.8190	1.3236	1.9700e-003	0.6180	0.0851	0.7031	0.3271	0.0783	0.4054	0.0000	177.9508	177.9508	0.0538	0.0000	179.0813
2019	0.6467	7.0853	5.3878	8.4100e-003	0.6400	0.3271	0.9671	0.3330	0.3010	0.6339	0.0000	748.3655	748.3655	0.2302	0.0000	753.1993
2020	1.0151	7.7744	11.9501	0.0270	1.8327	0.2919	2.1246	0.6540	0.2695	0.9235	0.0000	2,066.5566	2,066.5566	0.2269	0.0000	2,071.3210
2021	1.7776	9.1565	25.1190	0.0661	3.7343	0.2504	3.9847	1.0050	0.2331	1.2381	0.0000	4,829.2814	4,829.2814	0.2111	0.0000	4,833.7138
2022	1.6857	8.2866	23.9696	0.0658	3.7200	0.2288	3.9488	1.0012	0.2129	1.2141	0.0000	4,767.4750	4,767.4750	0.2048	0.0000	4,771.7759
2023	1.5759	6.9971	22.8762	0.0657	3.7200	0.2133	3.9333	1.0012	0.1983	1.1995	0.0000	4,719.7511	4,719.7511	0.1981	0.0000	4,723.9103
2024	1.5272	6.8470	22.2732	0.0665	3.7486	0.2040	3.9526	1.0089	0.1895	1.1984	0.0000	4,742.4583	4,742.4583	0.1963	0.0000	4,746.5815
2025	1.4648	6.6161	21.5141	0.0662	3.7343	0.1925	3.9269	1.0050	0.1788	1.1838	0.0000	4,693.2200	4,693.2200	0.1917	0.0000	4,697.2453
2026	1.4153	6.4499	20.8974	0.0662	3.7344	0.1886	3.9229	1.0050	0.1751	1.1801	0.0000	4,665.2984	4,665.2984	0.1881	0.0000	4,669.2483
2027	1.3814	6.3786	20.4069	0.0662	3.7344	0.1889	3.9233	1.0050	0.1754	1.1804	0.0000	4,641.3349	4,641.3349	0.1853	0.0000	4,645.2258

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Year	tons/yr										MT/yr					
2028	1.3433	6.2812	19.8981	0.0660	3.7201	0.1876	3.9077	1.0012	0.1742	1.1754	0.0000	4,602.8430	4,602.8430	0.1820	0.0000	4,606.6652
2029	1.3163	6.2508	19.5291	0.0662	3.7344	0.1885	3.9229	1.0050	0.1750	1.1801	0.0000	4,602.4874	4,602.4874	0.1802	0.0000	4,606.2724
2030	1.2783	5.6141	19.1675	0.0667	3.7344	0.1393	3.8738	1.0050	0.1299	1.1350	0.0000	4,626.9851	4,626.9851	0.1209	0.0000	4,629.5237
2031	1.2523	5.5703	18.8480	0.0668	3.7344	0.1389	3.8734	1.0050	0.1296	1.1346	0.0000	4,618.9507	4,618.9507	0.1191	0.0000	4,621.4522
2032	1.2285	5.5512	18.6421	0.0671	3.7487	0.1395	3.8883	1.0089	0.1301	1.1390	0.0000	4,625.3200	4,625.3200	0.1176	0.0000	4,627.7899
2033	0.5169	2.4026	7.3648	0.0243	1.2306	0.0737	1.3043	0.3311	0.0706	0.4018	0.0000	1,714.4426	1,714.4426	0.0477	0.0000	1,715.4442
2034	0.2077	0.3528	1.6978	7.4400e-003	0.5091	0.0138	0.5229	0.1352	0.0135	0.1487	0.0000	453.0677	453.0677	0.0180	0.0000	453.4446
2035	3.9800e-003	4.2300e-003	0.0305	1.6000e-004	0.0118	1.3000e-004	0.0119	3.1200e-003	1.2000e-004	3.2400e-003	0.0000	9.2137	9.2137	3.5000e-004	0.0000	9.2211
Total	20.2913	104.6234	284.9435	0.8689	50.3886	3.3277	53.7164	14.2351	3.0887	17.3237	0.0000	61,686.6813	61,686.6813	2.7844	0.0000	61,745.1526

	ROG	NOx	CO	SO2	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	7.37	0.00	6.94	13.05	0.00	10.98	0.00	0.00	0.00	0.00	0.00	0.00

2.2 Overall Operational

Unmitigated Operational

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Area	18.7514	8.0000e-005	9.0300e-003	0.0000		3.0000e-005	3.0000e-005		3.0000e-005	3.0000e-005	0.0000	0.0177	0.0177	5.0000e-005	0.0000	0.0186
Energy	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	60.4385	60.4385	2.7800e-003	5.7000e-004	60.6750
Mobile	0.9009	2.3567	10.2621	0.0444	2.8089	0.0637	2.8726	0.7532	0.0588	0.8120	0.0000	2,898.8636	2,898.8636	0.0776	0.0000	2,900.4936
Waste						0.0000	0.0000		0.0000	0.0000	1.9487	0.0000	1.9487	0.1152	0.0000	4.3672
Water						0.0000	0.0000		0.0000	0.0000	0.0000	422.7512	422.7512	0.0194	4.0200e-003	424.4057
Total	19.6523	2.3568	10.2711	0.0444	2.8089	0.0638	2.8726	0.7532	0.0588	0.8121	1.9487	3,382.0709	3,384.0197	0.2151	4.5900e-003	3,389.9601

2.2 Overall Operational

Mitigated Operational

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Area	18.7234	8.0000e-005	9.0300e-003	0.0000		3.0000e-005	3.0000e-005		3.0000e-005	3.0000e-005	0.0000	0.0177	0.0177	5.0000e-005	0.0000	0.0186
Energy	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	60.4385	60.4385	2.7800e-003	5.7000e-004	60.6750
Mobile	0.8743	2.1858	9.6694	0.0404	2.5450	0.0582	2.6033	0.6825	0.0537	0.7362	0.0000	2,634.7827	2,634.7827	0.0708	0.0000	2,636.2699
Waste						0.0000	0.0000		0.0000	0.0000	0.4872	0.0000	0.4872	0.0288	0.0000	1.0918
Water						0.0000	0.0000		0.0000	0.0000	0.0000	338.2010	338.2010	0.0156	3.2200e-003	339.5246
Total	19.5977	2.1858	9.6785	0.0404	2.5450	0.0583	2.6033	0.6825	0.0538	0.7363	0.4872	3,033.4398	3,033.9269	0.1180	3.7900e-003	3,037.5798

	ROG	NOx	CO	SO2	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	0.28	7.25	5.77	9.11	9.39	8.61	9.38	9.39	8.62	9.34	75.00	10.31	10.35	45.13	17.43	10.39

3.0 Construction Detail

Construction Phase

Phase Number	Phase Name	Phase Type	Start Date	End Date	Num Days Week	Num Days	Phase Description
1	Site Preparation	Site Preparation	1/1/2017	10/6/2017	5	200	
2	Grading	Grading	10/7/2018	9/4/2020	5	500	
3	Building Construction	Building Construction	9/5/2020	4/29/2033	5	3300	
4	Paving	Paving	4/30/2033	3/3/2034	5	220	
5	Architectural Coating	Architectural Coating	3/4/2034	1/5/2035	5	220	

Acres of Grading (Site Preparation Phase): 117

Acres of Grading (Grading Phase): 117

Acres of Paving: 0

Residential Indoor: 0; Residential Outdoor: 0; Non-Residential Indoor: 60,375; Non-Residential Outdoor: 20,125 (Architectural Coating – sqft)

OffRoad Equipment

Phase Name	Offroad Equipment Type	Amount	Usage Hours	Horse Power	Load Factor
Site Preparation	Rubber Tired Dozers	3	8.00	255	0.40
Site Preparation	Tractors/Loaders/Backhoes	4	8.00	97	0.37
Grading	Excavators	2	8.00	162	0.38
Grading	Graders	1	8.00	174	0.41
Grading	Rubber Tired Dozers	1	8.00	255	0.40
Grading	Scrapers	2	8.00	361	0.48
Grading	Tractors/Loaders/Backhoes	2	8.00	97	0.37
Building Construction	Cranes	1	7.00	226	0.29
Building Construction	Forklifts	3	8.00	89	0.20
Building Construction	Generator Sets	1	8.00	84	0.74
Building Construction	Tractors/Loaders/Backhoes	3	7.00	97	0.37
Building Construction	Welders	1	8.00	46	0.45
Paving	Pavers	2	8.00	125	0.42
Paving	Paving Equipment	2	8.00	130	0.36
Paving	Rollers	2	8.00	80	0.38
Architectural Coating	Air Compressors	1	6.00	78	0.48

Trips and VMT

Phase Name	Offroad Equipment Count	Worker Trip Number	Vendor Trip Number	Hauling Trip Number	Worker Trip Length	Vendor Trip Length	Hauling Trip Length	Worker Vehicle Class	Vendor Vehicle Class	Hauling Vehicle Class
Site Preparation	7	18.00	0.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Grading	8	20.00	0.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Building Construction	9	2,143.00	836.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Paving	6	15.00	0.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Architectural Coating	1	429.00	0.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT

3.1 Mitigation Measures Construction

Water Exposed Area

Reduce Vehicle Speed on Unpaved Roads

3.2 Site Preparation - 2017**Unmitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Fugitive Dust					1.8687	0.0000	1.8687	0.9998	0.0000	0.9998	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.4838	5.1754	3.9397	3.9100e-003		0.2754	0.2754		0.2534	0.2534	0.0000	363.1538	363.1538	0.1113	0.0000	365.4905
Total	0.4838	5.1754	3.9397	3.9100e-003	1.8687	0.2754	2.1441	0.9998	0.2534	1.2532	0.0000	363.1538	363.1538	0.1113	0.0000	365.4905

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	7.0400e-003	0.0104	0.1081	2.5000e-004	0.0197	1.8000e-004	0.0199	5.2400e-003	1.7000e-004	5.4100e-003	0.0000	18.5258	18.5258	1.0100e-003	0.0000	18.5470
Total	7.0400e-003	0.0104	0.1081	2.5000e-004	0.0197	1.8000e-004	0.0199	5.2400e-003	1.7000e-004	5.4100e-003	0.0000	18.5258	18.5258	1.0100e-003	0.0000	18.5470

3.2 Site Preparation - 2017**Mitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Fugitive Dust					0.7288	0.0000	0.7288	0.3899	0.0000	0.3899	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.4838	5.1753	3.9397	3.9100e-003		0.2754	0.2754		0.2534	0.2534	0.0000	363.1534	363.1534	0.1113	0.0000	365.4901
Total	0.4838	5.1753	3.9397	3.9100e-003	0.7288	0.2754	1.0042	0.3899	0.2534	0.6433	0.0000	363.1534	363.1534	0.1113	0.0000	365.4901

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	7.0400e-003	0.0104	0.1081	2.5000e-004	0.0197	1.8000e-004	0.0199	5.2400e-003	1.7000e-004	5.4100e-003	0.0000	18.5258	18.5258	1.0100e-003	0.0000	18.5470
Total	7.0400e-003	0.0104	0.1081	2.5000e-004	0.0197	1.8000e-004	0.0199	5.2400e-003	1.7000e-004	5.4100e-003	0.0000	18.5258	18.5258	1.0100e-003	0.0000	18.5470

3.3 Grading - 2018

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Fugitive Dust					1.5676	0.0000	1.5676	0.8343	0.0000	0.8343	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.1613	1.8158	1.2904	1.8800e-003		0.0850	0.0850		0.0782	0.0782	0.0000	171.9029	171.9029	0.0535	0.0000	173.0267
Total	0.1613	1.8158	1.2904	1.8800e-003	1.5676	0.0850	1.6526	0.8343	0.0782	0.9125	0.0000	171.9029	171.9029	0.0535	0.0000	173.0267

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	2.1400e-003	3.2000e-003	0.0332	8.0000e-005	6.6800e-003	6.0000e-005	6.7400e-003	1.7800e-003	6.0000e-005	1.8300e-003	0.0000	6.0481	6.0481	3.2000e-004	0.0000	6.0548
Total	2.1400e-003	3.2000e-003	0.0332	8.0000e-005	6.6800e-003	6.0000e-005	6.7400e-003	1.7800e-003	6.0000e-005	1.8300e-003	0.0000	6.0481	6.0481	3.2000e-004	0.0000	6.0548

3.3 Grading - 2018

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Fugitive Dust					0.6114	0.0000	0.6114	0.3254	0.0000	0.3254	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.1613	1.8158	1.2904	1.8800e-003		0.0850	0.0850		0.0782	0.0782	0.0000	171.9027	171.9027	0.0535	0.0000	173.0265
Total	0.1613	1.8158	1.2904	1.8800e-003	0.6114	0.0850	0.6964	0.3254	0.0782	0.4036	0.0000	171.9027	171.9027	0.0535	0.0000	173.0265

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	2.1400e-003	3.2000e-003	0.0332	8.0000e-005	6.6800e-003	6.0000e-005	6.7400e-003	1.7800e-003	6.0000e-005	1.8300e-003	0.0000	6.0481	6.0481	3.2000e-004	0.0000	6.0548
Total	2.1400e-003	3.2000e-003	0.0332	8.0000e-005	6.6800e-003	6.0000e-005	6.7400e-003	1.7800e-003	6.0000e-005	1.8300e-003	0.0000	6.0481	6.0481	3.2000e-004	0.0000	6.0548

3.3 Grading - 2019**Unmitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Fugitive Dust					1.5676	0.0000	1.5676	0.8343	0.0000	0.8343	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.6383	7.0728	5.2577	8.0500e-003		0.3269	0.3269		0.3007	0.3007	0.0000	723.5036	723.5036	0.2289	0.0000	728.3107
Total	0.6383	7.0728	5.2577	8.0500e-003	1.5676	0.3269	1.8945	0.8343	0.3007	1.1350	0.0000	723.5036	723.5036	0.2289	0.0000	728.3107

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	8.4000e-003	0.0125	0.1301	3.6000e-004	0.0286	2.5000e-004	0.0289	7.6000e-003	2.3000e-004	7.8300e-003	0.0000	24.8627	24.8627	1.2700e-003	0.0000	24.8894
Total	8.4000e-003	0.0125	0.1301	3.6000e-004	0.0286	2.5000e-004	0.0289	7.6000e-003	2.3000e-004	7.8300e-003	0.0000	24.8627	24.8627	1.2700e-003	0.0000	24.8894

3.3 Grading - 2019**Mitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Fugitive Dust					0.6114	0.0000	0.6114	0.3254	0.0000	0.3254	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.6383	7.0728	5.2577	8.0500e-003		0.3269	0.3269		0.3007	0.3007	0.0000	723.5028	723.5028	0.2289	0.0000	728.3098
Total	0.6383	7.0728	5.2577	8.0500e-003	0.6114	0.3269	0.9382	0.3254	0.3007	0.6261	0.0000	723.5028	723.5028	0.2289	0.0000	728.3098

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	8.4000e-003	0.0125	0.1301	3.6000e-004	0.0286	2.5000e-004	0.0289	7.6000e-003	2.3000e-004	7.8300e-003	0.0000	24.8627	24.8627	1.2700e-003	0.0000	24.8894
Total	8.4000e-003	0.0125	0.1301	3.6000e-004	0.0286	2.5000e-004	0.0289	7.6000e-003	2.3000e-004	7.8300e-003	0.0000	24.8627	24.8627	1.2700e-003	0.0000	24.8894

3.3 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	tons/yr										MT/yr					
Fugitive Dust					1.5676	0.0000	1.5676	0.8343	0.0000	0.8343	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.4050	4.3952	3.4199	5.4900e-003		0.2013	0.2013		0.1852	0.1852	0.0000	482.6369	482.6369	0.1561	0.0000	485.9149
Total	0.4050	4.3952	3.4199	5.4900e-003	1.5676	0.2013	1.7689	0.8343	0.1852	1.0195	0.0000	482.6369	482.6369	0.1561	0.0000	485.9149

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	5.3700e-003	7.9300e-003	0.0826	2.5000e-004	0.0195	1.7000e-004	0.0197	5.1800e-003	1.6000e-004	5.3400e-003	0.0000	16.2747	16.2747	8.2000e-004	0.0000	16.2919
Total	5.3700e-003	7.9300e-003	0.0826	2.5000e-004	0.0195	1.7000e-004	0.0197	5.1800e-003	1.6000e-004	5.3400e-003	0.0000	16.2747	16.2747	8.2000e-004	0.0000	16.2919

3.3 Grading - 2020**Mitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Fugitive Dust					0.6114	0.0000	0.6114	0.3254	0.0000	0.3254	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.4050	4.3952	3.4199	5.4900e-003		0.2013	0.2013		0.1852	0.1852	0.0000	482.6363	482.6363	0.1561	0.0000	485.9143
Total	0.4050	4.3952	3.4199	5.4900e-003	0.6114	0.2013	0.8127	0.3254	0.1852	0.5106	0.0000	482.6363	482.6363	0.1561	0.0000	485.9143

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	5.3700e-003	7.9300e-003	0.0826	2.5000e-004	0.0195	1.7000e-004	0.0197	5.1800e-003	1.6000e-004	5.3400e-003	0.0000	16.2747	16.2747	8.2000e-004	0.0000	16.2919
Total	5.3700e-003	7.9300e-003	0.0826	2.5000e-004	0.0195	1.7000e-004	0.0197	5.1800e-003	1.6000e-004	5.3400e-003	0.0000	16.2747	16.2747	8.2000e-004	0.0000	16.2919

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

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.0887	0.8015	0.7060	1.1300e-003		0.0467	0.0467		0.0440	0.0440	0.0000	96.8730	96.8730	0.0236	0.0000	97.3686
Total	0.0887	0.8015	0.7060	1.1300e-003		0.0467	0.0467		0.0440	0.0440	0.0000	96.8730	96.8730	0.0236	0.0000	97.3686

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.2448	2.1690	3.5653	7.6400e-003	0.2156	0.0351	0.2507	0.0615	0.0323	0.0938	0.0000	647.8414	647.8414	4.8100e-003	0.0000	647.9425
Worker	0.2713	0.4008	4.1763	0.0125	0.9863	8.5200e-003	0.9948	0.2620	7.9000e-003	0.2699	0.0000	822.9314	822.9314	0.0416	0.0000	823.8039
Total	0.5161	2.5698	7.7417	0.0201	1.2018	0.0437	1.2455	0.3235	0.0402	0.3637	0.0000	1,470.7728	1,470.7728	0.0464	0.0000	1,471.7463

3.4 Building Construction - 2020**Mitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.0887	0.8015	0.7060	1.1300e-003		0.0467	0.0467		0.0440	0.0440	0.0000	96.8728	96.8728	0.0236	0.0000	97.3685
Total	0.0887	0.8015	0.7060	1.1300e-003		0.0467	0.0467		0.0440	0.0440	0.0000	96.8728	96.8728	0.0236	0.0000	97.3685

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.2448	2.1690	3.5653	7.6400e-003	0.2156	0.0351	0.2507	0.0615	0.0323	0.0938	0.0000	647.8414	647.8414	4.8100e-003	0.0000	647.9425
Worker	0.2713	0.4008	4.1763	0.0125	0.9863	8.5200e-003	0.9948	0.2620	7.9000e-003	0.2699	0.0000	822.9314	822.9314	0.0416	0.0000	823.8039
Total	0.5161	2.5698	7.7417	0.0201	1.2018	0.0437	1.2455	0.3235	0.0402	0.3637	0.0000	1,470.7728	1,470.7728	0.0464	0.0000	1,471.7463

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

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.2471	2.2629	2.1582	3.5000e-003		0.1246	0.1246		0.1172	0.1172	0.0000	301.0339	301.0339	0.0725	0.0000	302.5568
Total	0.2471	2.2629	2.1582	3.5000e-003		0.1246	0.1246		0.1172	0.1172	0.0000	301.0339	301.0339	0.0725	0.0000	302.5568

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.7336	5.7311	10.7863	0.0237	0.6698	0.0994	0.7692	0.1911	0.0914	0.2825	0.0000	2,011.3895	2,011.3895	0.0151	0.0000	2,011.7057
Worker	0.7970	1.1625	12.1746	0.0389	3.0645	0.0264	3.0909	0.8139	0.0245	0.8384	0.0000	2,516.8584	2,516.8584	0.1235	0.0000	2,519.4515
Total	1.5306	6.8936	22.9609	0.0626	3.7343	0.1258	3.8601	1.0050	0.1159	1.1209	0.0000	4,528.2479	4,528.2479	0.1385	0.0000	4,531.1573

3.4 Building Construction - 2021**Mitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.2471	2.2629	2.1582	3.5000e-003		0.1246	0.1246		0.1172	0.1172	0.0000	301.0335	301.0335	0.0725	0.0000	302.5565
Total	0.2471	2.2629	2.1582	3.5000e-003		0.1246	0.1246		0.1172	0.1172	0.0000	301.0335	301.0335	0.0725	0.0000	302.5565

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.7336	5.7311	10.7863	0.0237	0.6698	0.0994	0.7692	0.1911	0.0914	0.2825	0.0000	2,011.3895	2,011.3895	0.0151	0.0000	2,011.7057
Worker	0.7970	1.1625	12.1746	0.0389	3.0645	0.0264	3.0909	0.8139	0.0245	0.8384	0.0000	2,516.8584	2,516.8584	0.1235	0.0000	2,519.4515
Total	1.5306	6.8936	22.9609	0.0626	3.7343	0.1258	3.8601	1.0050	0.1159	1.1209	0.0000	4,528.2479	4,528.2479	0.1385	0.0000	4,531.1573

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

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.2209	2.0197	2.1226	3.4900e-003		0.1047	0.1047		0.0986	0.0986	0.0000	299.9946	299.9946	0.0718	0.0000	301.5017
Total	0.2209	2.0197	2.1226	3.4900e-003		0.1047	0.1047		0.0986	0.0986	0.0000	299.9946	299.9946	0.0718	0.0000	301.5017

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.7142	5.1829	10.4667	0.0236	0.6672	0.0979	0.7651	0.1903	0.0901	0.2804	0.0000	2,002.0338	2,002.0338	0.0153	0.0000	2,002.3557
Worker	0.7507	1.0840	11.3803	0.0387	3.0528	0.0262	3.0790	0.8108	0.0243	0.8351	0.0000	2,465.4469	2,465.4469	0.1177	0.0000	2,467.9188
Total	1.4648	6.2668	21.8470	0.0623	3.7200	0.1241	3.8441	1.0012	0.1143	1.1155	0.0000	4,467.4807	4,467.4807	0.1330	0.0000	4,470.2746

3.4 Building Construction - 2022

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.2209	2.0197	2.1226	3.4900e-003		0.1047	0.1047		0.0986	0.0986	0.0000	299.9943	299.9943	0.0718	0.0000	301.5013
Total	0.2209	2.0197	2.1226	3.4900e-003		0.1047	0.1047		0.0986	0.0986	0.0000	299.9943	299.9943	0.0718	0.0000	301.5013

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.7142	5.1829	10.4667	0.0236	0.6672	0.0979	0.7651	0.1903	0.0901	0.2804	0.0000	2,002.0338	2,002.0338	0.0153	0.0000	2,002.3557
Worker	0.7507	1.0840	11.3803	0.0387	3.0528	0.0262	3.0790	0.8108	0.0243	0.8351	0.0000	2,465.4469	2,465.4469	0.1177	0.0000	2,467.9188
Total	1.4648	6.2668	21.8470	0.0623	3.7200	0.1241	3.8441	1.0012	0.1143	1.1155	0.0000	4,467.4807	4,467.4807	0.1330	0.0000	4,470.2746

3.4 Building Construction - 2023**Unmitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.2036	1.8606	2.1072	3.4900e-003		0.0906	0.0906		0.0852	0.0852	0.0000	300.0980	300.0980	0.0713	0.0000	301.5949
Total	0.2036	1.8606	2.1072	3.4900e-003		0.0906	0.0906		0.0852	0.0852	0.0000	300.0980	300.0980	0.0713	0.0000	301.5949

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.6627	4.1189	10.0787	0.0235	0.6672	0.0967	0.7639	0.1903	0.0890	0.2793	0.0000	1,992.5802	1,992.5802	0.0138	0.0000	1,992.8697
Worker	0.7096	1.0175	10.6903	0.0387	3.0528	0.0260	3.0788	0.8108	0.0242	0.8350	0.0000	2,427.0732	2,427.0732	0.1130	0.0000	2,429.4460
Total	1.3723	5.1365	20.7690	0.0622	3.7200	0.1227	3.8427	1.0012	0.1131	1.1143	0.0000	4,419.6534	4,419.6534	0.1268	0.0000	4,422.3157

3.4 Building Construction - 2023**Mitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.2036	1.8606	2.1072	3.4900e-003		0.0906	0.0906		0.0852	0.0852	0.0000	300.0976	300.0976	0.0713	0.0000	301.5946
Total	0.2036	1.8606	2.1072	3.4900e-003		0.0906	0.0906		0.0852	0.0852	0.0000	300.0976	300.0976	0.0713	0.0000	301.5946

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.6627	4.1189	10.0787	0.0235	0.6672	0.0967	0.7639	0.1903	0.0890	0.2793	0.0000	1,992.5802	1,992.5802	0.0138	0.0000	1,992.8697
Worker	0.7096	1.0175	10.6903	0.0387	3.0528	0.0260	3.0788	0.8108	0.0242	0.8350	0.0000	2,427.0732	2,427.0732	0.1130	0.0000	2,429.4460
Total	1.3723	5.1365	20.7690	0.0622	3.7200	0.1227	3.8427	1.0012	0.1131	1.1143	0.0000	4,419.6534	4,419.6534	0.1268	0.0000	4,422.3157

3.4 Building Construction - 2024**Unmitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.1920	1.7524	2.1135	3.5200e-003		0.0800	0.0800		0.0752	0.0752	0.0000	302.4646	302.4646	0.0714	0.0000	303.9643
Total	0.1920	1.7524	2.1135	3.5200e-003		0.0800	0.0800		0.0752	0.0752	0.0000	302.4646	302.4646	0.0714	0.0000	303.9643

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.6556	4.1254	9.9333	0.0237	0.6724	0.0975	0.7699	0.1918	0.0897	0.2815	0.0000	2,012.3355	2,012.3355	0.0141	0.0000	2,012.6308
Worker	0.6797	0.9692	10.2264	0.0393	3.0763	0.0265	3.1028	0.8171	0.0246	0.8416	0.0000	2,427.6586	2,427.6586	0.1109	0.0000	2,429.9867
Total	1.3353	5.0945	20.1597	0.0630	3.7486	0.1240	3.8726	1.0089	0.1143	1.1232	0.0000	4,439.9941	4,439.9941	0.1249	0.0000	4,442.6176

3.4 Building Construction - 2024

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.1920	1.7524	2.1135	3.5200e-003		0.0800	0.0800		0.0752	0.0752	0.0000	302.4642	302.4642	0.0714	0.0000	303.9639
Total	0.1920	1.7524	2.1135	3.5200e-003		0.0800	0.0800		0.0752	0.0752	0.0000	302.4642	302.4642	0.0714	0.0000	303.9639

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.6556	4.1254	9.9333	0.0237	0.6724	0.0975	0.7699	0.1918	0.0897	0.2815	0.0000	2,012.3355	2,012.3355	0.0141	0.0000	2,012.6308
Worker	0.6797	0.9692	10.2264	0.0393	3.0763	0.0265	3.1028	0.8171	0.0246	0.8416	0.0000	2,427.6586	2,427.6586	0.1109	0.0000	2,429.9867
Total	1.3353	5.0945	20.1597	0.0630	3.7486	0.1240	3.8726	1.0089	0.1143	1.1232	0.0000	4,439.9941	4,439.9941	0.1249	0.0000	4,442.6176

3.4 Building Construction - 2025**Unmitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.1777	1.6195	2.0948	3.5000e-003		0.0685	0.0685		0.0645	0.0645	0.0000	301.4019	301.4019	0.0707	0.0000	302.8874
Total	0.1777	1.6195	2.0948	3.5000e-003		0.0685	0.0685		0.0645	0.0645	0.0000	301.4019	301.4019	0.0707	0.0000	302.8874

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.6421	4.0811	9.7302	0.0236	0.6698	0.0976	0.7675	0.1911	0.0898	0.2809	0.0000	2,004.7556	2,004.7556	0.0141	0.0000	2,005.0509
Worker	0.6450	0.9156	9.6891	0.0391	3.0645	0.0264	3.0909	0.8139	0.0245	0.8384	0.0000	2,387.0629	2,387.0629	0.1069	0.0000	2,389.3073
Total	1.2871	4.9967	19.4193	0.0627	3.7343	0.1240	3.8584	1.0050	0.1143	1.1193	0.0000	4,391.8185	4,391.8185	0.1209	0.0000	4,394.3582

3.4 Building Construction - 2025**Mitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.1777	1.6195	2.0948	3.5000e-003		0.0685	0.0685		0.0645	0.0645	0.0000	301.4015	301.4015	0.0707	0.0000	302.8871
Total	0.1777	1.6195	2.0948	3.5000e-003		0.0685	0.0685		0.0645	0.0645	0.0000	301.4015	301.4015	0.0707	0.0000	302.8871

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.6421	4.0811	9.7302	0.0236	0.6698	0.0976	0.7675	0.1911	0.0898	0.2809	0.0000	2,004.7556	2,004.7556	0.0141	0.0000	2,005.0509
Worker	0.6450	0.9156	9.6891	0.0391	3.0645	0.0264	3.0909	0.8139	0.0245	0.8384	0.0000	2,387.0629	2,387.0629	0.1069	0.0000	2,389.3073
Total	1.2871	4.9967	19.4193	0.0627	3.7343	0.1240	3.8584	1.0050	0.1143	1.1193	0.0000	4,391.8185	4,391.8185	0.1209	0.0000	4,394.3582

3.4 Building Construction - 2026**Unmitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.1777	1.6195	2.0948	3.5000e-003		0.0685	0.0685		0.0645	0.0645	0.0000	301.4019	301.4019	0.0707	0.0000	302.8874
Total	0.1777	1.6195	2.0948	3.5000e-003		0.0685	0.0685		0.0645	0.0645	0.0000	301.4019	301.4019	0.0707	0.0000	302.8874

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.6221	3.9582	9.5497	0.0236	0.6698	0.0936	0.7634	0.1911	0.0861	0.2772	0.0000	2,004.3431	2,004.3431	0.0136	0.0000	2,004.6293
Worker	0.6156	0.8722	9.2530	0.0391	3.0645	0.0265	3.0910	0.8139	0.0246	0.8385	0.0000	2,359.5538	2,359.5538	0.1037	0.0000	2,361.7320
Total	1.2376	4.8304	18.8027	0.0627	3.7344	0.1201	3.8544	1.0050	0.1107	1.1157	0.0000	4,363.8969	4,363.8969	0.1174	0.0000	4,366.3613

3.4 Building Construction - 2026**Mitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.1777	1.6195	2.0948	3.5000e-003		0.0685	0.0685		0.0645	0.0645	0.0000	301.4015	301.4015	0.0707	0.0000	302.8871
Total	0.1777	1.6195	2.0948	3.5000e-003		0.0685	0.0685		0.0645	0.0645	0.0000	301.4015	301.4015	0.0707	0.0000	302.8871

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.6221	3.9582	9.5497	0.0236	0.6698	0.0936	0.7634	0.1911	0.0861	0.2772	0.0000	2,004.3431	2,004.3431	0.0136	0.0000	2,004.6293
Worker	0.6156	0.8722	9.2530	0.0391	3.0645	0.0265	3.0910	0.8139	0.0246	0.8385	0.0000	2,359.5538	2,359.5538	0.1037	0.0000	2,361.7320
Total	1.2376	4.8304	18.8027	0.0627	3.7344	0.1201	3.8544	1.0050	0.1107	1.1157	0.0000	4,363.8969	4,363.8969	0.1174	0.0000	4,366.3613

3.4 Building Construction - 2027**Unmitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.1777	1.6195	2.0948	3.5000e-003		0.0685	0.0685		0.0645	0.0645	0.0000	301.4019	301.4019	0.0707	0.0000	302.8874
Total	0.1777	1.6195	2.0948	3.5000e-003		0.0685	0.0685		0.0645	0.0645	0.0000	301.4019	301.4019	0.0707	0.0000	302.8874

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.6157	3.9261	9.4498	0.0236	0.6698	0.0938	0.7637	0.1911	0.0863	0.2774	0.0000	2,004.4930	2,004.4930	0.0137	0.0000	2,004.7799
Worker	0.5881	0.8330	8.8623	0.0391	3.0645	0.0266	3.0911	0.8139	0.0246	0.8386	0.0000	2,335.4403	2,335.4403	0.1009	0.0000	2,337.5589
Total	1.2038	4.7591	18.3121	0.0627	3.7344	0.1204	3.8547	1.0050	0.1109	1.1160	0.0000	4,339.9333	4,339.9333	0.1145	0.0000	4,342.3387

3.4 Building Construction - 2027**Mitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.1777	1.6195	2.0948	3.5000e-003		0.0685	0.0685		0.0645	0.0645	0.0000	301.4015	301.4015	0.0707	0.0000	302.8871
Total	0.1777	1.6195	2.0948	3.5000e-003		0.0685	0.0685		0.0645	0.0645	0.0000	301.4015	301.4015	0.0707	0.0000	302.8871

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.6157	3.9261	9.4498	0.0236	0.6698	0.0938	0.7637	0.1911	0.0863	0.2774	0.0000	2,004.4930	2,004.4930	0.0137	0.0000	2,004.7799
Worker	0.5881	0.8330	8.8623	0.0391	3.0645	0.0266	3.0911	0.8139	0.0246	0.8386	0.0000	2,335.4403	2,335.4403	0.1009	0.0000	2,337.5589
Total	1.2038	4.7591	18.3121	0.0627	3.7344	0.1204	3.8547	1.0050	0.1109	1.1160	0.0000	4,339.9333	4,339.9333	0.1145	0.0000	4,342.3387

3.4 Building Construction - 2028**Unmitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.1770	1.6133	2.0867	3.4900e-003		0.0683	0.0683		0.0642	0.0642	0.0000	300.2471	300.2471	0.0705	0.0000	301.7269
Total	0.1770	1.6133	2.0867	3.4900e-003		0.0683	0.0683		0.0642	0.0642	0.0000	300.2471	300.2471	0.0705	0.0000	301.7269

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.6054	3.8732	9.3218	0.0235	0.6673	0.0928	0.7601	0.1904	0.0854	0.2758	0.0000	1,996.8399	1,996.8399	0.0135	0.0000	1,997.1243
Worker	0.5610	0.7947	8.4896	0.0390	3.0528	0.0265	3.0793	0.8108	0.0246	0.8354	0.0000	2,305.7564	2,305.7564	0.0980	0.0000	2,307.8143
Total	1.1663	4.6680	17.8114	0.0625	3.7201	0.1194	3.8395	1.0012	0.1100	1.1112	0.0000	4,302.5963	4,302.5963	0.1115	0.0000	4,304.9386

3.4 Building Construction - 2028**Mitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.1770	1.6133	2.0867	3.4900e-003		0.0683	0.0683		0.0642	0.0642	0.0000	300.2467	300.2467	0.0705	0.0000	301.7266
Total	0.1770	1.6133	2.0867	3.4900e-003		0.0683	0.0683		0.0642	0.0642	0.0000	300.2467	300.2467	0.0705	0.0000	301.7266

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.6054	3.8732	9.3218	0.0235	0.6673	0.0928	0.7601	0.1904	0.0854	0.2758	0.0000	1,996.8399	1,996.8399	0.0135	0.0000	1,997.1243
Worker	0.5610	0.7947	8.4896	0.0390	3.0528	0.0265	3.0793	0.8108	0.0246	0.8354	0.0000	2,305.7564	2,305.7564	0.0980	0.0000	2,307.8143
Total	1.1663	4.6680	17.8114	0.0625	3.7201	0.1194	3.8395	1.0012	0.1100	1.1112	0.0000	4,302.5963	4,302.5963	0.1115	0.0000	4,304.9386

3.4 Building Construction - 2029**Unmitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.1777	1.6195	2.0948	3.5000e-003		0.0685	0.0685		0.0645	0.0645	0.0000	301.4019	301.4019	0.0707	0.0000	302.8874
Total	0.1777	1.6195	2.0948	3.5000e-003		0.0685	0.0685		0.0645	0.0645	0.0000	301.4019	301.4019	0.0707	0.0000	302.8874

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.6008	3.8689	9.2526	0.0236	0.6699	0.0933	0.7632	0.1911	0.0859	0.2770	0.0000	2,004.5926	2,004.5926	0.0136	0.0000	2,004.8785
Worker	0.5378	0.7625	8.1818	0.0391	3.0645	0.0266	3.0912	0.8139	0.0247	0.8387	0.0000	2,296.4932	2,296.4932	0.0959	0.0000	2,298.5068
Total	1.1386	4.6314	17.4343	0.0627	3.7344	0.1200	3.8544	1.0050	0.1106	1.1156	0.0000	4,301.0858	4,301.0858	0.1095	0.0000	4,303.3854

3.4 Building Construction - 2029**Mitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.1777	1.6195	2.0948	3.5000e-003		0.0685	0.0685		0.0645	0.0645	0.0000	301.4015	301.4015	0.0707	0.0000	302.8871
Total	0.1777	1.6195	2.0948	3.5000e-003		0.0685	0.0685		0.0645	0.0645	0.0000	301.4015	301.4015	0.0707	0.0000	302.8871

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.6008	3.8689	9.2526	0.0236	0.6699	0.0933	0.7632	0.1911	0.0859	0.2770	0.0000	2,004.5926	2,004.5926	0.0136	0.0000	2,004.8785
Worker	0.5378	0.7625	8.1818	0.0391	3.0645	0.0266	3.0912	0.8139	0.0247	0.8387	0.0000	2,296.4932	2,296.4932	0.0959	0.0000	2,298.5068
Total	1.1386	4.6314	17.4343	0.0627	3.7344	0.1200	3.8544	1.0050	0.1106	1.1156	0.0000	4,301.0858	4,301.0858	0.1095	0.0000	4,303.3854

3.4 Building Construction - 2030**Unmitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.1702	1.0333	2.1051	4.0200e-003		0.0193	0.0193		0.0193	0.0193	0.0000	341.5281	341.5281	0.0137	0.0000	341.8160
Total	0.1702	1.0333	2.1051	4.0200e-003		0.0193	0.0193		0.0193	0.0193	0.0000	341.5281	341.5281	0.0137	0.0000	341.8160

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.5944	3.8519	9.1843	0.0236	0.6699	0.0935	0.7634	0.1911	0.0860	0.2771	0.0000	2,004.6144	2,004.6144	0.0136	0.0000	2,004.9007
Worker	0.5137	0.7289	7.8781	0.0391	3.0645	0.0266	3.0911	0.8139	0.0247	0.8386	0.0000	2,280.8430	2,280.8430	0.0935	0.0000	2,282.8074
Total	1.1081	4.5808	17.0624	0.0627	3.7344	0.1201	3.8545	1.0050	0.1107	1.1157	0.0000	4,285.4574	4,285.4574	0.1072	0.0000	4,287.7081

3.4 Building Construction - 2030**Mitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.1702	1.0333	2.1051	4.0200e-003		0.0193	0.0193		0.0193	0.0193	0.0000	341.5277	341.5277	0.0137	0.0000	341.8156
Total	0.1702	1.0333	2.1051	4.0200e-003		0.0193	0.0193		0.0193	0.0193	0.0000	341.5277	341.5277	0.0137	0.0000	341.8156

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.5944	3.8519	9.1843	0.0236	0.6699	0.0935	0.7634	0.1911	0.0860	0.2771	0.0000	2,004.6144	2,004.6144	0.0136	0.0000	2,004.9007
Worker	0.5137	0.7289	7.8781	0.0391	3.0645	0.0266	3.0911	0.8139	0.0247	0.8386	0.0000	2,280.8430	2,280.8430	0.0935	0.0000	2,282.8074
Total	1.1081	4.5808	17.0624	0.0627	3.7344	0.1201	3.8545	1.0050	0.1107	1.1157	0.0000	4,285.4574	4,285.4574	0.1072	0.0000	4,287.7081

3.4 Building Construction - 2031**Unmitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.1702	1.0333	2.1051	4.0200e-003		0.0193	0.0193		0.0193	0.0193	0.0000	341.5281	341.5281	0.0137	0.0000	341.8160
Total	0.1702	1.0333	2.1051	4.0200e-003		0.0193	0.0193		0.0193	0.0193	0.0000	341.5281	341.5281	0.0137	0.0000	341.8160

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.5918	3.8400	9.1368	0.0236	0.6699	0.0931	0.7629	0.1911	0.0856	0.2767	0.0000	2,005.6796	2,005.6796	0.0137	0.0000	2,005.9675
Worker	0.4903	0.6969	7.6061	0.0392	3.0645	0.0266	3.0912	0.8139	0.0247	0.8386	0.0000	2,271.7434	2,271.7434	0.0917	0.0000	2,273.6691
Total	1.0821	4.5370	16.7429	0.0628	3.7344	0.1197	3.8541	1.0050	0.1103	1.1154	0.0000	4,277.4230	4,277.4230	0.1054	0.0000	4,279.6366

3.4 Building Construction - 2031**Mitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.1702	1.0333	2.1051	4.0200e-003		0.0193	0.0193		0.0193	0.0193	0.0000	341.5277	341.5277	0.0137	0.0000	341.8156
Total	0.1702	1.0333	2.1051	4.0200e-003		0.0193	0.0193		0.0193	0.0193	0.0000	341.5277	341.5277	0.0137	0.0000	341.8156

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.5918	3.8400	9.1368	0.0236	0.6699	0.0931	0.7629	0.1911	0.0856	0.2767	0.0000	2,005.6796	2,005.6796	0.0137	0.0000	2,005.9675
Worker	0.4903	0.6969	7.6061	0.0392	3.0645	0.0266	3.0912	0.8139	0.0247	0.8386	0.0000	2,271.7434	2,271.7434	0.0917	0.0000	2,273.6691
Total	1.0821	4.5370	16.7429	0.0628	3.7344	0.1197	3.8541	1.0050	0.1103	1.1154	0.0000	4,277.4230	4,277.4230	0.1054	0.0000	4,279.6366

3.4 Building Construction - 2032**Unmitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.1708	1.0372	2.1132	4.0400e-003		0.0193	0.0193		0.0193	0.0193	0.0000	342.8367	342.8367	0.0138	0.0000	343.1257
Total	0.1708	1.0372	2.1132	4.0400e-003		0.0193	0.0193		0.0193	0.0193	0.0000	342.8367	342.8367	0.0138	0.0000	343.1257

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.5908	3.8429	9.1417	0.0237	0.6724	0.0936	0.7660	0.1918	0.0861	0.2779	0.0000	2,013.4365	2,013.4365	0.0138	0.0000	2,013.7259
Worker	0.4669	0.6710	7.3873	0.0393	3.0763	0.0266	3.1029	0.8171	0.0247	0.8418	0.0000	2,269.0473	2,269.0473	0.0901	0.0000	2,270.9387
Total	1.0577	4.5140	16.5289	0.0630	3.7487	0.1202	3.8689	1.0089	0.1108	1.1197	0.0000	4,282.4838	4,282.4838	0.1039	0.0000	4,284.6647

3.4 Building Construction - 2032**Mitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.1708	1.0372	2.1132	4.0400e-003		0.0193	0.0193		0.0193	0.0193	0.0000	342.8363	342.8363	0.0138	0.0000	343.1252
Total	0.1708	1.0372	2.1132	4.0400e-003		0.0193	0.0193		0.0193	0.0193	0.0000	342.8363	342.8363	0.0138	0.0000	343.1252

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.5908	3.8429	9.1417	0.0237	0.6724	0.0936	0.7660	0.1918	0.0861	0.2779	0.0000	2,013.4365	2,013.4365	0.0138	0.0000	2,013.7259
Worker	0.4669	0.6710	7.3873	0.0393	3.0763	0.0266	3.1029	0.8171	0.0247	0.8418	0.0000	2,269.0473	2,269.0473	0.0901	0.0000	2,270.9387
Total	1.0577	4.5140	16.5289	0.0630	3.7487	0.1202	3.8689	1.0089	0.1108	1.1197	0.0000	4,282.4838	4,282.4838	0.1039	0.0000	4,284.6647

3.4 Building Construction - 2033**Unmitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.0554	0.3365	0.6856	1.3100e-003		6.2700e-003	6.2700e-003		6.2700e-003	6.2700e-003	0.0000	111.2256	111.2256	4.4600e-003	0.0000	111.3194
Total	0.0554	0.3365	0.6856	1.3100e-003		6.2700e-003	6.2700e-003		6.2700e-003	6.2700e-003	0.0000	111.2256	111.2256	4.4600e-003	0.0000	111.3194

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.1907	1.2425	2.9575	7.6900e-003	0.2182	0.0304	0.2486	0.0622	0.0280	0.0902	0.0000	653.2185	653.2185	4.4800e-003	0.0000	653.3125
Worker	0.1445	0.2099	2.3303	0.0128	0.9980	8.6100e-003	1.0066	0.2651	7.9900e-003	0.2731	0.0000	733.0515	733.0515	0.0287	0.0000	733.6535
Total	0.3352	1.4523	5.2877	0.0205	1.2162	0.0390	1.2552	0.3273	0.0360	0.3633	0.0000	1,386.2700	1,386.2700	0.0332	0.0000	1,386.9660

3.4 Building Construction - 2033

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.0554	0.3365	0.6856	1.3100e-003		6.2700e-003	6.2700e-003		6.2700e-003	6.2700e-003	0.0000	111.2255	111.2255	4.4600e-003	0.0000	111.3193
Total	0.0554	0.3365	0.6856	1.3100e-003		6.2700e-003	6.2700e-003		6.2700e-003	6.2700e-003	0.0000	111.2255	111.2255	4.4600e-003	0.0000	111.3193

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.1907	1.2425	2.9575	7.6900e-003	0.2182	0.0304	0.2486	0.0622	0.0280	0.0902	0.0000	653.2185	653.2185	4.4800e-003	0.0000	653.3125
Worker	0.1445	0.2099	2.3303	0.0128	0.9980	8.6100e-003	1.0066	0.2651	7.9900e-003	0.2731	0.0000	733.0515	733.0515	0.0287	0.0000	733.6535
Total	0.3352	1.4523	5.2877	0.0205	1.2162	0.0390	1.2552	0.3273	0.0360	0.3633	0.0000	1,386.2700	1,386.2700	0.0332	0.0000	1,386.9660

3.5 Paving - 2033**Unmitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.1186	0.6108	1.3579	2.4000e-003		0.0283	0.0283		0.0283	0.0283	0.0000	206.3835	206.3835	9.6700e-003	0.0000	206.5866
Paving	5.6300e-003					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total	0.1242	0.6108	1.3579	2.4000e-003		0.0283	0.0283		0.0283	0.0283	0.0000	206.3835	206.3835	9.6700e-003	0.0000	206.5866

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	2.0800e-003	3.0200e-003	0.0336	1.8000e-004	0.0144	1.2000e-004	0.0145	3.8200e-003	1.2000e-004	3.9400e-003	0.0000	10.5639	10.5639	4.1000e-004	0.0000	10.5725
Total	2.0800e-003	3.0200e-003	0.0336	1.8000e-004	0.0144	1.2000e-004	0.0145	3.8200e-003	1.2000e-004	3.9400e-003	0.0000	10.5639	10.5639	4.1000e-004	0.0000	10.5725

3.5 Paving - 2033**Mitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.1186	0.6108	1.3579	2.4000e-003		0.0283	0.0283		0.0283	0.0283	0.0000	206.3832	206.3832	9.6700e-003	0.0000	206.5864
Paving	5.6300e-003					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total	0.1242	0.6108	1.3579	2.4000e-003		0.0283	0.0283		0.0283	0.0283	0.0000	206.3832	206.3832	9.6700e-003	0.0000	206.5864

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	2.0800e-003	3.0200e-003	0.0336	1.8000e-004	0.0144	1.2000e-004	0.0145	3.8200e-003	1.2000e-004	3.9400e-003	0.0000	10.5639	10.5639	4.1000e-004	0.0000	10.5725
Total	2.0800e-003	3.0200e-003	0.0336	1.8000e-004	0.0144	1.2000e-004	0.0145	3.8200e-003	1.2000e-004	3.9400e-003	0.0000	10.5639	10.5639	4.1000e-004	0.0000	10.5725

3.5 Paving - 2034**Unmitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.0305	0.1571	0.3492	6.2000e-004		7.2800e-003	7.2800e-003		7.2800e-003	7.2800e-003	0.0000	53.0700	53.0700	2.4900e-003	0.0000	53.1223
Paving	1.4500e-003					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total	0.0319	0.1571	0.3492	6.2000e-004		7.2800e-003	7.2800e-003		7.2800e-003	7.2800e-003	0.0000	53.0700	53.0700	2.4900e-003	0.0000	53.1223

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	5.1000e-004	7.5000e-004	8.3900e-003	5.0000e-005	3.7000e-003	3.0000e-005	3.7300e-003	9.8000e-004	3.0000e-005	1.0100e-003	0.0000	2.7066	2.7066	1.0000e-004	0.0000	2.7088
Total	5.1000e-004	7.5000e-004	8.3900e-003	5.0000e-005	3.7000e-003	3.0000e-005	3.7300e-003	9.8000e-004	3.0000e-005	1.0100e-003	0.0000	2.7066	2.7066	1.0000e-004	0.0000	2.7088

3.5 Paving - 2034**Mitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.0305	0.1571	0.3492	6.2000e-004		7.2800e-003	7.2800e-003		7.2800e-003	7.2800e-003	0.0000	53.0700	53.0700	2.4900e-003	0.0000	53.1222
Paving	1.4500e-003					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total	0.0319	0.1571	0.3492	6.2000e-004		7.2800e-003	7.2800e-003		7.2800e-003	7.2800e-003	0.0000	53.0700	53.0700	2.4900e-003	0.0000	53.1222

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	5.1000e-004	7.5000e-004	8.3900e-003	5.0000e-005	3.7000e-003	3.0000e-005	3.7300e-003	9.8000e-004	3.0000e-005	1.0100e-003	0.0000	2.7066	2.7066	1.0000e-004	0.0000	2.7088
Total	5.1000e-004	7.5000e-004	8.3900e-003	5.0000e-005	3.7000e-003	3.0000e-005	3.7300e-003	9.8000e-004	3.0000e-005	1.0100e-003	0.0000	2.7066	2.7066	1.0000e-004	0.0000	2.7088

3.6 Architectural Coating - 2034**Unmitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Archit. Coating	0.0912					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.0141	0.0921	0.1933	3.2000e-004		2.1800e-003	2.1800e-003		2.1800e-003	2.1800e-003	0.0000	27.4475	27.4475	1.1100e-003	0.0000	27.4708
Total	0.1052	0.0921	0.1933	3.2000e-004		2.1800e-003	2.1800e-003		2.1800e-003	2.1800e-003	0.0000	27.4475	27.4475	1.1100e-003	0.0000	27.4708

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.0700	0.1030	1.1469	6.4600e-003	0.5054	4.3400e-003	0.5097	0.1342	4.0300e-003	0.1383	0.0000	369.8437	369.8437	0.0142	0.0000	370.1428
Total	0.0700	0.1030	1.1469	6.4600e-003	0.5054	4.3400e-003	0.5097	0.1342	4.0300e-003	0.1383	0.0000	369.8437	369.8437	0.0142	0.0000	370.1428

3.6 Architectural Coating - 2034

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Archit. Coating	0.0912					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.0141	0.0921	0.1933	3.2000e-004		2.1800e-003	2.1800e-003		2.1800e-003	2.1800e-003	0.0000	27.4475	27.4475	1.1100e-003	0.0000	27.4708
Total	0.1052	0.0921	0.1933	3.2000e-004		2.1800e-003	2.1800e-003		2.1800e-003	2.1800e-003	0.0000	27.4475	27.4475	1.1100e-003	0.0000	27.4708

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.0700	0.1030	1.1469	6.4600e-003	0.5054	4.3400e-003	0.5097	0.1342	4.0300e-003	0.1383	0.0000	369.8437	369.8437	0.0142	0.0000	370.1428
Total	0.0700	0.1030	1.1469	6.4600e-003	0.5054	4.3400e-003	0.5097	0.1342	4.0300e-003	0.1383	0.0000	369.8437	369.8437	0.0142	0.0000	370.1428

3.6 Architectural Coating - 2035

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Archit. Coating	2.1200e-003					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	2.9000e-004	1.8900e-003	4.4900e-003	1.0000e-005		2.0000e-005	2.0000e-005		2.0000e-005	2.0000e-005	0.0000	0.6383	0.6383	2.0000e-005	0.0000	0.6388
Total	2.4100e-003	1.8900e-003	4.4900e-003	1.0000e-005		2.0000e-005	2.0000e-005		2.0000e-005	2.0000e-005	0.0000	0.6383	0.6383	2.0000e-005	0.0000	0.6388

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	1.5700e-003	2.3400e-003	0.0261	1.5000e-004	0.0118	1.0000e-004	0.0119	3.1200e-003	9.0000e-005	3.2100e-003	0.0000	8.5754	8.5754	3.3000e-004	0.0000	8.5823
Total	1.5700e-003	2.3400e-003	0.0261	1.5000e-004	0.0118	1.0000e-004	0.0119	3.1200e-003	9.0000e-005	3.2100e-003	0.0000	8.5754	8.5754	3.3000e-004	0.0000	8.5823

3.6 Architectural Coating - 2035

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Archit. Coating	2.1200e-003					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	2.9000e-004	1.8900e-003	4.4900e-003	1.0000e-005		2.0000e-005	2.0000e-005		2.0000e-005	2.0000e-005	0.0000	0.6383	0.6383	2.0000e-005	0.0000	0.6388
Total	2.4100e-003	1.8900e-003	4.4900e-003	1.0000e-005		2.0000e-005	2.0000e-005		2.0000e-005	2.0000e-005	0.0000	0.6383	0.6383	2.0000e-005	0.0000	0.6388

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	1.5700e-003	2.3400e-003	0.0261	1.5000e-004	0.0118	1.0000e-004	0.0119	3.1200e-003	9.0000e-005	3.2100e-003	0.0000	8.5754	8.5754	3.3000e-004	0.0000	8.5823
Total	1.5700e-003	2.3400e-003	0.0261	1.5000e-004	0.0118	1.0000e-004	0.0119	3.1200e-003	9.0000e-005	3.2100e-003	0.0000	8.5754	8.5754	3.3000e-004	0.0000	8.5823

4.0 Operational Detail - Mobile

4.1 Mitigation Measures Mobile

Increase Transit Accessibility

Improve Pedestrian Network

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Mitigated	0.8743	2.1858	9.6694	0.0404	2.5450	0.0582	2.6033	0.6825	0.0537	0.7362	0.0000	2,634.7827	2,634.7827	0.0708	0.0000	2,636,2699
Unmitigated	0.9009	2.3567	10.2621	0.0444	2.8089	0.0637	2.8726	0.7532	0.0588	0.8120	0.0000	2,898.8636	2,898.8636	0.0776	0.0000	2,900,4936

4.2 Trip Summary Information

Land Use	Average Daily Trip Rate			Unmitigated	Mitigated
	Weekday	Saturday	Sunday	Annual VMT	Annual VMT
City Park	2,566.80	2,566.80	2566.80	7,386,070	6,692,273
Parking Lot	0.00	0.00	0.00		
Total	2,566.80	2,566.80	2,566.80	7,386,070	6,692,273

4.3 Trip Type Information

Land Use	Miles			Trip %			Trip Purpose %		
	H-W or C-W	H-S or C-C	H-O or C-NW	H-W or C-W	H-S or C-C	H-O or C-NW	Primary	Diverted	Pass-by
City Park	16.60	8.40	6.90	33.00	48.00	19.00	66	28	6
Parking Lot	16.60	8.40	6.90	0.00	0.00	0.00	0	0	0

LDA	LDT1	LDT2	MDV	LHD1	LHD2	MHD	HHD	OBUS	UBUS	MCY	SBUS	MH
0.491908	0.059855	0.185077	0.131229	0.044940	0.007356	0.019164	0.046757	0.003019	0.003347	0.004084	0.000506	0.002760

5.0 Energy Detail

4.4 Fleet Mix

Historical Energy Use: N

5.1 Mitigation Measures Energy

[illegible]

5.2 Energy by Land Use - NaturalGas

Unmitigated

[illegible]

Mitigated

[illegible]

5.3 Energy by Land Use - Electricity

Unmitigated

	Electricity Use	Total CO2	CH4	N2O	CO2e
Land Use	kWh/yr	MT/yr			
City Park	0	0.0000	0.0000	0.0000	0.0000
Parking Lot	211200	60.4385	2.7800e-003	5.7000e-004	60.6750
Total		60.4385	2.7800e-003	5.7000e-004	60.6750

Mitigated

	Electricity Use	Total CO2	CH4	N2O	CO2e
Land Use	kWh/yr	MT/yr			
City Park	0	0.0000	0.0000	0.0000	0.0000
Parking Lot	211200	60.4385	2.7800e-003	5.7000e-004	60.6750
Total		60.4385	2.7800e-003	5.7000e-004	60.6750

6.0 Area Detail

6.1 Mitigation Measures Area

Use Low VOC Paint - Non-Residential Interior

Use Low VOC Paint - Non-Residential Exterior

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Mitigated	18.7234	8.0000e-005	9.0300e-003	0.0000		3.0000e-005	3.0000e-005		3.0000e-005	3.0000e-005	0.0000	0.0177	0.0177	5.0000e-005	0.0000	0.0186
Unmitigated	18.7514	8.0000e-005	9.0300e-003	0.0000		3.0000e-005	3.0000e-005		3.0000e-005	3.0000e-005	0.0000	0.0177	0.0177	5.0000e-005	0.0000	0.0186

6.2 Area by SubCategory

Unmitigated

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
SubCategory	tons/yr										MT/yr					
Architectural Coating	0.3171					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Consumer Products	18.4335					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Landscaping	8.3000e-004	8.0000e-005	9.0300e-003	0.0000		3.0000e-005	3.0000e-005		3.0000e-005	3.0000e-005	0.0000	0.0177	0.0177	5.0000e-005	0.0000	0.0186
Total	18.7514	8.0000e-005	9.0300e-003	0.0000		3.0000e-005	3.0000e-005		3.0000e-005	3.0000e-005	0.0000	0.0177	0.0177	5.0000e-005	0.0000	0.0186

6.2 Area by SubCategory

Mitigated

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
SubCategory	tons/yr										MT/yr					
Architectural Coating	0.2891					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Consumer Products	18.4335					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Landscaping	8.3000e-004	8.0000e-005	9.0300e-003	0.0000		3.0000e-005	3.0000e-005		3.0000e-005	3.0000e-005	0.0000	0.0177	0.0177	5.0000e-005	0.0000	0.0186
Total	18.7234	8.0000e-005	9.0300e-003	0.0000		3.0000e-005	3.0000e-005		3.0000e-005	3.0000e-005	0.0000	0.0177	0.0177	5.0000e-005	0.0000	0.0186

7.0 Water Detail

7.1 Mitigation Measures Water

Apply Water Conservation Strategy

	Total CO2	CH4	N2O	CO2e
Category	MT/yr			
Mitigated	338.2010	0.0156	3.2200e-003	339.5246
Unmitigated	422.7512	0.0194	4.0200e-003	424.4057

7.2 Water by Land Use

Unmitigated

	Indoor/Outdoor Use	Total CO2	CH4	N2O	CO2e
Land Use	Mgal	MT/yr			
City Park	0 / 132.969	422.7512	0.0194	4.0200e-003	424.4057
Parking Lot	0 / 0	0.0000	0.0000	0.0000	0.0000
Total		422.7512	0.0194	4.0200e-003	424.4057

Mitigated

	Indoor/Outdoor Use	Total CO2	CH4	N2O	CO2e
Land Use	Mgal	MT/yr			
City Park	0 / 106.375	338.2010	0.0156	3.2200e-003	339.5246
Parking Lot	0 / 0	0.0000	0.0000	0.0000	0.0000
Total		338.2010	0.0156	3.2200e-003	339.5246

8.0 Waste Detail

8.1 Mitigation Measures Waste

Institute Recycling and Composting Services

Category/Year

	Total CO2	CH4	N2O	CO2e
	MT/yr			
Mitigated	0.4872	0.0288	0.0000	1.0918
Unmitigated	1.9487	0.1152	0.0000	4.3672

8.2 Waste by Land Use**Unmitigated**

	Waste Disposed	Total CO2	CH4	N2O	CO2e
Land Use	tons	MT/yr			
City Park	9.6	1.9487	0.1152	0.0000	4.3672
Parking Lot	0	0.0000	0.0000	0.0000	0.0000
Total		1.9487	0.1152	0.0000	4.3672

8.2 Waste by Land Use

Mitigated

	Waste Disposed	Total CO2	CH4	N2O	CO2e
Land Use	tons	MT/yr			
City Park	2.4	0.4872	0.0288	0.0000	1.0918
Parking Lot	0	0.0000	0.0000	0.0000	0.0000
Total		0.4872	0.0288	0.0000	1.0918

9.0 Operational Offroad

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

10.0 Vegetation

JN 6351a Puente Hills Landfill Park BASELINE
Los Angeles-South Coast County, Annual

1.0 Project Characteristics

1.1 Land Usage

Land Uses	Size	Metric	Lot Acreage	Floor Surface Area	Population
Parking Lot	200.00	Space	1.80	80,000.00	0
City Park	115.20	Acre	115.20	5,018,112.00	0

1.2 Other Project Characteristics

Urbanization	Urban	Wind Speed (m/s)	2.2	Precipitation Freq (Days)	33
Climate Zone	9			Operational Year	2010
Utility Company	Southern California Edison				
CO2 Intensity (lb/MW hr)	630.89	CH4 Intensity (lb/MW hr)	0.029	N2O Intensity (lb/MW hr)	0.006

1.3 User Entered Comments & Non-Default Data

Project Characteristics - Baseline Operational Only

Land Use - Designated as 117-acre "regional park" in the TIA. 200 parking spaces total.

Construction Phase - Construction starts no earlier than 2017. Full buildout in 2035.

Grading - Site is 117 acres of improvements

Architectural Coating - . Approx 30,950 SF of onsite buildings/structures to be painted only; 46,425 SF interior; 15,475 SF exterior.

Vehicle Trips - Trip gen rate from TIA. 20 trips per acre.

Area Coating - . Approx 30,950SF of onsite buildings/structures to be painted only; 46,425 SF interior, 15,475 SF exterior.

Construction Off-road Equipment Mitigation -

Mobile Land Use Mitigation -

Area Mitigation -

- Water Mitigation -
- Waste Mitigation -
- Vehicle Emission Factors -
- Vehicle Emission Factors -
- Vehicle Emission Factors -
- Energy Use -

Table Name	Column Name	Default Value	New Value
tblArchitecturalCoating	ConstArea_Nonresidential_Exterior	2,510,256.00	15,475.00
tblArchitecturalCoating	ConstArea_Nonresidential_Interior	7,530,768.00	30,950.00
tblArchitecturalCoating	EF_Nonresidential_Exterior	250.00	50.00
tblArchitecturalCoating	EF_Nonresidential_Interior	250.00	50.00
tblAreaCoating	Area_Nonresidential_Interior	7530765	46425
tblConstructionPhase	NumDays	3,100.00	3,300.00
tblConstructionPhase	NumDays	310.00	500.00
tblConstructionPhase	NumDays	120.00	200.00
tblConstructionPhase	PhaseEndDate	9/6/2019	9/4/2020
tblConstructionPhase	PhaseStartDate	10/7/2017	10/7/2018
tblGrading	AcresOfGrading	1,250.00	117.00
tblGrading	AcresOfGrading	0.00	117.00
tblProjectCharacteristics	OperationalYear	2014	2010
tblVehicleTrips	ST_TR	1.59	20.00
tblVehicleTrips	SU_TR	1.59	20.00
tblVehicleTrips	WD_TR	1.59	20.00

2.0 Emissions Summary

2.2 Overall Operational
Unmitigated Operational

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Area	19.9038	4.0000e-005	4.4800e-003	0.0000		2.0000e-005	2.0000e-005		2.0000e-005	2.0000e-005	0.0000	7.8200e-003	7.8200e-003	3.0000e-005	0.0000	8.4000e-003
Energy	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	20.1462	20.1462	9.3000e-004	1.9000e-004	20.2250
Mobile	2.7906	6.8059	30.3987	0.0371	2.5079	0.1503	2.6582	0.6713	0.1378	0.8091	0.0000	3,337.5495	3,337.5495	0.2196	0.0000	3,342.1611
Waste						0.0000	0.0000		0.0000	0.0000	2.0116	0.0000	2.0116	0.1189	0.0000	4.5082
Water						0.0000	0.0000		0.0000	0.0000	0.0000	436.3884	436.3884	0.0201	4.1500e-003	438.0962
Total	22.6944	6.8060	30.4032	0.0371	2.5079	0.1503	2.6582	0.6713	0.1378	0.8091	2.0116	3,794.0918	3,796.1035	0.3595	4.3400e-003	3,804.9989

Mitigated Operational

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Area	19.9038	4.0000e-005	4.4800e-003	0.0000		2.0000e-005	2.0000e-005		2.0000e-005	2.0000e-005	0.0000	7.8200e-003	7.8200e-003	3.0000e-005	0.0000	8.4000e-003
Energy	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	20.1462	20.1462	9.3000e-004	1.9000e-004	20.2250
Mobile	2.7906	6.8059	30.3987	0.0371	2.5079	0.1503	2.6582	0.6713	0.1378	0.8091	0.0000	3,337.5495	3,337.5495	0.2196	0.0000	3,342.1611
Waste						0.0000	0.0000		0.0000	0.0000	2.0116	0.0000	2.0116	0.1189	0.0000	4.5082
Water						0.0000	0.0000		0.0000	0.0000	0.0000	436.3884	436.3884	0.0201	4.1500e-003	438.0962
Total	22.6944	6.8060	30.4032	0.0371	2.5079	0.1503	2.6582	0.6713	0.1378	0.8091	2.0116	3,794.0918	3,796.1035	0.3595	4.3400e-003	3,804.9989

	ROG	NOx	CO	SO2	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

4.0 Operational Detail - Mobile

4.1 Mitigation Measures Mobile

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Mitigated	2.7906	6.8059	30.3987	0.0371	2.5079	0.1503	2.6582	0.6713	0.1378	0.8091	0.0000	3,337.5495	3,337.5495	0.2196	0.0000	3,342.1611
Unmitigated	2.7906	6.8059	30.3987	0.0371	2.5079	0.1503	2.6582	0.6713	0.1378	0.8091	0.0000	3,337.5495	3,337.5495	0.2196	0.0000	3,342.1611

4.2 Trip Summary Information

	Average Daily Trip Rate			Unmitigated	Mitigated
Land Use	Weekday	Saturday	Sunday	Annual VMT	Annual VMT
City Park	2,304.00	2,304.00	2304.00	6,629,852	6,629,852
Parking Lot	0.00	0.00	0.00		
Total	2,304.00	2,304.00	2,304.00	6,629,852	6,629,852

4.3 Trip Type Information

	Miles			Trip %			Trip Purpose %		
Land Use	H-W or C-W	H-S or C-C	H-O or C-NW	H-W or C-	H-S or C-C	H-O or C-NW	Primary	Diverted	Pass-by
City Park	16.60	8.40	6.90	33.00	48.00	19.00	66	28	6
Parking Lot	16.60	8.40	6.90	0.00	0.00	0.00	0	0	0

LDA	LDT1	LDT2	MDV	LHD1	LHD2	MHD	HHD	OBUS	UBUS	MCY	SBUS	MH
0.533144	0.059403	0.179339	0.134294	0.039218	0.006434	0.013893	0.022788	0.002456	0.003240	0.003612	0.000544	0.001633

[illegible]

Unmitigated

[illegible]

Mitigated

[illegible]

5.3 Energy by Land Use - Electricity

Unmitigated

	Electricity Use	Total CO2	CH4	N2O	CO2e
Land Use	kWh/yr	MT/yr			
City Park	0	0.0000	0.0000	0.0000	0.0000
Parking Lot	70400	20.1462	9.3000e-004	1.9000e-004	20.2250
Total		20.1462	9.3000e-004	1.9000e-004	20.2250

Mitigated

	Electricity Use	Total CO2	CH4	N2O	CO2e
Land Use	kWh/yr	MT/yr			
City Park	0	0.0000	0.0000	0.0000	0.0000
Parking Lot	70400	20.1462	9.3000e-004	1.9000e-004	20.2250
Total		20.1462	9.3000e-004	1.9000e-004	20.2250

6.0 Area Detail

6.1 Mitigation Measures Area

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Mitigated	19.9038	4.0000e-005	4.4800e-003	0.0000		2.0000e-005	2.0000e-005		2.0000e-005	2.0000e-005	0.0000	7.8200e-003	7.8200e-003	3.0000e-005	0.0000	8.4000e-003
Unmitigated	19.9038	4.0000e-005	4.4800e-003	0.0000		2.0000e-005	2.0000e-005		2.0000e-005	2.0000e-005	0.0000	7.8200e-003	7.8200e-003	3.0000e-005	0.0000	8.4000e-003

6.2 Area by SubCategory

Unmitigated

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
SubCategory	tons/yr										MT/yr					
Architectural Coating	1.4813					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Consumer Products	18.4220					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Landscaping	5.0000e-004	4.0000e-005	4.4800e-003	0.0000		2.0000e-005	2.0000e-005		2.0000e-005	2.0000e-005	0.0000	7.8200e-003	7.8200e-003	3.0000e-005	0.0000	8.4000e-003
Total	19.9038	4.0000e-005	4.4800e-003	0.0000		2.0000e-005	2.0000e-005		2.0000e-005	2.0000e-005	0.0000	7.8200e-003	7.8200e-003	3.0000e-005	0.0000	8.4000e-003

Mitigated

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
SubCategory	tons/yr										MT/yr					
Architectural Coating	1.4813					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Consumer Products	18.4220					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Landscaping	5.0000e-004	4.0000e-005	4.4800e-003	0.0000		2.0000e-005	2.0000e-005		2.0000e-005	2.0000e-005	0.0000	7.8200e-003	7.8200e-003	3.0000e-005	0.0000	8.4000e-003
Total	19.9038	4.0000e-005	4.4800e-003	0.0000		2.0000e-005	2.0000e-005		2.0000e-005	2.0000e-005	0.0000	7.8200e-003	7.8200e-003	3.0000e-005	0.0000	8.4000e-003

7.0 Water Detail

7.1 Mitigation Measures Water

	Total CO2	CH4	N2O	CO2e
Category	MT/yr			
Mitigated	436.3884	0.0201	4.1500e-003	438.0962
Unmitigated	436.3884	0.0201	4.1500e-003	438.0962

7.2 Water by Land Use

Unmitigated

	Indoor/Outdoor Use	Total CO2	CH4	N2O	CO2e
Land Use	Mgal	MT/yr			
City Park	0 / 137.259	436.3884	0.0201	4.1500e-003	438.0962
Parking Lot	0 / 0	0.0000	0.0000	0.0000	0.0000
Total		436.3884	0.0201	4.1500e-003	438.0962

Mitigated

	Indoor/Outdoor Use	Total CO2	CH4	N2O	CO2e
Land Use	Mgal	MT/yr			
City Park	0 / 137.259	436.3884	0.0201	4.1500e-003	438.0962
Parking Lot	0 / 0	0.0000	0.0000	0.0000	0.0000
Total		436.3884	0.0201	4.1500e-003	438.0962

8.0 Waste Detail

8.1 Mitigation Measures Waste

Category/Year

	Total CO2	CH4	N2O	CO2e
	MT/yr			
Mitigated	2.0116	0.1189	0.0000	4.5082
Unmitigated	2.0116	0.1189	0.0000	4.5082

8.2 Waste by Land Use

Unmitigated

	Waste Disposed	Total CO2	CH4	N2O	CO2e
Land Use	tons	MT/yr			
City Park	9.91	2.0116	0.1189	0.0000	4.5082
Parking Lot	0	0.0000	0.0000	0.0000	0.0000
Total		2.0116	0.1189	0.0000	4.5082

Mitigated

	Waste Disposed	Total CO2	CH4	N2O	CO2e
Land Use	tons	MT/yr			
City Park	9.91	2.0116	0.1189	0.0000	4.5082
Parking Lot	0	0.0000	0.0000	0.0000	0.0000
Total		2.0116	0.1189	0.0000	4.5082

9.0 Operational Offroad

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

10.0 Vegetation

JN 6351a Puente Hills Landfill Park Year 2020 OPS Only
Los Angeles-South Coast County, Annual

1.0 Project Characteristics

1.1 Land Usage

Land Uses	Size	Metric	Lot Acreage	Floor Surface Area	Population
Parking Lot	200.00	Space	1.80	80,000.00	0
City Park	115.20	Acre	115.20	5,018,112.00	0

1.2 Other Project Characteristics

Urbanization	Urban	Wind Speed (m/s)	2.2	Precipitation Freq (Days)	33
Climate Zone	9			Operational Year	2020
Utility Company	Southern California Edison				
CO2 Intensity (lb/MW hr)	630.89	CH4 Intensity (lb/MW hr)	0.029	N2O Intensity (lb/MW hr)	0.006

1.3 User Entered Comments & Non-Default Data

Project Characteristics - Year 2020 Operational ONLY

Land Use - Designated as 117-acre "regional park" in the TIA. 200 parking spaces total.

Construction Phase - Construction starts no earlier than 2017. Full buildout in 2035.

Grading - Site is 117 acres of improvements

Architectural Coating - SCAQMD Rule 1113 limits paints to 50g/L VOC. Approx 30,950 SF of onsite buildings/structures to be painted only; 46,425 SF interior; 15,475 SF exterior.

Vehicle Trips - Trip gen rate from TIA. 20 trips per acre.

Area Coating - SCAQMD Rule 1113 limits paints to 50g/L VOC. Approx 30,950SF of onsite buildings/structures to be painted only; 46,425 SF interior, 15,475 SF exterior.

Construction Off-road Equipment Mitigation -

Mobile Land Use Mitigation - Paths and trails onsite, connecting off-site. Bus stop 0.6 miles from park entrance.

Area Mitigation - SCAQMD Rule 1113 limits paints to 50g/L VOC.

Water Mitigation - Drought-tolerant plants used in landscaping. 20% reduction in water use per CalGreen requirements.

Waste Mitigation - Recycling 75% per AB 341

Vehicle Emission Factors -

Vehicle Emission Factors -

Vehicle Emission Factors -

Energy Use -

Energy Mitigation - 2013 Title 24 commercial standards are ~30% more efficient than 2008 Title 24 standards (CalEEMod default). Energy star appliances installed in buildings on-site.

Table Name	Column Name	Default Value	New Value
tblArchitecturalCoating	ConstArea_Nonresidential_Exterior	2,510,256.00	15,475.00
tblArchitecturalCoating	ConstArea_Nonresidential_Interior	7,530,768.00	46,425.00
tblArchitecturalCoating	EF_Nonresidential_Exterior	250.00	50.00
tblArchitecturalCoating	EF_Nonresidential_Interior	250.00	50.00
tblAreaCoating	Area_EF_Nonresidential_Exterior	250	50
tblAreaCoating	Area_Nonresidential_Interior	7530765	46425
tblAreaMitigation	UseLowVOCPaintNonresidentialInterior	250	50
tblConstructionPhase	NumDays	3,100.00	3,300.00
tblConstructionPhase	NumDays	310.00	500.00
tblConstructionPhase	NumDays	120.00	200.00
tblConstructionPhase	PhaseEndDate	9/6/2019	9/4/2020
tblConstructionPhase	PhaseStartDate	10/7/2017	10/7/2018
tblGrading	AcresOfGrading	1,250.00	117.00
tblGrading	AcresOfGrading	0.00	117.00
tblProjectCharacteristics	OperationalYear	2014	2020
tblVehicleTrips	ST_TR	1.59	20.00
tblVehicleTrips	SU_TR	1.59	20.00
tblVehicleTrips	WD_TR	1.59	20.00

2.0 Emissions Summary

2.2 Overall Operational
Unmitigated Operational

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Area	18.7402	4.0000e-005	4.0500e-003	0.0000		1.0000e-005	1.0000e-005		1.0000e-005	1.0000e-005	0.0000	7.8200e-003	7.8200e-003	2.0000e-005	0.0000	8.2600e-003
Energy	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	20.1462	20.1462	9.3000e-004	1.9000e-004	20.2250
Mobile	1.1773	3.3269	13.0805	0.0380	2.5138	0.0529	2.5667	0.6734	0.0488	0.7222	0.0000	2,676.1242	2,676.1242	0.1002	0.0000	2,678.2281
Waste						0.0000	0.0000		0.0000	0.0000	2.0116	0.0000	2.0116	0.1189	0.0000	4.5082
Water						0.0000	0.0000		0.0000	0.0000	0.0000	436.3884	436.3884	0.0201	4.1500e-003	438.0962
Total	19.9175	3.3269	13.0846	0.0380	2.5138	0.0529	2.5667	0.6734	0.0488	0.7222	2.0116	3,132.6665	3,134.6782	0.2401	4.3400e-003	3,141.0658

Mitigated Operational

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Area	18.7187	4.0000e-005	4.0500e-003	0.0000		1.0000e-005	1.0000e-005		1.0000e-005	1.0000e-005	0.0000	7.8200e-003	7.8200e-003	2.0000e-005	0.0000	8.2600e-003
Energy	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	20.1462	20.1462	9.3000e-004	1.9000e-004	20.2250
Mobile	1.1434	3.0660	12.2385	0.0345	2.2777	0.0483	2.3260	0.6101	0.0445	0.6546	0.0000	2,432.1027	2,432.1027	0.0916	0.0000	2,434.0255
Waste						0.0000	0.0000		0.0000	0.0000	0.5029	0.0000	0.5029	0.0297	0.0000	1.1271
Water						0.0000	0.0000		0.0000	0.0000	0.0000	349.1107	349.1107	0.0161	3.3200e-003	350.4770
Total	19.8621	3.0661	12.2425	0.0345	2.2777	0.0483	2.3260	0.6101	0.0445	0.6547	0.5029	2,801.3674	2,801.8703	0.1383	3.5100e-003	2,805.8628

	ROG	NOx	CO	SO2	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	0.28	7.84	6.44	9.11	9.39	8.77	9.38	9.39	8.77	9.35	75.00	10.58	10.62	42.40	19.12	10.67

4.0 Operational Detail - Mobile

4.1 Mitigation Measures Mobile

- Increase Transit Accessibility
- Improve Pedestrian Network

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Mitigated	1.1434	3.0660	12.2385	0.0345	2.2777	0.0483	2.3260	0.6101	0.0445	0.6546	0.0000	2,432.1027	2,432.1027	0.0916	0.0000	2,434.0255
Unmitigated	1.1773	3.3269	13.0805	0.0380	2.5138	0.0529	2.5667	0.6734	0.0488	0.7222	0.0000	2,676.1242	2,676.1242	0.1002	0.0000	2,678.2281

4.2 Trip Summary Information

	Average Daily Trip Rate			Unmitigated	Mitigated
Land Use	Weekday	Saturday	Sunday	Annual VMT	Annual VMT
City Park	2,304.00	2,304.00	2304.00	6,629,852	6,007,089
Parking Lot	0.00	0.00	0.00		
Total	2,304.00	2,304.00	2,304.00	6,629,852	6,007,089

4.3 Trip Type Information

	Miles			Trip %			Trip Purpose %		
Land Use	H-W or C-W	H-S or C-C	H-O or C-NW	H-W or C-	H-S or C-C	H-O or C-NW	Primary	Diverted	Pass-by
City Park	16.60	8.40	6.90	33.00	48.00	19.00	66	28	6
Parking Lot	16.60	8.40	6.90	0.00	0.00	0.00	0	0	0

LDA	LDT1	LDT2	MDV	LHD1	LHD2	MHD	HHD	OBUS	UBUS	MCY	SBUS	MH
0.530094	0.057664	0.178835	0.124843	0.039181	0.006319	0.017052	0.034445	0.002509	0.003148	0.003693	0.000531	0.001685

[illegible]

Unmitigated

[illegible]

Mitigated

[illegible]

5.3 Energy by Land Use - Electricity

Unmitigated

	Electricity Use	Total CO2	CH4	N2O	CO2e
Land Use	kWh/yr	MT/yr			
City Park	0	0.0000	0.0000	0.0000	0.0000
Parking Lot	70400	20.1462	9.3000e-004	1.9000e-004	20.2250
Total		20.1462	9.3000e-004	1.9000e-004	20.2250

Mitigated

	Electricity Use	Total CO2	CH4	N2O	CO2e
Land Use	kWh/yr	MT/yr			
City Park	0	0.0000	0.0000	0.0000	0.0000
Parking Lot	70400	20.1462	9.3000e-004	1.9000e-004	20.2250
Total		20.1462	9.3000e-004	1.9000e-004	20.2250

6.0 Area Detail

6.1 Mitigation Measures Area

Use Low VOC Paint - Non-Residential Interior

Use Low VOC Paint - Non-Residential Exterior

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Mitigated	18.7187	4.0000e-005	4.0500e-003	0.0000		1.0000e-005	1.0000e-005		1.0000e-005	1.0000e-005	0.0000	7.8200e-003	7.8200e-003	2.0000e-005	0.0000	8.2600e-003
Unmitigated	18.7402	4.0000e-005	4.0500e-003	0.0000		1.0000e-005	1.0000e-005		1.0000e-005	1.0000e-005	0.0000	7.8200e-003	7.8200e-003	2.0000e-005	0.0000	8.2600e-003

6.2 Area by SubCategory

Unmitigated

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N2O	CO2e
SubCategory	tons/yr										MT/yr					
Architectural Coating	0.3178					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Consumer Products	18.4220					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Landscaping	3.8000e-004	4.0000e-005	4.0500e-003	0.0000		1.0000e-005	1.0000e-005		1.0000e-005	1.0000e-005	0.0000	7.8200e-003	7.8200e-003	2.0000e-005	0.0000	8.2600e-003
Total	18.7402	4.0000e-005	4.0500e-003	0.0000		1.0000e-005	1.0000e-005		1.0000e-005	1.0000e-005	0.0000	7.8200e-003	7.8200e-003	2.0000e-005	0.0000	8.2600e-003

Mitigated

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
SubCategory	tons/yr										MT/yr					
Architectural Coating	0.2963					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Consumer Products	18.4220					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Landscaping	3.8000e-004	4.0000e-005	4.0500e-003	0.0000		1.0000e-005	1.0000e-005		1.0000e-005	1.0000e-005	0.0000	7.8200e-003	7.8200e-003	2.0000e-005	0.0000	8.2600e-003
Total	18.7187	4.0000e-005	4.0500e-003	0.0000		1.0000e-005	1.0000e-005		1.0000e-005	1.0000e-005	0.0000	7.8200e-003	7.8200e-003	2.0000e-005	0.0000	8.2600e-003

7.0 Water Detail

7.1 Mitigation Measures Water

Apply Water Conservation Strategy

	Total CO2	CH4	N2O	CO2e
Category	MT/yr			
Mitigated	349.1107	0.0161	3.3200e-003	350.4770
Unmitigated	436.3884	0.0201	4.1500e-003	438.0962

7.2 Water by Land Use

Unmitigated

	Indoor/Outdoor Use	Total CO2	CH4	N2O	CO2e
Land Use	Mgal	MT/yr			
City Park	0 / 137.259	436.3884	0.0201	4.1500e-003	438.0962
Parking Lot	0 / 0	0.0000	0.0000	0.0000	0.0000
Total		436.3884	0.0201	4.1500e-003	438.0962

Mitigated

	Indoor/Outdoor Use	Total CO2	CH4	N2O	CO2e
Land Use	Mgal	MT/yr			
City Park	0 / 109.807	349.1107	0.0161	3.3200e-003	350.4770
Parking Lot	0 / 0	0.0000	0.0000	0.0000	0.0000
Total		349.1107	0.0161	3.3200e-003	350.4770

8.0 Waste Detail

8.1 Mitigation Measures Waste

Institute Recycling and Composting Services

Category/Year

	Total CO2	CH4	N2O	CO2e
	MT/yr			
Mitigated	0.5029	0.0297	0.0000	1.1271
Unmitigated	2.0116	0.1189	0.0000	4.5082

8.2 Waste by Land Use

Unmitigated

	Waste Disposed	Total CO2	CH4	N2O	CO2e
Land Use	tons	MT/yr			
City Park	9.91	2.0116	0.1189	0.0000	4.5082
Parking Lot	0	0.0000	0.0000	0.0000	0.0000
Total		2.0116	0.1189	0.0000	4.5082

Mitigated

	Waste Disposed	Total CO2	CH4	N2O	CO2e
Land Use	tons	MT/yr			
City Park	2.4775	0.5029	0.0297	0.0000	1.1271
Parking Lot	0	0.0000	0.0000	0.0000	0.0000
Total		0.5029	0.0297	0.0000	1.1271

9.0 Operational Offroad

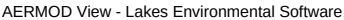
Equipment Type	Number	Hours/Day	Days/Year	Horse Power	Load Factor	Fuel Type

10.0 Vegetation

APPENDIX D

AERMOD Printouts

Sources and receptors



Orange triangles = receptor locations
Blue and red dots = flare sources
Grey grid = receptor grid

24

452

5/3/2016

6351


```

** Lakes Environmental AERMOD MPI
**
*****
**
** AERMOD Input Produced by:
** AERMOD View Ver. 9.1.0
** Lakes Environmental Software Inc.
** Date: 4/18/2016
** File: C:\Lakes\AERMOD View\6351 Puente Hills Landfill Park\6351 Puente Hills Landfill Park.ADI
**
*****
**
**
*****
** AERMOD Control Pathway
*****
**
**
CO STARTING
  TITLEONE C:\Lakes\AERMOD View\6351 Puente Hills Landfill Park\6351 Puente Hil
  TITLETWO 1,3-butadiene
  MODELOPT DFAULT CONC
  AVERTIME 1 ANNUAL
  URBANOPT 9862049 Los_Angeles_County
  POLLUTID 13BUTADI
  RUNORNOT RUN
  ERRORFIL "6351 Puente Hills Landfill Park.err"
CO FINISHED
**
*****
** AERMOD Source Pathway
*****
**
**
SO STARTING
** Source Location **
** Source ID - Type - X Coord. - Y Coord. **
  LOCATION FLARE1      POINT      405412.404  3765266.480    181.580
** DESCRSRC Flares (24 total)
  LOCATION FLARE2      POINT      405417.595  3765268.614    181.640
** DESCRSRC Flares (24 total)
  LOCATION FLARE3      POINT      405415.440  3765263.023    181.620
** DESCRSRC Flares (24 total)
  LOCATION FLARE4      POINT      405420.770  3765264.143    181.690
** DESCRSRC Flares (24 total)
  LOCATION FLARE5      POINT      405417.256  3765258.874    181.640
** DESCRSRC Flares (24 total)
  LOCATION FLARE6      POINT      405423.409  3765260.689    181.720
** DESCRSRC Flares (24 total)
  LOCATION FLARE7      POINT      405418.220  3765254.700    181.650
** DESCRSRC Flares (24 total)

```

LOCATION	FLARE8	POINT	405426.799	3765256.850	181.770
** DESCRSRC	Flares (24 total)				
LOCATION	FLARE9	POINT	405420.223	3765250.883	181.680
** DESCRSRC	Flares (24 total)				
LOCATION	FLARE10	POINT	405429.052	3765252.454	181.800
** DESCRSRC	Flares (24 total)				
LOCATION	FLARE11	POINT	405423.375	3765246.684	181.720
** DESCRSRC	Flares (24 total)				
LOCATION	FLARE12	POINT	405431.589	3765249.405	181.830
** DESCRSRC	Flares (24 total)				
LOCATION	FLARE13	POINT	405427.483	3765241.984	181.780
** DESCRSRC	Flares (24 total)				
LOCATION	FLARE14	POINT	405433.797	3765244.836	181.860
** DESCRSRC	Flares (24 total)				
LOCATION	FLARE15	POINT	405430.394	3765236.806	181.820
** DESCRSRC	Flares (24 total)				
LOCATION	FLARE16	POINT	405436.611	3765241.272	181.900
** DESCRSRC	Flares (24 total)				
LOCATION	FLARE17	POINT	405433.570	3765232.416	181.860
** DESCRSRC	Flares (24 total)				
LOCATION	FLARE18	POINT	405439.798	3765236.907	181.940
** DESCRSRC	Flares (24 total)				
LOCATION	FLARE19	POINT	405436.746	3765227.834	181.900
** DESCRSRC	Flares (24 total)				
LOCATION	FLARE20	POINT	405442.425	3765233.337	181.970
** DESCRSRC	Flares (24 total)				
LOCATION	FLARE21	POINT	405440.173	3765223.711	181.940
** DESCRSRC	Flares (24 total)				
LOCATION	FLARE22	POINT	405445.453	3765228.464	181.980
** DESCRSRC	Flares (24 total)				
LOCATION	FLARE23	POINT	405442.883	3765219.270	181.980
** DESCRSRC	Flares (24 total)				
LOCATION	FLARE24	POINT	405449.335	3765223.937	181.930
** DESCRSRC	Flares (24 total)				
** Source Parameters **					
SRCPARAM	FLARE1	8.8218E-07	10.226	1088.706	4.245 2.530
SRCPARAM	FLARE2	8.8218E-07	10.226	1088.706	4.245 2.530
SRCPARAM	FLARE3	8.8218E-07	10.226	1088.706	4.245 2.530
SRCPARAM	FLARE4	8.8218E-07	10.226	1088.706	4.245 2.530
SRCPARAM	FLARE5	8.8218E-07	10.226	1088.706	4.245 2.530
SRCPARAM	FLARE6	8.8218E-07	10.226	1088.706	4.245 2.530
SRCPARAM	FLARE7	8.8218E-07	10.226	1088.706	4.245 2.530
SRCPARAM	FLARE8	8.8218E-07	10.226	1088.706	4.245 2.530
SRCPARAM	FLARE9	8.8218E-07	10.226	1088.706	4.245 2.530
SRCPARAM	FLARE10	8.8218E-07	10.226	1088.706	4.245 2.530
SRCPARAM	FLARE11	8.8218E-07	10.226	1088.706	4.245 2.530
SRCPARAM	FLARE12	8.8218E-07	10.226	1088.706	4.245 2.530
SRCPARAM	FLARE13	8.8218E-07	10.226	1088.706	4.245 2.530
SRCPARAM	FLARE14	8.8218E-07	10.226	1088.706	4.245 2.530
SRCPARAM	FLARE15	8.8218E-07	10.226	1088.706	4.245 2.530
SRCPARAM	FLARE16	8.8218E-07	10.226	1088.706	4.245 2.530

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SRCPARAM FLARE17      8.8218E-07    10.226  1088.706    4.245    2.530
SRCPARAM FLARE18      8.8218E-07    10.226  1088.706    4.245    2.530
SRCPARAM FLARE19      8.8218E-07    10.226  1088.706    4.245    2.530
SRCPARAM FLARE20      8.8218E-07    10.226  1088.706    4.245    2.530
SRCPARAM FLARE21      8.8218E-07    10.226  1088.706    4.245    2.530
SRCPARAM FLARE22      8.8218E-07    10.226  1088.706    4.245    2.530
SRCPARAM FLARE23      8.8218E-07    10.226  1088.706    4.245    2.530
SRCPARAM FLARE24      8.8218E-07    10.226  1088.706    4.245    2.530
URBANSRC ALL
SRCGROUP ALL
SO FINISHED
**
*****
** AERMOD Receptor Pathway
*****
**
**
RE STARTING
  INCLUDED "6351 Puente Hills Landfill Park.rou"
RE FINISHED
**
*****
** AERMOD Meteorology Pathway
*****
**
**
ME STARTING
  SURFFILE "C:\Users\Kate Wilson\Desktop\Met data\pico8.sfc"
  PROFFILE "C:\Users\Kate Wilson\Desktop\Met data\pico8.PFL"
  SURFDATA 0 2008
  UAIRDATA 3190 2008
  SITEDATA 99999 2008
  PROFBASE 58.0 METERS
ME FINISHED
**
*****
** AERMOD Output Pathway
*****
**
**
OU STARTING
  RECTABLE ALLAVE 1ST
  RECTABLE 1 1ST
** Auto-Generated Plotfiles
  PLOTFILE 1 ALL 1ST "6351 Puente Hills Landfill Park.AD\01H1GALL.PLT" 31
  PLOTFILE ANNUAL ALL "6351 Puente Hills Landfill Park.AD\AN00GALL.PLT" 32
  SUMMFILE "6351 Puente Hills Landfill Park.sum"
OU FINISHED

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

```

*** AERMOD - VERSION 15181 *** *** C:\Lakes\AERMOD View\6351 Puente Hills Landfill Park\6351 Puente Hil *** 04/18/16
*** AERMET - VERSION 14134 *** *** 1,3-butadiene *** 09:02:25
PAGE 1

**MODELOPTs: RegDFAULT CONC ELEV URBAN

*** MODEL SETUP OPTIONS SUMMARY ***

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

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

**Model Uses URBAN Dispersion Algorithm for the SBL for 24 Source(s),
for Total of 1 Urban Area(s):
Urban Population = 9862049.0 ; Urban Roughness Length = 1.000 m

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

**Other Options Specified:
TEMP_Sub - Meteorological data includes TEMP substitutions

**Model Assumes No FLAGPOLE Receptor Heights.

**The User Specified a Pollutant Type of: 13BUTADI

**Model Calculates 1 Short Term Average(s) of: 1-HR
and Calculates ANNUAL Averages

**This Run Includes: 24 Source(s); 1 Source Group(s); and 452 Receptor(s)

with: 24 POINT(s), including
 0 POINTCAP(s) and 0 POINTHOR(s)
and: 0 VOLUME source(s)
and: 0 AREA type source(s)
and: 0 LINE source(s)
and: 0 OPENPIT source(s)

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

**The AERMET Input Meteorological Data Version Date: 14134

****Output Options Selected:**

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

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

****Misc. Inputs:** Base Elev. for Pot. Temp. Profile (m MSL) = 58.00 ; 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:** 6351 Puente Hills Landfill Park.err

****File for Summary of Results:** 6351 Puente Hills Landfill Park.sum

*** AERMOD - VERSION 15181 ***
*** AERMET - VERSION 14134 ***

*** C:\Lakes\AERMOD View\6351 Puente Hills Landfill Park\6351 Puente Hil ***
*** 1,3-butadiene ***

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**MODELOPTs: RegDFAULT CONC ELEV URBAN

*** POINT SOURCE DATA ***

SOURCE ID	NUMBER PART. CATS.	EMISSION RATE (GRAMS/SEC)	X (METERS)	Y (METERS)	BASE ELEV. (METERS)	STACK HEIGHT (METERS)	STACK TEMP. (DEG.K)	STACK EXIT VEL. (M/SEC)	STACK DIAMETER (METERS)	BLDG EXISTS	URBAN SOURCE	CAP/ HOR	EMIS RATE SCALAR VARY BY
FLARE1	0	0.88218E-06	405412.4	3765266.5	181.6	10.23	1088.71	4.25	2.53	NO	YES	NO	
FLARE2	0	0.88218E-06	405417.6	3765268.6	181.6	10.23	1088.71	4.25	2.53	NO	YES	NO	
FLARE3	0	0.88218E-06	405415.4	3765263.0	181.6	10.23	1088.71	4.25	2.53	NO	YES	NO	
FLARE4	0	0.88218E-06	405420.8	3765264.1	181.7	10.23	1088.71	4.25	2.53	NO	YES	NO	
FLARE5	0	0.88218E-06	405417.3	3765258.9	181.6	10.23	1088.71	4.25	2.53	NO	YES	NO	
FLARE6	0	0.88218E-06	405423.4	3765260.7	181.7	10.23	1088.71	4.25	2.53	NO	YES	NO	
FLARE7	0	0.88218E-06	405418.2	3765254.7	181.7	10.23	1088.71	4.25	2.53	NO	YES	NO	
FLARE8	0	0.88218E-06	405426.8	3765256.8	181.8	10.23	1088.71	4.25	2.53	NO	YES	NO	
FLARE9	0	0.88218E-06	405420.2	3765250.9	181.7	10.23	1088.71	4.25	2.53	NO	YES	NO	
FLARE10	0	0.88218E-06	405429.1	3765252.5	181.8	10.23	1088.71	4.25	2.53	NO	YES	NO	
FLARE11	0	0.88218E-06	405423.4	3765246.7	181.7	10.23	1088.71	4.25	2.53	NO	YES	NO	
FLARE12	0	0.88218E-06	405431.6	3765249.4	181.8	10.23	1088.71	4.25	2.53	NO	YES	NO	
FLARE13	0	0.88218E-06	405427.5	3765242.0	181.8	10.23	1088.71	4.25	2.53	NO	YES	NO	
FLARE14	0	0.88218E-06	405433.8	3765244.8	181.9	10.23	1088.71	4.25	2.53	NO	YES	NO	
FLARE15	0	0.88218E-06	405430.4	3765236.8	181.8	10.23	1088.71	4.25	2.53	NO	YES	NO	
FLARE16	0	0.88218E-06	405436.6	3765241.3	181.9	10.23	1088.71	4.25	2.53	NO	YES	NO	
FLARE17	0	0.88218E-06	405433.6	3765232.4	181.9	10.23	1088.71	4.25	2.53	NO	YES	NO	
FLARE18	0	0.88218E-06	405439.8	3765236.9	181.9	10.23	1088.71	4.25	2.53	NO	YES	NO	
FLARE19	0	0.88218E-06	405436.7	3765227.8	181.9	10.23	1088.71	4.25	2.53	NO	YES	NO	
FLARE20	0	0.88218E-06	405442.4	3765233.3	182.0	10.23	1088.71	4.25	2.53	NO	YES	NO	
FLARE21	0	0.88218E-06	405440.2	3765223.7	181.9	10.23	1088.71	4.25	2.53	NO	YES	NO	
FLARE22	0	0.88218E-06	405445.5	3765228.5	182.0	10.23	1088.71	4.25	2.53	NO	YES	NO	
FLARE23	0	0.88218E-06	405442.9	3765219.3	182.0	10.23	1088.71	4.25	2.53	NO	YES	NO	
FLARE24	0	0.88218E-06	405449.3	3765223.9	181.9	10.23	1088.71	4.25	2.53	NO	YES	NO	

*** AERMOD - VERSION 15181 *** *** C:\Lakes\AERMOD View\6351 Puente Hills Landfill Park\6351 Puente Hil *** 04/18/16
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**MODELOPTs: RegDFAULT CONC ELEV URBAN PAGE 3

*** SOURCE IDs DEFINING SOURCE GROUPS ***

SRCGROUP ID	SOURCE IDs
-----	-----
ALL	FLARE1 , FLARE2 , FLARE3 , FLARE4 , FLARE5 , FLARE6 , FLARE7 , FLARE8 ,
	FLARE9 , FLARE10 , FLARE11 , FLARE12 , FLARE13 , FLARE14 , FLARE15 , FLARE16 ,
	FLARE17 , FLARE18 , FLARE19 , FLARE20 , FLARE21 , FLARE22 , FLARE23 , FLARE24 ,

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**MODELOPTs: RegDFAULT CONC ELEV URBAN

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

URBAN ID	URBAN POP	SOURCE IDs
-----	-----	-----
FLARE8	9862049.	FLARE1 , FLARE2 , FLARE3 , FLARE4 , FLARE5 , FLARE6 , FLARE7 ,
	FLARE9	, FLARE10 , FLARE11 , FLARE12 , FLARE13 , FLARE14 , FLARE15 , FLARE16 ,
	FLARE17	, FLARE18 , FLARE19 , FLARE20 , FLARE21 , FLARE22 , FLARE23 , FLARE24 ,

*** AERMOD - VERSION 15181 *** *** C:\Lakes\AERMOD View\6351 Puente Hills Landfill Park\6351 Puente Hil ***
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**MODELOPTs: RegDFAULT CONC ELEV URBAN

*** GRIDDED RECEPTOR NETWORK SUMMARY ***

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

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

404717.5, 404876.5, 405035.6, 405194.7, 405353.7, 405512.8, 405671.9, 405831.0, 405990.0, 406149.1,
406308.2, 406467.2, 406626.3, 406785.4, 406944.4, 407103.5, 407262.6, 407421.7, 407580.7, 407739.8,
407898.9,

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

3763920.0, 3764017.2, 3764114.3, 3764211.4, 3764308.6, 3764405.7, 3764502.9, 3764600.0, 3764697.1, 3764794.3,
3764891.4, 3764988.6, 3765085.7, 3765182.8, 3765280.0, 3765377.1, 3765474.3, 3765571.4, 3765668.5, 3765765.7,
3765862.8,

*** AERMOD - VERSION 15181 ***
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**MODELOPTs: RegDFAULT CONC ELEV URBAN

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

* ELEVATION HEIGHTS IN METERS *

Y-COORD (METERS)	404717.46	404876.53	405035.60	405194.67	405353.74	405512.81	405671.88	405830.95	405990.02
3765862.83	85.20	86.70	88.10	89.80	90.80	91.00	95.30	97.70	97.60
3765765.69	88.00	89.30	91.00	94.80	98.90	99.40	104.00	109.00	109.90
3765668.55	92.90	93.50	102.50	106.30	109.10	108.80	113.00	121.00	120.80
3765571.41	101.00	106.10	116.80	124.20	124.70	117.00	117.30	124.50	121.10
3765474.27	109.40	115.90	132.00	161.80	163.10	122.70	125.40	130.20	121.80
3765377.13	115.60	122.00	145.70	178.70	180.70	138.00	152.10	139.20	121.20
3765279.99	119.10	127.70	157.90	180.20	181.00	174.60	174.50	156.40	131.80
3765182.85	121.50	136.60	167.70	180.50	181.90	182.10	182.00	174.90	168.00
3765085.71	125.30	146.90	177.00	181.90	185.70	191.60	182.00	182.00	184.20
3764988.57	124.50	139.80	172.30	181.90	194.40	221.20	192.20	190.60	201.00
3764891.43	121.60	127.80	162.80	181.70	210.40	242.30	223.60	216.80	231.60
3764794.29	121.80	132.20	165.00	192.00	229.20	245.50	246.70	242.80	245.30
3764697.15	124.00	142.10	174.70	207.10	240.70	250.90	260.70	268.50	279.10
3764600.01	125.70	140.80	179.10	204.50	233.90	258.20	281.20	295.40	302.00
3764502.87	122.10	125.00	177.00	187.00	218.30	262.80	299.20	303.40	302.80
3764405.73	121.00	144.60	179.30	181.90	211.60	263.90	304.00	303.80	303.90
3764308.59	146.30	164.20	181.70	182.00	220.20	264.90	304.00	303.50	297.60
3764211.45	174.40	180.90	182.00	182.00	229.50	265.30	293.20	290.50	276.00
3764114.31	171.50	170.00	180.40	182.00	228.70	262.60	281.20	272.60	252.30
3764017.17	121.00	151.40	179.00	181.90	232.40	255.60	268.20	257.90	243.50
3763920.03	123.00	148.90	183.50	197.80	241.00	247.10	253.90	250.20	243.70

*** AERMOD - VERSION 15181 ***
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**MODELOPTs: RegDFAULT CONC ELEV URBAN

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

* ELEVATION HEIGHTS IN METERS *

Y-COORD (METERS)	406149.09	406308.16	406467.23	406626.30	406785.37	406944.44	407103.51	407262.58	407421.65
3765862.83	91.80	88.90	87.90	93.00	98.60	102.20	99.00	97.50	94.70
3765765.69	101.30	95.70	95.00	99.00	108.40	112.80	108.00	105.20	105.70
3765668.55	111.90	109.30	110.60	113.00	126.00	147.00	130.70	131.70	135.30
3765571.41	118.80	121.20	120.30	117.90	133.60	177.80	156.80	158.40	161.60
3765474.27	126.50	144.40	151.70	127.90	164.20	183.80	183.70	183.30	185.80
3765377.13	138.10	167.60	180.80	156.00	177.30	192.30	195.70	197.70	200.80
3765279.99	161.50	182.70	185.20	172.90	188.80	199.00	201.20	209.50	212.90
3765182.85	191.40	193.30	190.10	192.50	202.60	219.30	231.20	250.40	236.10
3765085.71	229.10	207.40	194.10	206.00	216.30	231.40	250.90	256.80	244.90
3764988.57	243.20	225.30	214.60	225.80	226.50	226.20	227.40	232.10	232.10
3764891.43	255.60	246.70	243.80	247.20	236.80	225.50	210.80	214.80	226.80
3764794.29	277.90	279.40	280.10	270.10	251.20	238.70	215.80	203.70	239.10
3764697.15	297.40	300.80	302.60	288.20	261.50	248.70	223.20	195.80	225.90
3764600.01	303.50	304.00	305.10	297.60	265.00	247.90	222.20	190.60	198.40
3764502.87	303.90	303.50	303.50	298.20	262.00	240.50	208.40	185.40	184.50
3764405.73	303.80	302.50	301.00	295.80	257.30	233.20	207.70	179.10	177.00
3764308.59	293.60	300.30	299.40	296.50	262.00	233.10	223.50	184.50	173.70
3764211.45	277.00	295.40	303.20	302.20	278.10	241.70	237.60	209.30	190.90
3764114.31	258.70	290.30	306.90	307.60	289.30	250.60	252.50	235.30	211.20
3764017.17	244.30	289.20	303.10	304.30	294.80	262.20	253.10	244.20	212.60
3763920.03	251.70	287.60	300.70	299.50	297.00	274.70	257.00	234.70	215.20

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 **MODELOPTs: RegDFAULT CONC ELEV URBAN PAGE 8

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

* ELEVATION HEIGHTS IN METERS *

Y-COORD (METERS)	407580.72	407739.79	407898.86	X-COORD (METERS)
3765862.83	87.60	83.40	78.20	
3765765.69	102.50	97.50	91.70	
3765668.55	116.90	112.80	103.10	
3765571.41	129.10	121.80	114.90	
3765474.27	156.60	146.00	138.50	
3765377.13	182.60	174.00	173.40	
3765279.99	203.70	197.40	195.90	
3765182.85	227.90	226.10	206.00	
3765085.71	234.50	231.90	205.50	
3764988.57	220.40	210.80	196.60	
3764891.43	226.00	212.30	186.50	
3764794.29	249.90	238.50	206.80	
3764697.15	259.40	252.50	223.70	
3764600.01	245.40	248.40	223.70	
3764502.87	221.90	229.20	208.80	
3764405.73	188.10	194.70	185.80	
3764308.59	164.80	160.90	153.60	
3764211.45	177.30	166.10	141.70	
3764114.31	196.00	186.80	150.60	
3764017.17	188.40	181.90	150.80	
3763920.03	176.00	164.80	150.40	

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* HILL HEIGHT SCALES IN METERS *

[illegible]

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**MODELOPTs: RegDFAULT CONC ELEV URBAN

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

* HILL HEIGHT SCALES IN METERS *

Y-COORD (METERS)	406149.09	406308.16	406467.23	406626.30	406785.37	406944.44	407103.51	407262.58	407421.65
3765862.83	311.00	311.00	311.00	311.00	311.00	311.00	311.00	311.00	311.00
3765765.69	311.00	311.00	311.00	311.00	311.00	311.00	311.00	311.00	311.00
3765668.55	311.00	311.00	311.00	311.00	311.00	311.00	311.00	311.00	311.00
3765571.41	311.00	311.00	311.00	311.00	311.00	306.00	311.00	306.00	306.00
3765474.27	311.00	311.00	311.00	311.00	311.00	306.00	306.00	306.00	267.00
3765377.13	311.00	311.00	306.00	311.00	311.00	306.00	306.00	306.00	267.00
3765279.99	311.00	311.00	311.00	311.00	311.00	306.00	306.00	302.00	263.00
3765182.85	308.00	311.00	311.00	311.00	306.00	306.00	263.00	263.00	263.00
3765085.71	306.00	306.00	311.00	311.00	306.00	306.00	259.00	263.00	263.00
3764988.57	306.00	306.00	311.00	306.00	306.00	306.00	306.00	263.00	267.00
3764891.43	306.00	306.00	306.00	306.00	306.00	311.00	311.00	311.00	267.00
3764794.29	305.00	306.00	306.00	306.00	306.00	306.00	311.00	311.00	267.00
3764697.15	303.00	300.80	302.60	306.00	306.00	306.00	311.00	311.00	267.00
3764600.01	303.50	304.00	305.10	306.00	306.00	311.00	311.00	311.00	311.00
3764502.87	303.90	303.50	303.50	306.00	311.00	311.00	311.00	311.00	311.00
3764405.73	303.80	302.50	301.00	304.00	311.00	311.00	311.00	354.00	354.00
3764308.59	304.00	300.30	299.40	296.50	311.00	311.00	311.00	354.00	354.00
3764211.45	304.00	295.40	303.20	302.20	311.00	311.00	311.00	345.00	354.00
3764114.31	308.00	307.00	306.90	307.60	311.00	311.00	311.00	311.00	345.00
3764017.17	311.00	307.00	303.10	304.30	311.00	311.00	311.00	311.00	354.00
3763920.03	309.00	304.00	300.70	299.50	297.00	311.00	311.00	345.00	354.00

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 **MODELOPTs: RegDFAULT CONC ELEV URBAN PAGE 11

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

* HILL HEIGHT SCALES IN METERS *

Y-COORD (METERS)	407580.72	407739.79	407898.86	X-COORD (METERS)
3765862.83	311.00	311.00	311.00	
3765765.69	311.00	311.00	311.00	
3765668.55	311.00	311.00	311.00	
3765571.41	311.00	311.00	311.00	
3765474.27	306.00	306.00	306.00	
3765377.13	267.00	267.00	267.00	
3765279.99	267.00	267.00	267.00	
3765182.85	263.00	240.00	267.00	
3765085.71	238.00	240.00	267.00	
3764988.57	267.00	267.00	267.00	
3764891.43	267.00	267.00	267.00	
3764794.29	267.00	267.00	267.00	
3764697.15	267.00	265.00	267.00	
3764600.01	267.00	265.00	267.00	
3764502.87	267.00	267.00	267.00	
3764405.73	345.00	311.00	343.00	
3764308.59	354.00	354.00	354.00	
3764211.45	354.00	354.00	354.00	
3764114.31	352.00	352.00	354.00	
3764017.17	354.00	354.00	354.00	
3763920.03	354.00	354.00	354.00	

*** AERMOD - VERSION 15181 *** *** C:\Lakes\AERMOD View\6351 Puente Hills Landfill Park\6351 Puente Hil *** 04/18/16
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**MODELOPTs: RegDFAULT CONC ELEV URBAN

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

(405475.9, 3765283.3,	178.5,	306.0,	0.0);	(405487.3, 3765227.6,	181.1,	306.0,	0.0);
(405496.8, 3765177.1,	182.5,	306.0,	0.0);	(405361.1, 3765124.2,	183.8,	306.0,	0.0);
(405556.6, 3765179.2,	182.0,	306.0,	0.0);	(405517.0, 3765024.9,	207.2,	305.0,	0.0);
(405795.3, 3765005.2,	188.0,	308.0,	0.0);	(406083.9, 3765241.0,	155.0,	311.0,	0.0);
(406158.4, 3764974.0,	244.3,	306.0,	0.0);	(405659.6, 3764787.4,	247.3,	304.0,	0.0);
(405927.5, 3765602.5,	122.2,	311.0,	0.0);				

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 **MODELOPTs: RegDFAULT CONC ELEV URBAN PAGE 13

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

1 1 1 1 1 1 1 1 1 1	1 1 1 1 1 1 1 1 1 1	1 1 1 1 1 1 1 1 1 1	1 1 1 1 1 1 1 1 1 1	1 1 1 1 1 1 1 1 1 1
1 1 1 1 1 1 1 1 1 1	1 1 1 1 1 1 1 1 1 1	1 1 1 1 1 1 1 1 1 1	1 1 1 1 1 1 1 1 1 1	1 1 1 1 1 1 1 1 1 1
1 1 1 1 1 1 1 1 1 1	1 1 1 1 1 1 1 1 1 1	1 1 1 1 1 1 1 1 1 1	1 1 1 1 1 1 1 1 1 1	1 1 1 1 1 1 1 1 1 1
1 1 1 1 1 1 1 1 1 1	1 1 1 1 1 1 1 1 1 1	1 1 1 1 1 1 1 1 1 1	1 1 1 1 1 1 1 1 1 1	1 1 1 1 1 1 1 1 1 1
1 1 1 1 1 1 1 1 1 1	1 1 1 1 1 1 1 1 1 1	1 1 1 1 1 1 1 1 1 1	1 1 1 1 1 1 1 1 1 1	1 1 1 1 1 1 1 1 1 1
1 1 1 1 1 1 1 1 1 1	1 1 1 1 1 1 1 1 1 1	1 1 1 1 1 1 1 1 1 1	1 1 1 1 1 1 1 1 1 1	1 1 1 1 1 1 1 1 1 1
1 1 1 1 1 1 1 1 1 1	1 1 1 1 1 1 1 1 1 1	1 1 1 1 1 1 1 1 1 1	1 1 1 1 1 1 1 1 1 1	1 1 1 1 1 1 1 1 1 1
1 1 1 1 1 1 1 1 1 1	1 1 1 1 1 1 1 1 1 1	1 1 1 1 1 1 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,

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 *** AERMET - VERSION 14134 *** *** 1,3-butadiene *** 09:02:25
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**MODELOPTs: RegDEFAULT CONC ELEV URBAN

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

Surface file: C:\Users\Kate Wilson\Desktop\Met data\pico8.sfc Met Version: 14134
 Profile file: C:\Users\Kate Wilson\Desktop\Met data\pico8.PFL
 Surface format: FREE
 Profile format: FREE
 Surface station no.: 0 Upper air station no.: 3190
 Name: UNKNOWN Name: UNKNOWN
 Year: 2008 Year: 2008

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
08	01	01	1	01	-999.0	-9.000	-9.000	-9.000	-999.	-999.	-99999.0	0.34	1.00	1.00	999.00	999.	-9.0	285.4	5.5			
08	01	01	1	02	-999.0	-9.000	-9.000	-9.000	-999.	-999.	-99999.0	0.34	1.00	1.00	999.00	999.	-9.0	284.2	5.5			
08	01	01	1	03	-999.0	-9.000	-9.000	-9.000	-999.	-999.	-99999.0	0.34	1.00	1.00	999.00	999.	-9.0	283.8	5.5			
08	01	01	1	04	-999.0	-9.000	-9.000	-9.000	-999.	-999.	-99999.0	0.34	1.00	1.00	999.00	999.	-9.0	284.2	5.5			
08	01	01	1	05	-999.0	-9.000	-9.000	-9.000	-999.	-999.	-99999.0	0.34	1.00	1.00	999.00	999.	-9.0	284.9	5.5			
08	01	01	1	06	-999.0	-9.000	-9.000	-9.000	-999.	-999.	-99999.0	0.34	1.00	1.00	999.00	999.	-9.0	285.4	5.5			
08	01	01	1	07	-999.0	-9.000	-9.000	-9.000	-999.	-999.	-99999.0	0.34	1.00	1.00	999.00	999.	-9.0	285.9	5.5			
08	01	01	1	08	-999.0	-9.000	-9.000	-9.000	-999.	-999.	-99999.0	0.34	1.00	0.54	999.00	999.	-9.0	286.4	5.5			
08	01	01	1	09	28.6	-9.000	-9.000	-9.000	61.	-999.	-99999.0	0.34	1.00	0.32	999.00	999.	-9.0	287.0	5.5			
08	01	01	1	10	83.5	-9.000	-9.000	-9.000	164.	-999.	-99999.0	0.34	1.00	0.24	999.00	999.	-9.0	289.2	5.5			
08	01	01	1	11	131.2	-9.000	-9.000	-9.000	427.	-999.	-99999.0	0.34	1.00	0.21	999.00	999.	-9.0	292.5	5.5			
08	01	01	1	12	130.6	-9.000	-9.000	-9.000	620.	-999.	-99999.0	0.34	1.00	0.20	999.00	999.	-9.0	294.2	5.5			
08	01	01	1	13	112.1	-9.000	-9.000	-9.000	723.	-999.	-99999.0	0.34	1.00	0.20	999.00	999.	-9.0	294.9	5.5			
08	01	01	1	14	86.7	-9.000	-9.000	-9.000	762.	-999.	-99999.0	0.34	1.00	0.21	999.00	999.	-9.0	294.9	5.5			
08	01	01	1	15	37.3	-9.000	-9.000	-9.000	778.	-999.	-99999.0	0.34	1.00	0.25	999.00	999.	-9.0	294.2	5.5			
08	01	01	1	16	12.7	-9.000	-9.000	-9.000	783.	-999.	-99999.0	0.34	1.00	0.33	999.00	999.	-9.0	293.8	5.5			
08	01	01	1	17	-999.0	-9.000	-9.000	-9.000	-999.	-999.	-99999.0	0.34	1.00	0.60	999.00	999.	-9.0	292.5	5.5			
08	01	01	1	18	-999.0	-9.000	-9.000	-9.000	-999.	-999.	-99999.0	0.34	1.00	1.00	999.00	999.	-9.0	291.4	5.5			
08	01	01	1	19	-999.0	-9.000	-9.000	-9.000	-999.	-999.	-99999.0	0.34	1.00	1.00	999.00	999.	-9.0	290.9	5.5			
08	01	01	1	20	-999.0	-9.000	-9.000	-9.000	-999.	-999.	-99999.0	0.34	1.00	1.00	999.00	999.	-9.0	288.8	5.5			
08	01	01	1	21	-999.0	-9.000	-9.000	-9.000	-999.	-999.	-99999.0	0.34	1.00	1.00	999.00	999.	-9.0	288.1	5.5			
08	01	01	1	22	-999.0	-9.000	-9.000	-9.000	-999.	-999.	-99999.0	0.34	1.00	1.00	999.00	999.	-9.0	288.1	5.5			
08	01	01	1	23	-999.0	-9.000	-9.000	-9.000	-999.	-999.	-99999.0	0.34	1.00	1.00	999.00	999.	-9.0	288.8	5.5			
08	01	01	1	24	-999.0	-9.000	-9.000	-9.000	-999.	-999.	-99999.0	0.34	1.00	1.00	999.00	999.	-9.0	287.5	5.5			

First hour of profile data

YR	MO	DY	HR	HEIGHT	F	WDIR	WSPD	AMB_TMP	sigmaA	sigmaW	sigmaV
08	01	01	01	5.5	0	-999.	-99.00	285.4	99.0	-99.00	-99.00
08	01	01	01	9.1	1	-999.	-99.00	-999.0	99.0	-99.00	-99.00

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

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**MODELOPTs:  RegDFAULT CONC      ELEV      URBAN
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*** THE ANNUAL AVERAGE CONCENTRATION			VALUES AVERAGED OVER			5 YEARS FOR SOURCE GROUP: ALL			***
INCLUDING SOURCE(S):			FLARE1	FLARE2	FLARE3	FLARE4	FLARE5		
FLARE6	FLARE7	FLARE8	FLARE9	FLARE10	FLARE11	FLARE12	FLARE13		
FLARE14	FLARE15	FLARE16	FLARE17	FLARE18	FLARE19	FLARE20	FLARE21		
FLARE22	FLARE23	FLARE24							

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*** NETWORK ID: UCART1    ; NETWORK TYPE: GRIDCART ***
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** CONC OF 13BUTADI IN MICROGRAMS/M**3

* *

[illegible]

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**MODELOPTs:  ReqDEFAULT CONC      ELEV      URBAN

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*** THE ANNUAL AVERAGE CONCENTRATION			VALUES AVERAGED OVER 5 YEARS FOR SOURCE GROUP: ALL					***
INCLUDING SOURCE(S):			FLARE1	FLARE2	FLARE3	FLARE4	FLARE5	
FLARE6	FLARE7	FLARE8	FLARE9	FLARE10	FLARE11	FLARE12	FLARE13	
FLARE14	FLARE15	FLARE16	FLARE17	FLARE18	FLARE19	FLARE20	FLARE21	
FLARE22	FLARE23	FLARE24						

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

** CONC OF 13BUTADI IN MICROGRAMS/M**3
 **

[illegible]

*** AERMOD - VERSION 15181 *** *** C:\Lakes\AERMOD View\6351 Puente Hills Landfill Park\6351 Puente Hil *** 04/18/16
 *** AERMET - VERSION 14134 *** *** 1,3-butadiene *** 09:02:25
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**MODELOPTs: RegDFAULT CONC ELEV URBAN

*** THE ANNUAL AVERAGE CONCENTRATION VALUES AVERAGED OVER 5 YEARS FOR SOURCE GROUP: ALL ***
 INCLUDING SOURCE(S): FLARE1 , FLARE2 , FLARE3 , FLARE4 , FLARE5 ,
 FLARE6 , FLARE7 , FLARE8 , FLARE9 , FLARE10 , FLARE11 , FLARE12 , FLARE13 ,
 FLARE14 , FLARE15 , FLARE16 , FLARE17 , FLARE18 , FLARE19 , FLARE20 , FLARE21 ,
 FLARE22 , FLARE23 , FLARE24 ,

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

** CONC OF 13BUTADI IN MICROGRAMS/M**3 **

Y-COORD (METERS)	X-COORD (METERS)		
	407580.72	407739.79	407898.86
3765862.83	0.00000	0.00000	0.00000
3765765.69	0.00000	0.00000	0.00000
3765668.55	0.00000	0.00000	0.00000
3765571.41	0.00000	0.00000	0.00000
3765474.27	0.00000	0.00000	0.00000
3765377.13	0.00000	0.00000	0.00000
3765279.99	0.00000	0.00000	0.00000
3765182.85	0.00000	0.00000	0.00000
3765085.71	0.00000	0.00000	0.00000
3764988.57	0.00000	0.00000	0.00000
3764891.43	0.00000	0.00000	0.00000
3764794.29	0.00000	0.00000	0.00000
3764697.15	0.00000	0.00000	0.00000
3764600.01	0.00000	0.00000	0.00000
3764502.87	0.00000	0.00000	0.00000
3764405.73	0.00000	0.00000	0.00000
3764308.59	0.00000	0.00000	0.00000
3764211.45	0.00000	0.00000	0.00000
3764114.31	0.00000	0.00000	0.00000
3764017.17	0.00000	0.00000	0.00000
3763920.03	0.00000	0.00000	0.00000

*** AERMOD - VERSION 15181 *** *** C:\Lakes\AERMOD View\6351 Puente Hills Landfill Park\6351 Puente Hil *** 04/18/16
 *** AERMET - VERSION 14134 *** *** 1,3-butadiene *** 09:02:25
 **MODELOPTs: RegDFAULT CONC ELEV URBAN PAGE 18

*** THE ANNUAL AVERAGE CONCENTRATION VALUES AVERAGED OVER 5 YEARS FOR SOURCE GROUP: ALL ***
 INCLUDING SOURCE(S): FLARE1 , FLARE2 , FLARE3 , FLARE4 , FLARE5 ,
 FLARE6 , FLARE7 , FLARE8 , FLARE9 , FLARE10 , FLARE11 , FLARE12 , FLARE13 ,
 FLARE14 , FLARE15 , FLARE16 , FLARE17 , FLARE18 , FLARE19 , FLARE20 , FLARE21 ,
 FLARE22 , FLARE23 , FLARE24 ,

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

** CONC OF 13BUTADI IN MICROGRAMS/M**3 **

X-COORD (M)	Y-COORD (M)	CONC	X-COORD (M)	Y-COORD (M)	CONC
405475.87	3765283.33	0.00001	405487.28	3765227.63	0.00001
405496.83	3765177.10	0.00001	405361.06	3765124.16	0.00001
405556.64	3765179.21	0.00001	405516.99	3765024.87	0.00000
405795.26	3765005.20	0.00000	406083.86	3765241.01	0.00000
406158.41	3764974.02	0.00000	405659.63	3764787.39	0.00000
405927.52	3765602.51	0.00000			

*** AERMOD - VERSION 15181 *** *** C:\Lakes\AERMOD View\6351 Puente Hills Landfill Park\6351 Puente Hil *** 04/18/16
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**MODELOPTs: RegDFAULT CONC ELEV URBAN

*** THE 1ST HIGHEST 1-HR AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: ALL ***
INCLUDING SOURCE(S): FLARE1 , FLARE2 , FLARE3 , FLARE4 , FLARE5 ,
FLARE6 , FLARE7 , FLARE8 , FLARE9 , FLARE10 , FLARE11 , FLARE12 , FLARE13 ,
FLARE14 , FLARE15 , FLARE16 , FLARE17 , FLARE18 , FLARE19 , FLARE20 , FLARE21 ,
FLARE22 , FLARE23 , FLARE24 ,

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

** CONC OF 13BUTADI IN MICROGRAMS/M**3 **

Y-COORD (METERS)	404717.46	404876.53	X-COORD (METERS) 405035.60	405194.67	405353.74
3765862.8	0.00006 (08010421)	0.00006 (08010422)	0.00007 (08012705)	0.00008 (10122017)	0.00009 (08010501)
3765765.7	0.00006 (08010421)	0.00007 (08010421)	0.00009 (08010422)	0.00010 (10122017)	0.00011 (08010501)
3765668.5	0.00005 (08010421)	0.00008 (08010421)	0.00010 (08010422)	0.00012 (08010423)	0.00015 (08010501)
3765571.4	0.00005 (08012421)	0.00007 (08010421)	0.00011 (08010421)	0.00015 (08010422)	0.00019 (08010501)
3765474.3	0.00005 (12041104)	0.00005 (08012421)	0.00009 (08010421)	0.00017 (08010422)	0.00029 (08010424)
3765377.1	0.00006 (11032018)	0.00007 (11032018)	0.00007 (12042514)	0.00018 (10100512)	0.00059 (08010424)
3765280.0	0.00008 (11032018)	0.00010 (11032018)	0.00012 (11032018)	0.00020 (10102712)	0.00025 (08101709)
3765182.8	0.00007 (11032018)	0.00009 (11032018)	0.00012 (08022207)	0.00027 (11120103)	0.00045 (11120103)
3765085.7	0.00007 (08022207)	0.00010 (08022207)	0.00016 (11120103)	0.00031 (08012701)	0.00028 (08010701)
3764988.6	0.00007 (08022207)	0.00008 (08022207)	0.00014 (08012701)	0.00022 (08012620)	0.00013 (08010701)
3764891.4	0.00006 (08022207)	0.00007 (08012620)	0.00012 (08012620)	0.00019 (08010701)	0.00019 (09060302)
3764794.3	0.00005 (08012624)	0.00008 (08012624)	0.00010 (08112604)	0.00015 (08010701)	0.00013 (09060302)
3764697.1	0.00006 (08012624)	0.00007 (08012619)	0.00010 (08022206)	0.00009 (08010623)	0.00009 (10120518)
3764600.0	0.00005 (08012624)	0.00006 (08112604)	0.00009 (08022206)	0.00008 (09060302)	0.00009 (09060302)
3764502.9	0.00005 (08022323)	0.00006 (12030705)	0.00007 (08022206)	0.00008 (09060302)	0.00009 (09060302)
3764405.7	0.00005 (12030705)	0.00005 (08022206)	0.00006 (08010623)	0.00008 (09060302)	0.00008 (09060302)
3764308.6	0.00004 (12030705)	0.00005 (08010623)	0.00005 (08010623)	0.00007 (09060302)	0.00006 (09060302)
3764211.4	0.00005 (12030705)	0.00005 (08010623)	0.00005 (09060302)	0.00006 (09060302)	0.00005 (09060302)
3764114.3	0.00004 (08010623)	0.00004 (08010623)	0.00005 (09060302)	0.00006 (09060302)	0.00005 (09060302)
3764017.2	0.00003 (08010623)	0.00003 (08010623)	0.00005 (09060302)	0.00005 (09060302)	0.00004 (09060302)
3763920.0	0.00003 (08010623)	0.00003 (08010623)	0.00004 (09060302)	0.00005 (09060302)	0.00003 (09060302)

*** AERMOD - VERSION 15181 *** *** C:\Lakes\AERMOD View\6351 Puente Hills Landfill Park\6351 Puente Hil *** 04/18/16
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**MODELOPTs: RegDFAULT CONC ELEV URBAN

*** THE 1ST HIGHEST 1-HR AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: ALL ***
INCLUDING SOURCE(S): FLARE1 , FLARE2 , FLARE3 , FLARE4 , FLARE5 ,
FLARE6 , FLARE7 , FLARE8 , FLARE9 , FLARE10 , FLARE11 , FLARE12 , FLARE13 ,
FLARE14 , FLARE15 , FLARE16 , FLARE17 , FLARE18 , FLARE19 , FLARE20 , FLARE21 ,
FLARE22 , FLARE23 , FLARE24 ,

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

** CONC OF 13BUTADI IN MICROGRAMS/M**3 **

Y-COORD (METERS)	405512.81	405671.88	X-COORD (METERS) 405830.95	405990.02	406149.09
3765862.8	0.00009 (10033118)	0.00008 (10042118)	0.00007 (11102318)	0.00006 (12041318)	0.00006 (12090919)
3765765.7	0.00010 (10033118)	0.00010 (10042118)	0.00008 (08020318)	0.00007 (12090919)	0.00006 (12090919)
3765668.5	0.00012 (10033118)	0.00011 (10042118)	0.00008 (12041318)	0.00007 (12090919)	0.00006 (12031819)
3765571.4	0.00015 (10042118)	0.00011 (10042118)	0.00009 (12090919)	0.00008 (12031818)	0.00006 (12031818)
3765474.3	0.00021 (10042118)	0.00010 (12121813)	0.00009 (12031818)	0.00007 (12031818)	0.00005 (12031818)
3765377.1	0.00025 (08052114)	0.00013 (12031815)	0.00007 (12031818)	0.00005 (12031818)	0.00003 (10123010)
3765280.0	0.00027 (12012113)	0.00017 (12111014)	0.00008 (12111014)	0.00005 (10122923)	0.00005 (10122923)
3765182.8	0.00028 (09022810)	0.00016 (10122923)	0.00013 (10122923)	0.00010 (10122923)	0.00009 (10122923)
3765085.7	0.00021 (09011809)	0.00013 (10112810)	0.00014 (10122923)	0.00013 (10122923)	0.00009 (10122923)
3764988.6	0.00016 (09011808)	0.00010 (11111008)	0.00011 (09102718)	0.00008 (10122923)	0.00007 (11030721)
3764891.4	0.00014 (10010903)	0.00011 (12121819)	0.00013 (09102718)	0.00009 (09102718)	0.00007 (10120102)
3764794.3	0.00009 (10010903)	0.00011 (10110404)	0.00010 (12121818)	0.00007 (09102718)	0.00008 (08122103)
3764697.1	0.00006 (10010903)	0.00009 (09011807)	0.00009 (08122803)	0.00009 (09012705)	0.00008 (10011108)
3764600.0	0.00007 (08011224)	0.00010 (09040502)	0.00009 (11022802)	0.00009 (08112603)	0.00008 (09030706)
3764502.9	0.00007 (08011224)	0.00009 (12101721)	0.00009 (10111323)	0.00008 (09011022)	0.00007 (10110523)
3764405.7	0.00006 (08011224)	0.00008 (08121022)	0.00008 (10121119)	0.00007 (12101501)	0.00007 (08112603)
3764308.6	0.00005 (08011224)	0.00008 (12010208)	0.00007 (08100624)	0.00007 (08011420)	0.00006 (10123101)
3764211.4	0.00005 (08011224)	0.00007 (08032304)	0.00007 (09040502)	0.00006 (10030504)	0.00006 (08122803)
3764114.3	0.00004 (08011224)	0.00006 (09011423)	0.00006 (10111204)	0.00004 (10110404)	0.00004 (08121003)
3764017.2	0.00003 (11012704)	0.00005 (09011423)	0.00004 (10111204)	0.00004 (09011808)	0.00003 (09011808)
3763920.0	0.00002 (11012704)	0.00003 (09011423)	0.00003 (10123106)	0.00004 (09011808)	0.00003 (09011808)

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**MODELOPTs:  ReqDEFAULT CONC      ELEV      URBAN

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	***	THE	1ST HIGHEST	1-HR AVERAGE CONCENTRATION		VALUES FOR SOURCE GROUP:	ALL	***
		INCLUDING	SOURCE(S):	FLARE1 , FLARE2 , FLARE3 , FLARE4 , FLARE5 ,				
FLARE6 ,	FLARE7 ,	FLARE8 ,	FLARE9 ,	FLARE10 ,	FLARE11 ,	FLARE12 ,	FLARE13 ,	
FLARE14 ,	FLARE15 ,	FLARE16 ,	FLARE17 ,	FLARE18 ,	FLARE19 ,	FLARE20 ,	FLARE21 ,	
FLARE22 ,	FLARE23 ,	FLARE24 ,						

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

** CONC OF 13BUTADI IN MICROGRAMS/M**3

Y-COORD (METERS)	X-COORD (METERS)				
	406308.16	406467.23	406626.30	406785.37	406944.44
3765862.8	0.00004 (12031819)	0.00004 (12031819)	0.00004 (12031819)	0.00003 (10102806)	0.00003 (10102806)
3765765.7	0.00005 (12031819)	0.00004 (12031819)	0.00004 (10102806)	0.00003 (10102806)	0.00003 (10102806)
3765668.5	0.00005 (12031818)	0.00004 (12031818)	0.00004 (10102806)	0.00003 (10102806)	0.00003 (10102806)
3765571.4	0.00005 (12031818)	0.00004 (10102806)	0.00003 (10102806)	0.00003 (10102806)	0.00003 (10102806)
3765474.3	0.00004 (10102806)	0.00003 (10102806)	0.00003 (10102806)	0.00003 (10110817)	0.00003 (10110817)
3765377.1	0.00003 (10110817)	0.00004 (10110817)	0.00003 (10110817)	0.00003 (10110817)	0.00003 (10110817)
3765280.0	0.00005 (10122923)	0.00004 (10110817)	0.00004 (10110817)	0.00004 (10110817)	0.00003 (10110817)
3765182.8	0.00007 (10122923)	0.00005 (10122923)	0.00004 (10122923)	0.00004 (10122923)	0.00003 (10110817)
3765085.7	0.00008 (10122923)	0.00007 (10122923)	0.00005 (10122923)	0.00004 (10122923)	0.00004 (11030722)
3764988.6	0.00007 (10122923)	0.00007 (10122923)	0.00006 (10122923)	0.00005 (10122923)	0.00004 (10122923)
3764891.4	0.00005 (09102717)	0.00005 (11030721)	0.00005 (08052119)	0.00004 (08052119)	0.00004 (10122923)
3764794.3	0.00007 (08113005)	0.00006 (08122002)	0.00005 (10012307)	0.00004 (11030721)	0.00004 (08052119)
3764697.1	0.00007 (08042801)	0.00006 (10102719)	0.00005 (12030702)	0.00004 (08122002)	0.00003 (11030721)
3764600.0	0.00007 (10011108)	0.00006 (08042801)	0.00005 (10102719)	0.00004 (10113005)	0.00003 (09102717)
3764502.9	0.00006 (09070623)	0.00006 (09092905)	0.00005 (08042801)	0.00004 (11022803)	0.00003 (09102721)
3764405.7	0.00006 (08112807)	0.00005 (09070623)	0.00005 (09092905)	0.00003 (08122103)	0.00003 (09102721)
3764308.6	0.00006 (10110523)	0.00005 (09030706)	0.00005 (09111106)	0.00003 (08012607)	0.00003 (09102721)
3764211.4	0.00005 (08112603)	0.00005 (09122001)	0.00004 (08031106)	0.00004 (11021806)	0.00003 (09102718)
3764114.3	0.00005 (08122001)	0.00005 (08112107)	0.00004 (08112807)	0.00004 (08122101)	0.00003 (09102718)
3764017.2	0.00005 (08122803)	0.00004 (08111406)	0.00004 (10110523)	0.00004 (08013106)	0.00003 (08122101)
3763920.0	0.00005 (09121606)	0.00004 (08122708)	0.00004 (09030206)	0.00004 (08112807)	0.00003 (08013106)

*** AERMOD - VERSION 15181 *** *** C:\Lakes\AERMOD View\6351 Puente Hills Landfill Park\6351 Puente Hil *** 04/18/16
*** AERMET - VERSION 14134 *** *** 1,3-butadiene *** 09:02:25
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**MODELOPTs: RegDFAULT CONC ELEV URBAN

*** THE 1ST HIGHEST 1-HR AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: ALL ***
INCLUDING SOURCE(S): FLARE1 , FLARE2 , FLARE3 , FLARE4 , FLARE5 ,
FLARE6 , FLARE7 , FLARE8 , FLARE9 , FLARE10 , FLARE11 , FLARE12 , FLARE13 ,
FLARE14 , FLARE15 , FLARE16 , FLARE17 , FLARE18 , FLARE19 , FLARE20 , FLARE21 ,
FLARE22 , FLARE23 , FLARE24 ,

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

** CONC OF 13BUTADI IN MICROGRAMS/M**3 **

Y-COORD (METERS)	407103.51	407262.58	X-COORD (METERS) 407421.65	407580.72	407739.79
3765862.8	0.00003 (10102806)	0.00002 (10102806)	0.00002 (10102806)	0.00002 (10102806)	0.00002 (10102806)
3765765.7	0.00002 (10102806)	0.00002 (10102806)	0.00002 (10102806)	0.00002 (10102806)	0.00001 (12081020)
3765668.5	0.00002 (10102806)	0.00002 (10102806)	0.00002 (10102806)	0.00002 (10110817)	0.00002 (10110817)
3765571.4	0.00002 (10110817)	0.00002 (10110817)	0.00002 (10110817)	0.00002 (10110817)	0.00002 (10110817)
3765474.3	0.00003 (10110817)	0.00003 (10110817)	0.00003 (10110817)	0.00002 (10110817)	0.00002 (10110817)
3765377.1	0.00003 (10110817)	0.00003 (10110817)	0.00003 (10110817)	0.00003 (10110817)	0.00002 (10110817)
3765280.0	0.00003 (10110817)	0.00003 (10110817)	0.00003 (10110817)	0.00003 (10110817)	0.00002 (10110817)
3765182.8	0.00003 (10110817)	0.00003 (10110817)	0.00003 (10110817)	0.00002 (10110817)	0.00002 (10110817)
3765085.7	0.00003 (11030722)	0.00003 (09113004)	0.00003 (11030722)	0.00003 (11030722)	0.00002 (11030722)
3764988.6	0.00003 (10122923)	0.00003 (11030722)	0.00003 (11030722)	0.00003 (11030722)	0.00002 (11030722)
3764891.4	0.00004 (10122923)	0.00003 (10122923)	0.00003 (10122923)	0.00003 (12121821)	0.00002 (11030722)
3764794.3	0.00004 (10122923)	0.00003 (10122923)	0.00003 (08052119)	0.00002 (12121821)	0.00002 (12121821)
3764697.1	0.00003 (08052119)	0.00003 (08052119)	0.00003 (08052119)	0.00002 (08011406)	0.00002 (08052119)
3764600.0	0.00003 (08052119)	0.00003 (08052119)	0.00003 (08052119)	0.00003 (11030721)	0.00002 (08052119)
3764502.9	0.00003 (08052119)	0.00003 (08052119)	0.00003 (08052119)	0.00003 (08052119)	0.00002 (11030721)
3764405.7	0.00003 (09102721)	0.00002 (09102721)	0.00002 (08052119)	0.00002 (11030721)	0.00002 (08052119)
3764308.6	0.00003 (09102721)	0.00003 (09102721)	0.00002 (09102721)	0.00002 (09102721)	0.00002 (11030721)
3764211.4	0.00003 (09102721)	0.00003 (09102721)	0.00002 (09102721)	0.00002 (09102721)	0.00002 (09102721)
3764114.3	0.00003 (09102718)	0.00003 (09102721)	0.00003 (09102721)	0.00002 (09102721)	0.00002 (09102721)
3764017.2	0.00003 (09102718)	0.00002 (09102718)	0.00002 (09102721)	0.00002 (09102721)	0.00002 (09102721)
3763920.0	0.00002 (09102807)	0.00003 (09102718)	0.00002 (09102718)	0.00002 (09102721)	0.00002 (09102721)

*** AERMOD - VERSION 15181 *** *** C:\Lakes\AERMOD View\6351 Puente Hills Landfill Park\6351 Puente Hil *** 04/18/16
*** AERMET - VERSION 14134 *** *** 1,3-butadiene *** 09:02:25
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**MODELOPTs: RegDFAULT CONC ELEV URBAN

*** THE 1ST HIGHEST 1-HR AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: ALL ***
INCLUDING SOURCE(S): FLARE1 , FLARE2 , FLARE3 , FLARE4 , FLARE5 ,
FLARE6 , FLARE7 , FLARE8 , FLARE9 , FLARE10 , FLARE11 , FLARE12 , FLARE13 ,
FLARE14 , FLARE15 , FLARE16 , FLARE17 , FLARE18 , FLARE19 , FLARE20 , FLARE21 ,
FLARE22 , FLARE23 , FLARE24 ,

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

** CONC OF 13BUTADI IN MICROGRAMS/M**3 **

Y-COORD | X-COORD (METERS)
(METERS) | 407898.86

3765862.8 | 0.00001 (12081020)
3765765.7 | 0.00001 (10110817)
3765668.5 | 0.00001 (10110817)
3765571.4 | 0.00002 (10110817)
3765474.3 | 0.00002 (10110817)
3765377.1 | 0.00002 (10110817)
3765280.0 | 0.00002 (10110817)
3765182.8 | 0.00002 (10110817)
3765085.7 | 0.00002 (11030722)
3764988.6 | 0.00002 (11030722)
3764891.4 | 0.00002 (11030722)
3764794.3 | 0.00002 (12121821)
3764697.1 | 0.00002 (08052119)
3764600.0 | 0.00002 (08052119)
3764502.9 | 0.00002 (08052119)
3764405.7 | 0.00002 (11030721)
3764308.6 | 0.00002 (11030721)
3764211.4 | 0.00001 (11030721)
3764114.3 | 0.00002 (09102721)
3764017.2 | 0.00002 (09102721)
3763920.0 | 0.00002 (09102721)

*** AERMOD - VERSION 15181 *** *** C:\Lakes\AERMOD View\6351 Puente Hills Landfill Park\6351 Puente Hil *** 04/18/16
 *** AERMET - VERSION 14134 *** *** 1,3-butadiene *** 09:02:25
 **MODELOPTs: RegDFAULT CONC ELEV URBAN PAGE 24

*** THE 1ST HIGHEST 1-HR AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: ALL ***
 INCLUDING SOURCE(S): FLARE1 , FLARE2 , FLARE3 , FLARE4 , FLARE5 ,
 FLARE6 , FLARE7 , FLARE8 , FLARE9 , FLARE10 , FLARE11 , FLARE12 , FLARE13 ,
 FLARE14 , FLARE15 , FLARE16 , FLARE17 , FLARE18 , FLARE19 , FLARE20 , FLARE21 ,
 FLARE22 , FLARE23 , FLARE24 ,

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

** CONC OF 13BUTADI IN MICROGRAMS/M**3

**

X-COORD (M)	Y-COORD (M)	CONC	(YYMMDDHH)	X-COORD (M)	Y-COORD (M)	CONC	(YYMMDDHH)
405475.87	3765283.33	0.00029	(10012115)	405487.28	3765227.63	0.00021	(12080612)
405496.83	3765177.10	0.00030	(10102809)	405361.06	3765124.16	0.00029	(08010701)
405556.64	3765179.21	0.00025	(12071216)	405516.99	3765024.87	0.00016	(08031008)
405795.26	3765005.20	0.00012	(09102718)	406083.86	3765241.01	0.00006	(10122923)
406158.41	3764974.02	0.00007	(11030721)	405659.63	3764787.39	0.00011	(10110404)
405927.52	3765602.51	0.00008	(12090919)				

*** AERMOD - VERSION 15181 *** *** C:\Lakes\AERMOD View\6351 Puente Hills Landfill Park\6351 Puente Hil *** 04/18/16
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**MODELOPTs: RegDFAULT CONC ELEV URBAN

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

** CONC OF 13BUTADI IN MICROGRAMS/M**3 **

GROUP ID		AVERAGE CONC	RECEPTOR (XR, YR, ZELEV, ZHILL, ZFLAG)	OF TYPE	NETWORK GRID-ID
ALL	1ST HIGHEST VALUE IS	0.00002 AT (	405512.81, 3765377.13, 138.00, 308.00, 0.00)	GC	UCART1
	2ND HIGHEST VALUE IS	0.00001 AT (	405475.87, 3765283.33, 178.49, 306.00, 0.00)	DC	
	3RD HIGHEST VALUE IS	0.00001 AT (	405512.81, 3765474.27, 122.70, 311.00, 0.00)	GC	UCART1
	4TH HIGHEST VALUE IS	0.00001 AT (	405353.74, 3765377.13, 180.70, 305.00, 0.00)	GC	UCART1
	5TH HIGHEST VALUE IS	0.00001 AT (	405512.81, 3765279.99, 174.60, 306.00, 0.00)	GC	UCART1
	6TH HIGHEST VALUE IS	0.00001 AT (	405353.74, 3765474.27, 163.10, 306.00, 0.00)	GC	UCART1
	7TH HIGHEST VALUE IS	0.00001 AT (	405512.81, 3765571.41, 117.00, 311.00, 0.00)	GC	UCART1
	8TH HIGHEST VALUE IS	0.00001 AT (	405353.74, 3765182.85, 181.90, 306.00, 0.00)	GC	UCART1
	9TH HIGHEST VALUE IS	0.00001 AT (	405353.74, 3765279.99, 181.00, 305.00, 0.00)	GC	UCART1
	10TH HIGHEST VALUE IS	0.00001 AT (	405671.88, 3765474.27, 125.40, 311.00, 0.00)	GC	UCART1

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

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**MODELOPTs: RegDFAULT CONC ELEV URBAN

*** THE SUMMARY OF HIGHEST 1-HR RESULTS ***

** CONC OF 13BUTADI IN MICROGRAMS/M**3 **

GROUP ID		AVERAGE CONC	DATE (YYMMDDHH)	RECEPTOR (XR, YR, ZELEV, ZHILL, ZFLAG)	OF TYPE	NETWORK GRID-ID
ALL	HIGH	1ST HIGH VALUE IS	0.00059	ON 08010424: AT (405353.74, 3765377.13, 180.70, 305.00, 0.00)	GC	UCART1

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

*** AERMOD - VERSION 15181 *** *** C:\Lakes\AERMOD View\6351 Puente Hills Landfill Park\6351 Puente Hil ***
*** AERMET - VERSION 14134 *** *** 1,3-butadiene ***

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**MODELOPTs: RegDFAULT CONC ELEV URBAN

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

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

A Total of 0 Fatal Error Message(s)

A Total of 0 Warning Message(s)

A Total of 1222 Informational Message(s)

A Total of 43848 Hours Were Processed

A Total of 13 Calm Hours Identified

A Total of 1209 Missing Hours Identified (2.76 Percent)

***** FATAL ERROR MESSAGES *****

*** NONE ***

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

*** NONE ***

*** AERMOD Finishes Successfully ***

```

** Lakes Environmental AERMOD MPI
**
*****
**
** AERMOD Input Produced by:
** AERMOD View Ver. 9.1.0
** Lakes Environmental Software Inc.
** Date: 4/20/2016
** File: C:\Lakes\AERMOD View\Puente Hills LFP Ammonia\Puente Hills LFP Ammonia.ADI
**
*****
**
**
*****
** AERMOD Control Pathway
*****
**
**
CO STARTING
  TITLEONE C:\Lakes\AERMOD View\6351 Puente Hills Landfill Park\6351 Puente Hil
  TITLETWO Ammonia
  MODELOPT DFAULT CONC
  AVERTIME 1 ANNUAL
  URBANOPT 9862049 Los_Angeles_County
  POLLUTID AMMONIA
  RUNORNOT RUN
  ERRORFIL "Puente Hills LFP Ammonia.err"
CO FINISHED
**
*****
** AERMOD Source Pathway
*****
**
**
SO STARTING
** Source Location **
** Source ID - Type - X Coord. - Y Coord. **
  LOCATION FLARE1      POINT      405412.404  3765266.480    181.580
** DESCRSRC Flares (24 total)
  LOCATION FLARE2      POINT      405417.595  3765268.614    181.640
** DESCRSRC Flares (24 total)
  LOCATION FLARE3      POINT      405415.440  3765263.023    181.620
** DESCRSRC Flares (24 total)
  LOCATION FLARE4      POINT      405420.770  3765264.143    181.690
** DESCRSRC Flares (24 total)
  LOCATION FLARE5      POINT      405417.256  3765258.874    181.640
** DESCRSRC Flares (24 total)
  LOCATION FLARE6      POINT      405423.409  3765260.689    181.720
** DESCRSRC Flares (24 total)
  LOCATION FLARE7      POINT      405418.220  3765254.700    181.650
** DESCRSRC Flares (24 total)

```

LOCATION	FLARE8	POINT	405426.799	3765256.850	181.770
**	DESCRSRC	Flares (24 total)			
LOCATION	FLARE9	POINT	405420.223	3765250.883	181.680
**	DESCRSRC	Flares (24 total)			
LOCATION	FLARE10	POINT	405429.052	3765252.454	181.800
**	DESCRSRC	Flares (24 total)			
LOCATION	FLARE11	POINT	405423.375	3765246.684	181.720
**	DESCRSRC	Flares (24 total)			
LOCATION	FLARE12	POINT	405431.589	3765249.405	181.830
**	DESCRSRC	Flares (24 total)			
LOCATION	FLARE13	POINT	405427.483	3765241.984	181.780
**	DESCRSRC	Flares (24 total)			
LOCATION	FLARE14	POINT	405433.797	3765244.836	181.860
**	DESCRSRC	Flares (24 total)			
LOCATION	FLARE15	POINT	405430.394	3765236.806	181.820
**	DESCRSRC	Flares (24 total)			
LOCATION	FLARE16	POINT	405436.611	3765241.272	181.900
**	DESCRSRC	Flares (24 total)			
LOCATION	FLARE17	POINT	405433.570	3765232.416	181.860
**	DESCRSRC	Flares (24 total)			
LOCATION	FLARE18	POINT	405439.798	3765236.907	181.940
**	DESCRSRC	Flares (24 total)			
LOCATION	FLARE19	POINT	405436.746	3765227.834	181.900
**	DESCRSRC	Flares (24 total)			
LOCATION	FLARE20	POINT	405442.425	3765233.337	181.970
**	DESCRSRC	Flares (24 total)			
LOCATION	FLARE21	POINT	405440.173	3765223.711	181.940
**	DESCRSRC	Flares (24 total)			
LOCATION	FLARE22	POINT	405445.453	3765228.464	181.980
**	DESCRSRC	Flares (24 total)			
LOCATION	FLARE23	POINT	405442.883	3765219.270	181.980
**	DESCRSRC	Flares (24 total)			
LOCATION	FLARE24	POINT	405449.335	3765223.937	181.930
**	DESCRSRC	Flares (24 total)			
**	Source Parameters	**			
SRCPARAM	FLARE1	2.5111E-06	10.226	1088.706	4.245 2.530
SRCPARAM	FLARE2	2.5111E-06	10.226	1088.706	4.245 2.530
SRCPARAM	FLARE3	2.5111E-06	10.226	1088.706	4.245 2.530
SRCPARAM	FLARE4	2.5111E-06	10.226	1088.706	4.245 2.530
SRCPARAM	FLARE5	2.5111E-06	10.226	1088.706	4.245 2.530
SRCPARAM	FLARE6	2.5111E-06	10.226	1088.706	4.245 2.530
SRCPARAM	FLARE7	2.5111E-06	10.226	1088.706	4.245 2.530
SRCPARAM	FLARE8	2.5111E-06	10.226	1088.706	4.245 2.530
SRCPARAM	FLARE9	2.5111E-06	10.226	1088.706	4.245 2.530
SRCPARAM	FLARE10	2.5111E-06	10.226	1088.706	4.245 2.530
SRCPARAM	FLARE11	2.5111E-06	10.226	1088.706	4.245 2.530
SRCPARAM	FLARE12	2.5111E-06	10.226	1088.706	4.245 2.530
SRCPARAM	FLARE13	2.5111E-06	10.226	1088.706	4.245 2.530
SRCPARAM	FLARE14	2.5111E-06	10.226	1088.706	4.245 2.530
SRCPARAM	FLARE15	2.5111E-06	10.226	1088.706	4.245 2.530
SRCPARAM	FLARE16	2.5111E-06	10.226	1088.706	4.245 2.530

SRCPARAM	FLARE17	2.5111E-06	10.226	1088.706	4.245	2.530
SRCPARAM	FLARE18	2.5111E-06	10.226	1088.706	4.245	2.530
SRCPARAM	FLARE19	2.5111E-06	10.226	1088.706	4.245	2.530
SRCPARAM	FLARE20	2.5111E-06	10.226	1088.706	4.245	2.530
SRCPARAM	FLARE21	2.5111E-06	10.226	1088.706	4.245	2.530
SRCPARAM	FLARE22	2.5111E-06	10.226	1088.706	4.245	2.530
SRCPARAM	FLARE23	2.5111E-06	10.226	1088.706	4.245	2.530
SRCPARAM	FLARE24	2.5111E-06	10.226	1088.706	4.245	2.530
URBANSRC	ALL					
SRCGROUP	ALL					

SO FINISHED

**

** AERMOD Receptor Pathway

**

**

RE STARTING

INCLUDED "Puente Hills LFP Ammonia.rou"

RE FINISHED

**

** AERMOD Meteorology Pathway

**

**

ME STARTING

SURFFILE "C:\Users\Kate Wilson\Desktop\Met data\pico8.sfc"

PROFFILE "C:\Users\Kate Wilson\Desktop\Met data\pico8.PFL"

SURFDATA 0 2008

UAIRDATA 3190 2008

SITEDATA 99999 2008

PROFBASE 58.0 METERS

ME FINISHED

**

** AERMOD Output Pathway

**

**

OU STARTING

RECTABLE ALLAVE 1ST

RECTABLE 1 1ST

** Auto-Generated Plotfiles

PLOTFILE 1 ALL 1ST "PUENTE HILLS LFP AMMONIA.AD\01H1GALL.PLT" 31

PLOTFILE ANNUAL ALL "PUENTE HILLS LFP AMMONIA.AD\AN00GALL.PLT" 32

SUMMFILE "Puente Hills LFP Ammonia.sum"

OU FINISHED

*** SETUP Finishes Successfully ***

*** AERMOD - VERSION 15181 *** *** C:\Lakes\AERMOD View\6351 Puente Hills Landfill Park\6351 Puente Hil *** 04/20/16
*** AERMET - VERSION 14134 *** *** Ammonia *** 11:43:21
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**MODELOPTs: RegDEFAULT CONC ELEV URBAN

*** MODEL SETUP OPTIONS SUMMARY ***

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

-- DEPOSITION LOGIC --

**NO GAS DEPOSITION Data Provided.

**NO PARTICLE DEPOSITION Data Provided.

**Model Uses NO DRY DEPLETION. DRYDPLT = F

**Model Uses NO WET DEPLETION. WETDPLT = F

**Model Uses URBAN Dispersion Algorithm for the SBL for 24 Source(s),
for Total of 1 Urban Area(s):
Urban Population = 9862049.0 ; Urban Roughness Length = 1.000 m

**Model Uses Regulatory DEFAULT Options:

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

**Other Options Specified:

TEMP_Sub - Meteorological data includes TEMP substitutions

**Model Assumes No FLAGPOLE Receptor Heights.

**The User Specified a Pollutant Type of: AMMONIA

**Model Calculates 1 Short Term Average(s) of: 1-HR
and Calculates ANNUAL Averages

**This Run Includes: 24 Source(s); 1 Source Group(s); and 452 Receptor(s)

with: 24 POINT(s), including
 0 POINTCAP(s) and 0 POINTHOR(s)
and: 0 VOLUME source(s)
and: 0 AREA type source(s)
and: 0 LINE source(s)
and: 0 OPENPIT source(s)

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

**The AERMET Input Meteorological Data Version Date: 14134

**Output Options Selected:

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

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

**Misc. Inputs: Base Elev. for Pot. Temp. Profile (m MSL) = 58.00 ; 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: Puente Hills LFP Ammonia.err

**File for Summary of Results: Puente Hills LFP Ammonia.sum

*** AERMOD - VERSION 15181 *** *** C:\Lakes\AERMOD View\6351 Puente Hills Landfill Park\6351 Puente Hil *** 04/20/16
*** AERMET - VERSION 14134 *** *** Ammonia *** 11:43:21
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**MODELOPTs: RegDEFAULT CONC ELEV URBAN

*** POINT SOURCE DATA ***

SOURCE ID	NUMBER PART. CATS.	EMISSION RATE (GRAMS/SEC)	X (METERS)	Y (METERS)	BASE ELEV. (METERS)	STACK HEIGHT (METERS)	STACK TEMP. (DEG.K)	STACK EXIT VEL. (M/SEC)	STACK DIAMETER (METERS)	BLDG EXISTS	URBAN SOURCE	CAP/ HOR	EMIS RATE SCALAR VARY BY
FLARE1	0	0.25111E-05	405412.4	3765266.5	181.6	10.23	1088.71	4.25	2.53	NO	YES	NO	
FLARE2	0	0.25111E-05	405417.6	3765268.6	181.6	10.23	1088.71	4.25	2.53	NO	YES	NO	
FLARE3	0	0.25111E-05	405415.4	3765263.0	181.6	10.23	1088.71	4.25	2.53	NO	YES	NO	
FLARE4	0	0.25111E-05	405420.8	3765264.1	181.7	10.23	1088.71	4.25	2.53	NO	YES	NO	
FLARE5	0	0.25111E-05	405417.3	3765258.9	181.6	10.23	1088.71	4.25	2.53	NO	YES	NO	
FLARE6	0	0.25111E-05	405423.4	3765260.7	181.7	10.23	1088.71	4.25	2.53	NO	YES	NO	
FLARE7	0	0.25111E-05	405418.2	3765254.7	181.7	10.23	1088.71	4.25	2.53	NO	YES	NO	
FLARE8	0	0.25111E-05	405426.8	3765256.8	181.8	10.23	1088.71	4.25	2.53	NO	YES	NO	
FLARE9	0	0.25111E-05	405420.2	3765250.9	181.7	10.23	1088.71	4.25	2.53	NO	YES	NO	
FLARE10	0	0.25111E-05	405429.1	3765252.5	181.8	10.23	1088.71	4.25	2.53	NO	YES	NO	
FLARE11	0	0.25111E-05	405423.4	3765246.7	181.7	10.23	1088.71	4.25	2.53	NO	YES	NO	
FLARE12	0	0.25111E-05	405431.6	3765249.4	181.8	10.23	1088.71	4.25	2.53	NO	YES	NO	
FLARE13	0	0.25111E-05	405427.5	3765242.0	181.8	10.23	1088.71	4.25	2.53	NO	YES	NO	
FLARE14	0	0.25111E-05	405433.8	3765244.8	181.9	10.23	1088.71	4.25	2.53	NO	YES	NO	
FLARE15	0	0.25111E-05	405430.4	3765236.8	181.8	10.23	1088.71	4.25	2.53	NO	YES	NO	

FLARE16	0	0.25111E-05	405436.6	3765241.3	181.9	10.23	1088.71	4.25	2.53	NO	YES	NO
FLARE17	0	0.25111E-05	405433.6	3765232.4	181.9	10.23	1088.71	4.25	2.53	NO	YES	NO
FLARE18	0	0.25111E-05	405439.8	3765236.9	181.9	10.23	1088.71	4.25	2.53	NO	YES	NO
FLARE19	0	0.25111E-05	405436.7	3765227.8	181.9	10.23	1088.71	4.25	2.53	NO	YES	NO
FLARE20	0	0.25111E-05	405442.4	3765233.3	182.0	10.23	1088.71	4.25	2.53	NO	YES	NO
FLARE21	0	0.25111E-05	405440.2	3765223.7	181.9	10.23	1088.71	4.25	2.53	NO	YES	NO
FLARE22	0	0.25111E-05	405445.5	3765228.5	182.0	10.23	1088.71	4.25	2.53	NO	YES	NO
FLARE23	0	0.25111E-05	405442.9	3765219.3	182.0	10.23	1088.71	4.25	2.53	NO	YES	NO
FLARE24	0	0.25111E-05	405449.3	3765223.9	181.9	10.23	1088.71	4.25	2.53	NO	YES	NO

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**MODELOPTs:  RegDFAULT CONC      ELEV      URBAN

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*** SOURCE IDs DEFINING SOURCE GROUPS ***

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SRCGROUP ID      SOURCE IDs
-----
ALL      FLARE1      , FLARE2      , FLARE3      , FLARE4      , FLARE5      , FLARE6      , FLARE7      , FLARE8      ,
          FLARE9      , FLARE10     , FLARE11     , FLARE12     , FLARE13     , FLARE14     , FLARE15     , FLARE16     ,
          FLARE17     , FLARE18     , FLARE19     , FLARE20     , FLARE21     , FLARE22     , FLARE23     , FLARE24     ,

*** AERMOD - VERSION 15181 ***   *** C:\Lakes\AERMOD View\6351 Puente Hills Landfill Park\6351 Puente Hil ***   04/20/16
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**MODELOPTs:  RegDFAULT CONC      ELEV      URBAN

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

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URBAN ID  URBAN POP      SOURCE IDs
-----
FLARE8    9862049.  FLARE1      , FLARE2      , FLARE3      , FLARE4      , FLARE5      , FLARE6      , FLARE7      ,
          ,
          FLARE9      , FLARE10     , FLARE11     , FLARE12     , FLARE13     , FLARE14     , FLARE15     , FLARE16     ,
          FLARE17     , FLARE18     , FLARE19     , FLARE20     , FLARE21     , FLARE22     , FLARE23     , FLARE24     ,

*** AERMOD - VERSION 15181 ***   *** C:\Lakes\AERMOD View\6351 Puente Hills Landfill Park\6351 Puente Hil ***   04/20/16
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**MODELOPTs:  RegDFAULT CONC      ELEV      URBAN

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*** GRIDDED RECEPTOR NETWORK SUMMARY ***

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

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

404717.5, 404876.5, 405035.6, 405194.7, 405353.7, 405512.8, 405671.9, 405831.0, 405990.0, 406149.1,
406308.2, 406467.2, 406626.3, 406785.4, 406944.4, 407103.5, 407262.6, 407421.7, 407580.7, 407739.8,
407898.9,

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

3763920.0, 3764017.2, 3764114.3, 3764211.4, 3764308.6, 3764405.7, 3764502.9, 3764600.0, 3764697.1, 3764794.3,
3764891.4, 3764988.6, 3765085.7, 3765182.8, 3765280.0, 3765377.1, 3765474.3, 3765571.4, 3765668.5, 3765765.7,
3765862.8,

*** AERMOD - VERSION 15181 *** *** C:\Lakes\AERMOD View\6351 Puente Hills Landfill Park\6351 Puente Hil *** 04/20/16
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**MODELOPTs: RegDFAULT CONC ELEV URBAN

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

* ELEVATION HEIGHTS IN METERS *

Y-COORD (METERS)	X-COORD (METERS)								
	404717.46	404876.53	405035.60	405194.67	405353.74	405512.81	405671.88	405830.95	405990.02
3765862.83	85.20	86.70	88.10	89.80	90.80	91.00	95.30	97.70	97.60
3765765.69	88.00	89.30	91.00	94.80	98.90	99.40	104.00	109.00	109.90
3765668.55	92.90	93.50	102.50	106.30	109.10	108.80	113.00	121.00	120.80
3765571.41	101.00	106.10	116.80	124.20	124.70	117.00	117.30	124.50	121.10
3765474.27	109.40	115.90	132.00	161.80	163.10	122.70	125.40	130.20	121.80
3765377.13	115.60	122.00	145.70	178.70	180.70	138.00	152.10	139.20	121.20
3765279.99	119.10	127.70	157.90	180.20	181.00	174.60	174.50	156.40	131.80
3765182.85	121.50	136.60	167.70	180.50	181.90	182.10	182.00	174.90	168.00
3765085.71	125.30	146.90	177.00	181.90	185.70	191.60	182.00	182.00	184.20
3764988.57	124.50	139.80	172.30	181.90	194.40	221.20	192.20	190.60	201.00
3764891.43	121.60	127.80	162.80	181.70	210.40	242.30	223.60	216.80	231.60
3764794.29	121.80	132.20	165.00	192.00	229.20	245.50	246.70	242.80	245.30
3764697.15	124.00	142.10	174.70	207.10	240.70	250.90	260.70	268.50	279.10
3764600.01	125.70	140.80	179.10	204.50	233.90	258.20	281.20	295.40	302.00
3764502.87	122.10	125.00	177.00	187.00	218.30	262.80	299.20	303.40	302.80
3764405.73	121.00	144.60	179.30	181.90	211.60	263.90	304.00	303.80	303.90
3764308.59	146.30	164.20	181.70	182.00	220.20	264.90	304.00	303.50	297.60
3764211.45	174.40	180.90	182.00	182.00	229.50	265.30	293.20	290.50	276.00
3764114.31	171.50	170.00	180.40	182.00	228.70	262.60	281.20	272.60	252.30

3764017.17	121.00	151.40	179.00	181.90	232.40	255.60	268.20	257.90	243.50
3763920.03	123.00	148.90	183.50	197.80	241.00	247.10	253.90	250.20	243.70

*** AERMOD - VERSION 15181 *** *** C:\Lakes\AERMOD View\6351 Puente Hills Landfill Park\6351 Puente Hil *** 04/20/16
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**MODELOPTs: RegDEFAULT CONC ELEV URBAN

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

* ELEVATION HEIGHTS IN METERS *

Y-COORD (METERS)	406149.09	406308.16	406467.23	406626.30	406785.37	406944.44	407103.51	407262.58	407421.65
3765862.83	91.80	88.90	87.90	93.00	98.60	102.20	99.00	97.50	94.70
3765765.69	101.30	95.70	95.00	99.00	108.40	112.80	108.00	105.20	105.70
3765668.55	111.90	109.30	110.60	113.00	126.00	147.00	130.70	131.70	135.30
3765571.41	118.80	121.20	120.30	117.90	133.60	177.80	156.80	158.40	161.60
3765474.27	126.50	144.40	151.70	127.90	164.20	183.80	183.70	183.30	185.80
3765377.13	138.10	167.60	180.80	156.00	177.30	192.30	195.70	197.70	200.80
3765279.99	161.50	182.70	185.20	172.90	188.80	199.00	201.20	209.50	212.90
3765182.85	191.40	193.30	190.10	192.50	202.60	219.30	231.20	250.40	236.10
3765085.71	229.10	207.40	194.10	206.00	216.30	231.40	250.90	256.80	244.90
3764988.57	243.20	225.30	214.60	225.80	226.50	226.20	227.40	232.10	232.10
3764891.43	255.60	246.70	243.80	247.20	236.80	225.50	210.80	214.80	226.80
3764794.29	277.90	279.40	280.10	270.10	251.20	238.70	215.80	203.70	239.10
3764697.15	297.40	300.80	302.60	288.20	261.50	248.70	223.20	195.80	225.90
3764600.01	303.50	304.00	305.10	297.60	265.00	247.90	222.20	190.60	198.40
3764502.87	303.90	303.50	303.50	298.20	262.00	240.50	208.40	185.40	184.50
3764405.73	303.80	302.50	301.00	295.80	257.30	233.20	207.70	179.10	177.00
3764308.59	293.60	300.30	299.40	296.50	262.00	233.10	223.50	184.50	173.70
3764211.45	277.00	295.40	303.20	302.20	278.10	241.70	237.60	209.30	190.90
3764114.31	258.70	290.30	306.90	307.60	289.30	250.60	252.50	235.30	211.20
3764017.17	244.30	289.20	303.10	304.30	294.80	262.20	253.10	244.20	212.60
3763920.03	251.70	287.60	300.70	299.50	297.00	274.70	257.00	234.70	215.20

*** AERMOD - VERSION 15181 *** *** C:\Lakes\AERMOD View\6351 Puente Hills Landfill Park\6351 Puente Hil *** 04/20/16
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**MODELOPTs: RegDEFAULT CONC ELEV URBAN

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

* ELEVATION HEIGHTS IN METERS *

Y-COORD (METERS)	407580.72	407739.79	407898.86

3765862.83	87.60	83.40	78.20
3765765.69	102.50	97.50	91.70
3765668.55	116.90	112.80	103.10
3765571.41	129.10	121.80	114.90
3765474.27	156.60	146.00	138.50
3765377.13	182.60	174.00	173.40
3765279.99	203.70	197.40	195.90
3765182.85	227.90	226.10	206.00
3765085.71	234.50	231.90	205.50
3764988.57	220.40	210.80	196.60
3764891.43	226.00	212.30	186.50
3764794.29	249.90	238.50	206.80
3764697.15	259.40	252.50	223.70
3764600.01	245.40	248.40	223.70
3764502.87	221.90	229.20	208.80
3764405.73	188.10	194.70	185.80
3764308.59	164.80	160.90	153.60
3764211.45	177.30	166.10	141.70
3764114.31	196.00	186.80	150.60
3764017.17	188.40	181.90	150.80
3763920.03	176.00	164.80	150.40

*** AERMOD - VERSION 15181 ***
 *** AERMET - VERSION 14134 ***

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 *** Ammonia ***

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**MODELOPTs: RegDFAULT CONC ELEV URBAN

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

* HILL HEIGHT SCALES IN METERS *

Y-COORD (METERS)	404717.46	404876.53	405035.60	405194.67	405353.74	405512.81	405671.88	405830.95	405990.02
3765862.83	306.00	306.00	306.00	307.00	308.00	311.00	311.00	311.00	311.00
3765765.69	306.00	306.00	306.00	308.00	308.00	311.00	311.00	311.00	311.00
3765668.55	306.00	306.00	306.00	307.00	308.00	311.00	311.00	311.00	311.00
3765571.41	306.00	306.00	306.00	306.00	306.00	311.00	311.00	311.00	311.00
3765474.27	306.00	306.00	306.00	305.00	306.00	311.00	311.00	311.00	311.00
3765377.13	306.00	306.00	306.00	304.00	305.00	308.00	308.00	311.00	311.00
3765279.99	306.00	306.00	305.00	304.00	305.00	306.00	306.00	311.00	311.00
3765182.85	306.00	306.00	305.00	305.00	306.00	306.00	306.00	308.00	311.00
3765085.71	306.00	305.00	304.00	305.00	306.00	306.00	307.00	308.00	311.00
3764988.57	306.00	306.00	305.00	305.00	305.00	304.00	306.00	308.00	308.00
3764891.43	306.00	307.00	306.00	305.00	304.00	304.00	306.00	306.00	306.00
3764794.29	306.00	307.00	305.00	305.00	304.00	304.00	304.00	306.00	306.00
3764697.15	307.00	306.00	305.00	304.00	304.00	304.00	304.00	304.00	304.00
3764600.01	307.00	307.00	305.00	304.00	304.00	304.00	304.00	304.00	302.00
3764502.87	308.00	354.00	305.00	305.00	304.00	304.00	304.00	303.40	302.80
3764405.73	349.00	307.00	304.00	305.00	304.00	304.00	304.00	303.80	303.90

3764308.59		304.00	304.00	304.00	305.00	304.00	304.00	304.00	303.50	297.60
3764211.45		304.00	304.00	304.00	307.00	304.00	304.00	304.00	304.00	304.00
3764114.31		304.00	304.00	304.00	307.00	304.00	304.00	304.00	304.00	308.00
3764017.17		354.00	354.00	304.00	354.00	304.00	304.00	304.00	304.00	308.00
3763920.03		354.00	354.00	304.00	304.00	304.00	304.00	304.00	304.00	308.00

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**MODELOPTs: RegDFAULT CONC ELEV URBAN

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

* HILL HEIGHT SCALES IN METERS *

Y-COORD (METERS)		406149.09	406308.16	406467.23	406626.30	406785.37	406944.44	407103.51	407262.58	407421.65
3765862.83		311.00	311.00	311.00	311.00	311.00	311.00	311.00	311.00	311.00
3765765.69		311.00	311.00	311.00	311.00	311.00	311.00	311.00	311.00	311.00
3765668.55		311.00	311.00	311.00	311.00	311.00	311.00	311.00	311.00	311.00
3765571.41		311.00	311.00	311.00	311.00	311.00	306.00	311.00	306.00	306.00
3765474.27		311.00	311.00	311.00	311.00	311.00	306.00	306.00	306.00	267.00
3765377.13		311.00	311.00	306.00	311.00	311.00	306.00	306.00	306.00	267.00
3765279.99		311.00	311.00	311.00	311.00	311.00	306.00	306.00	302.00	263.00
3765182.85		308.00	311.00	311.00	311.00	306.00	306.00	263.00	263.00	263.00
3765085.71		306.00	306.00	311.00	311.00	306.00	306.00	259.00	263.00	263.00
3764988.57		306.00	306.00	311.00	306.00	306.00	306.00	306.00	263.00	267.00
3764891.43		306.00	306.00	306.00	306.00	306.00	311.00	311.00	311.00	267.00
3764794.29		305.00	306.00	306.00	306.00	306.00	306.00	311.00	311.00	267.00
3764697.15		303.00	300.80	302.60	306.00	306.00	306.00	311.00	311.00	267.00
3764600.01		303.50	304.00	305.10	306.00	306.00	311.00	311.00	311.00	311.00
3764502.87		303.90	303.50	303.50	306.00	311.00	311.00	311.00	311.00	311.00
3764405.73		303.80	302.50	301.00	304.00	311.00	311.00	311.00	354.00	354.00
3764308.59		304.00	300.30	299.40	296.50	311.00	311.00	311.00	354.00	354.00
3764211.45		304.00	295.40	303.20	302.20	311.00	311.00	311.00	345.00	354.00
3764114.31		308.00	307.00	306.90	307.60	311.00	311.00	311.00	311.00	345.00
3764017.17		311.00	307.00	303.10	304.30	311.00	311.00	311.00	311.00	354.00
3763920.03		309.00	304.00	300.70	299.50	297.00	311.00	311.00	345.00	354.00

*** AERMOD - VERSION 15181 *** *** C:\Lakes\AERMOD View\6351 Puente Hills Landfill Park\6351 Puente Hil *** 04/20/16
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**MODELOPTs: RegDFAULT CONC ELEV URBAN

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

* HILL HEIGHT SCALES IN METERS *

Y-COORD		X-COORD (METERS)

(METERS)	407580.72	407739.79	407898.86
3765862.83	311.00	311.00	311.00
3765765.69	311.00	311.00	311.00
3765668.55	311.00	311.00	311.00
3765571.41	311.00	311.00	311.00
3765474.27	306.00	306.00	306.00
3765377.13	267.00	267.00	267.00
3765279.99	267.00	267.00	267.00
3765182.85	263.00	240.00	267.00
3765085.71	238.00	240.00	267.00
3764988.57	267.00	267.00	267.00
3764891.43	267.00	267.00	267.00
3764794.29	267.00	267.00	267.00
3764697.15	267.00	265.00	267.00
3764600.01	267.00	265.00	267.00
3764502.87	267.00	267.00	267.00
3764405.73	345.00	311.00	343.00
3764308.59	354.00	354.00	354.00
3764211.45	354.00	354.00	354.00
3764114.31	352.00	352.00	354.00
3764017.17	354.00	354.00	354.00
3763920.03	354.00	354.00	354.00

*** AERMOD - VERSION 15181 *** *** C:\Lakes\AERMOD View\6351 Puente Hills Landfill Park\6351 Puente Hil *** 04/20/16
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**MODELOPTs: RegDEFAULT CONC ELEV URBAN

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

(405475.9, 3765283.3,	178.5,	306.0,	0.0);	(405487.3, 3765227.6,	181.1,	306.0,	0.0);
(405496.8, 3765177.1,	182.5,	306.0,	0.0);	(405361.1, 3765124.2,	183.8,	306.0,	0.0);
(405556.6, 3765179.2,	182.0,	306.0,	0.0);	(405517.0, 3765024.9,	207.2,	305.0,	0.0);
(405795.3, 3765005.2,	188.0,	308.0,	0.0);	(406083.9, 3765241.0,	155.0,	311.0,	0.0);
(406158.4, 3764974.0,	244.3,	306.0,	0.0);	(405659.6, 3764787.4,	247.3,	304.0,	0.0);
(405927.5, 3765602.5,	122.2,	311.0,	0.0);				

*** AERMOD - VERSION 15181 *** *** C:\Lakes\AERMOD View\6351 Puente Hills Landfill Park\6351 Puente Hil *** 04/20/16
 *** AERMET - VERSION 14134 *** *** Ammonia *** 11:43:21
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**MODELOPTs: RegDEFAULT CONC ELEV URBAN

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

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

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

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
08	01	01	1	01	-999.0	-9.000	-9.000	-9.000	-999.	-999.	-99999.0	0.34	1.00	1.00	999.00	999.	-9.0	285.4	5.5			
08	01	01	1	02	-999.0	-9.000	-9.000	-9.000	-999.	-999.	-99999.0	0.34	1.00	1.00	999.00	999.	-9.0	284.2	5.5			
08	01	01	1	03	-999.0	-9.000	-9.000	-9.000	-999.	-999.	-99999.0	0.34	1.00	1.00	999.00	999.	-9.0	283.8	5.5			
08	01	01	1	04	-999.0	-9.000	-9.000	-9.000	-999.	-999.	-99999.0	0.34	1.00	1.00	999.00	999.	-9.0	284.2	5.5			
08	01	01	1	05	-999.0	-9.000	-9.000	-9.000	-999.	-999.	-99999.0	0.34	1.00	1.00	999.00	999.	-9.0	284.9	5.5			
08	01	01	1	06	-999.0	-9.000	-9.000	-9.000	-999.	-999.	-99999.0	0.34	1.00	1.00	999.00	999.	-9.0	285.4	5.5			
08	01	01	1	07	-999.0	-9.000	-9.000	-9.000	-999.	-999.	-99999.0	0.34	1.00	1.00	999.00	999.	-9.0	285.9	5.5			
08	01	01	1	08	-999.0	-9.000	-9.000	-9.000	-999.	-999.	-99999.0	0.34	1.00	0.54	999.00	999.	-9.0	286.4	5.5			
08	01	01	1	09	28.6	-9.000	-9.000	-9.000	61.	-999.	-99999.0	0.34	1.00	0.32	999.00	999.	-9.0	287.0	5.5			
08	01	01	1	10	83.5	-9.000	-9.000	-9.000	164.	-999.	-99999.0	0.34	1.00	0.24	999.00	999.	-9.0	289.2	5.5			
08	01	01	1	11	131.2	-9.000	-9.000	-9.000	427.	-999.	-99999.0	0.34	1.00	0.21	999.00	999.	-9.0	292.5	5.5			
08	01	01	1	12	130.6	-9.000	-9.000	-9.000	620.	-999.	-99999.0	0.34	1.00	0.20	999.00	999.	-9.0	294.2	5.5			
08	01	01	1	13	112.1	-9.000	-9.000	-9.000	723.	-999.	-99999.0	0.34	1.00	0.20	999.00	999.	-9.0	294.9	5.5			
08	01	01	1	14	86.7	-9.000	-9.000	-9.000	762.	-999.	-99999.0	0.34	1.00	0.21	999.00	999.	-9.0	294.9	5.5			
08	01	01	1	15	37.3	-9.000	-9.000	-9.000	778.	-999.	-99999.0	0.34	1.00	0.25	999.00	999.	-9.0	294.2	5.5			
08	01	01	1	16	12.7	-9.000	-9.000	-9.000	783.	-999.	-99999.0	0.34	1.00	0.33	999.00	999.	-9.0	293.8	5.5			
08	01	01	1	17	-999.0	-9.000	-9.000	-9.000	-999.	-999.	-99999.0	0.34	1.00	0.60	999.00	999.	-9.0	292.5	5.5			

[illegible]

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**MODELOPTs:  RegDFAULT  CONC          ELEV          URBAN

```

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

[illegible]

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**MODELOPTs:  RegDFAULT CONC          ELEV          URBAN
```

*** THE ANNUAL AVERAGE CONCENTRATION VALUES AVERAGED OVER 5 YEARS FOR SOURCE GROUP: ALL ***
 INCLUDING SOURCE(S): FLARE1 , FLARE2 , FLARE3 , FLARE4 , FLARE5 ,
 FLARE6 , FLARE7 , FLARE8 , FLARE9 , FLARE10 , FLARE11 , FLARE12 , FLARE13 ,
 FLARE14 , FLARE15 , FLARE16 , FLARE17 , FLARE18 , FLARE19 , FLARE20 , FLARE21 ,
 FLARE22 , FLARE23 , FLARE24 ,

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

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

Y-COORD (METERS)	407580.72	407739.79	407898.86	X-COORD (METERS)
3765862.83	0.00000	0.00000	0.00000	
3765765.69	0.00000	0.00000	0.00000	
3765668.55	0.00000	0.00000	0.00000	
3765571.41	0.00000	0.00000	0.00000	
3765474.27	0.00000	0.00000	0.00000	
3765377.13	0.00000	0.00000	0.00000	
3765279.99	0.00000	0.00000	0.00000	
3765182.85	0.00000	0.00000	0.00000	
3765085.71	0.00000	0.00000	0.00000	
3764988.57	0.00000	0.00000	0.00000	
3764891.43	0.00000	0.00000	0.00000	
3764794.29	0.00000	0.00000	0.00000	
3764697.15	0.00000	0.00000	0.00000	
3764600.01	0.00000	0.00000	0.00000	
3764502.87	0.00000	0.00000	0.00000	
3764405.73	0.00000	0.00000	0.00000	
3764308.59	0.00000	0.00000	0.00000	
3764211.45	0.00000	0.00000	0.00000	
3764114.31	0.00000	0.00000	0.00000	
3764017.17	0.00000	0.00000	0.00000	
3763920.03	0.00000	0.00000	0.00000	

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 **MODELOPTs: RegDEFAULT CONC ELEV URBAN PAGE 18

*** THE ANNUAL AVERAGE CONCENTRATION VALUES AVERAGED OVER 5 YEARS FOR SOURCE GROUP: ALL ***
 INCLUDING SOURCE(S): FLARE1 , FLARE2 , FLARE3 , FLARE4 , FLARE5 ,
 FLARE6 , FLARE7 , FLARE8 , FLARE9 , FLARE10 , FLARE11 , FLARE12 , FLARE13 ,
 FLARE14 , FLARE15 , FLARE16 , FLARE17 , FLARE18 , FLARE19 , FLARE20 , FLARE21 ,
 FLARE22 , FLARE23 , FLARE24 ,

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

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

**

X-COORD (M)	Y-COORD (M)	CONC	X-COORD (M)	Y-COORD (M)	CONC
405475.87	3765283.33	0.00004	405487.28	3765227.63	0.00002
405496.83	3765177.10	0.00002	405361.06	3765124.16	0.00002
405556.64	3765179.21	0.00002	405516.99	3765024.87	0.00001
405795.26	3765005.20	0.00000	406083.86	3765241.01	0.00000
406158.41	3764974.02	0.00000	405659.63	3764787.39	0.00000
405927.52	3765602.51	0.00001			

*** AERMOD - VERSION 15181 *** *** C:\Lakes\AERMOD View\6351 Puente Hills Landfill Park\6351 Puente Hil *** 04/20/16
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**MODELOPTs: RegDEFAULT CONC ELEV URBAN

*** THE 1ST HIGHEST 1-HR AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: ALL ***
 INCLUDING SOURCE(S): FLARE1 , FLARE2 , FLARE3 , FLARE4 , FLARE5 ,
 FLARE6 , FLARE7 , FLARE8 , FLARE9 , FLARE10 , FLARE11 , FLARE12 , FLARE13 ,
 FLARE14 , FLARE15 , FLARE16 , FLARE17 , FLARE18 , FLARE19 , FLARE20 , FLARE21 ,
 FLARE22 , FLARE23 , FLARE24 ,

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

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

**

Y-COORD (METERS)	404717.46	404876.53	405035.60	405194.67	405353.74
3765862.8	0.00016 (08010421)	0.00018 (08010422)	0.00021 (08012705)	0.00024 (10122017)	0.00024 (08010501)
3765765.7	0.00016 (08010421)	0.00020 (08010421)	0.00024 (08010422)	0.00029 (10122017)	0.00031 (08010501)
3765668.5	0.00014 (08010421)	0.00022 (08010421)	0.00028 (08010422)	0.00033 (08010423)	0.00041 (08010501)
3765571.4	0.00014 (08012421)	0.00019 (08010421)	0.00031 (08010421)	0.00042 (08010422)	0.00055 (08010501)
3765474.3	0.00015 (12041104)	0.00015 (08012421)	0.00025 (08010421)	0.00049 (08010422)	0.00083 (08010424)
3765377.1	0.00017 (11032018)	0.00019 (11032018)	0.00021 (12042514)	0.00050 (10100512)	0.00169 (08010424)
3765280.0	0.00022 (11032018)	0.00028 (11032018)	0.00035 (11032018)	0.00057 (10102712)	0.00072 (08101709)
3765182.8	0.00021 (11032018)	0.00026 (11032018)	0.00033 (08022207)	0.00076 (11120103)	0.00129 (11120103)
3765085.7	0.00021 (08022207)	0.00027 (08022207)	0.00044 (11120103)	0.00088 (08012701)	0.00081 (08010701)
3764988.6	0.00020 (08022207)	0.00023 (08022207)	0.00040 (08012701)	0.00064 (08012620)	0.00037 (08010701)
3764891.4	0.00016 (08022207)	0.00021 (08012620)	0.00034 (08012620)	0.00055 (08010701)	0.00055 (09060302)
3764794.3	0.00016 (08012624)	0.00022 (08012624)	0.00028 (08112604)	0.00042 (08010701)	0.00038 (09060302)
3764697.1	0.00017 (08012624)	0.00020 (08012619)	0.00028 (08022206)	0.00026 (08010623)	0.00024 (10120518)
3764600.0	0.00016 (08012624)	0.00018 (08112604)	0.00026 (08022206)	0.00022 (09060302)	0.00025 (09060302)
3764502.9	0.00014 (08022323)	0.00016 (12030705)	0.00021 (08022206)	0.00022 (09060302)	0.00025 (09060302)
3764405.7	0.00013 (12030705)	0.00015 (08022206)	0.00018 (08010623)	0.00022 (09060302)	0.00022 (09060302)
3764308.6	0.00012 (12030705)	0.00015 (08010623)	0.00016 (08010623)	0.00020 (09060302)	0.00018 (09060302)
3764211.4	0.00014 (12030705)	0.00015 (08010623)	0.00014 (09060302)	0.00018 (09060302)	0.00015 (09060302)
3764114.3	0.00013 (08010623)	0.00012 (08010623)	0.00013 (09060302)	0.00017 (09060302)	0.00014 (09060302)

3764017.2		0.00009 (08010623)	0.00009 (08010623)	0.00013 (09060302)	0.00015 (09060302)	0.00012 (09060302)
3763920.0		0.00009 (08010623)	0.00008 (08010623)	0.00013 (09060302)	0.00015 (09060302)	0.00010 (09060302)

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**MODELOPTs: RegDEFAULT CONC ELEV URBAN

*** THE 1ST HIGHEST 1-HR AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: ALL ***
INCLUDING SOURCE(S): FLARE1 , FLARE2 , FLARE3 , FLARE4 , FLARE5 ,
FLARE6 , FLARE7 , FLARE8 , FLARE9 , FLARE10 , FLARE11 , FLARE12 , FLARE13 ,
FLARE14 , FLARE15 , FLARE16 , FLARE17 , FLARE18 , FLARE19 , FLARE20 , FLARE21 ,
FLARE22 , FLARE23 , FLARE24 ,

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

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

**

Y-COORD (METERS)	405512.81	405671.88	X-COORD (METERS) 405830.95	405990.02	406149.09	
3765862.8		0.00025 (10033118)	0.00023 (10042118)	0.00020 (11102318)	0.00017 (12041318)	0.00016 (12090919)
3765765.7		0.00030 (10033118)	0.00028 (10042118)	0.00022 (08020318)	0.00019 (12090919)	0.00016 (12090919)
3765668.5		0.00033 (10033118)	0.00033 (10042118)	0.00024 (12041318)	0.00020 (12090919)	0.00018 (12031819)
3765571.4		0.00043 (10042118)	0.00032 (10042118)	0.00025 (12090919)	0.00022 (12031818)	0.00018 (12031818)
3765474.3		0.00060 (10042118)	0.00029 (12121813)	0.00027 (12031818)	0.00021 (12031818)	0.00015 (12031818)
3765377.1		0.00072 (08052114)	0.00037 (12031815)	0.00021 (12031818)	0.00014 (12031818)	0.00010 (10123010)
3765280.0		0.00078 (12012113)	0.00049 (12111014)	0.00023 (12111014)	0.00015 (10122923)	0.00013 (10122923)
3765182.8		0.00079 (09022810)	0.00046 (10122923)	0.00038 (10122923)	0.00027 (10122923)	0.00025 (10122923)
3765085.7		0.00060 (09011809)	0.00037 (10112810)	0.00039 (10122923)	0.00036 (10122923)	0.00027 (10122923)
3764988.6		0.00045 (09011808)	0.00029 (11111008)	0.00033 (09102718)	0.00023 (10122923)	0.00020 (11030721)
3764891.4		0.00040 (10010903)	0.00033 (12121819)	0.00037 (09102718)	0.00025 (09102718)	0.00019 (10120102)
3764794.3		0.00024 (10010903)	0.00032 (10110404)	0.00027 (12121818)	0.00020 (09102718)	0.00024 (08122103)
3764697.1		0.00018 (10010903)	0.00026 (09011807)	0.00026 (08122803)	0.00026 (09012705)	0.00023 (10011108)
3764600.0		0.00020 (08011224)	0.00030 (09040502)	0.00027 (11022802)	0.00025 (08112603)	0.00021 (09030706)
3764502.9		0.00019 (08011224)	0.00027 (12101721)	0.00025 (10111323)	0.00022 (09011022)	0.00020 (10110523)
3764405.7		0.00017 (08011224)	0.00024 (08121022)	0.00023 (10121119)	0.00021 (12101501)	0.00019 (08112603)
3764308.6		0.00015 (08011224)	0.00022 (12010208)	0.00021 (08100624)	0.00019 (08011420)	0.00018 (10123101)
3764211.4		0.00013 (08011224)	0.00019 (08032304)	0.00019 (09040502)	0.00017 (10030504)	0.00016 (08122803)
3764114.3		0.00011 (08011224)	0.00018 (09011423)	0.00016 (10111204)	0.00012 (10110404)	0.00011 (08121003)
3764017.2		0.00008 (11012704)	0.00014 (09011423)	0.00011 (10111204)	0.00012 (09011808)	0.00010 (09011808)
3763920.0		0.00006 (11012704)	0.00009 (09011423)	0.00009 (10123106)	0.00011 (09011808)	0.00009 (09011808)

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**MODELOPTs: RegDEFAULT CONC ELEV URBAN

*** THE 1ST HIGHEST 1-HR AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: ALL ***
INCLUDING SOURCE(S): FLARE1 , FLARE2 , FLARE3 , FLARE4 , FLARE5 ,

FLARE6 , FLARE7 , FLARE8 , FLARE9 , FLARE10 , FLARE11 , FLARE12 , FLARE13 ,
FLARE14 , FLARE15 , FLARE16 , FLARE17 , FLARE18 , FLARE19 , FLARE20 , FLARE21 ,
FLARE22 , FLARE23 , FLARE24 ,

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

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

**

Y-COORD (METERS)	406308.16	406467.23	X-COORD (METERS) 406626.30	406785.37	406944.44
3765862.8	0.00013 (12031819)	0.00012 (12031819)	0.00010 (12031819)	0.00009 (10102806)	0.00008 (10102806)
3765765.7	0.00014 (12031819)	0.00012 (12031819)	0.00010 (10102806)	0.00009 (10102806)	0.00008 (10102806)
3765668.5	0.00014 (12031818)	0.00011 (12031818)	0.00010 (10102806)	0.00009 (10102806)	0.00008 (10102806)
3765571.4	0.00013 (12031818)	0.00011 (10102806)	0.00009 (10102806)	0.00008 (10102806)	0.00008 (10102806)
3765474.3	0.00011 (10102806)	0.00009 (10102806)	0.00007 (10102806)	0.00008 (10110817)	0.00009 (10110817)
3765377.1	0.00009 (10110817)	0.00011 (10110817)	0.00009 (10110817)	0.00010 (10110817)	0.00010 (10110817)
3765280.0	0.00014 (10122923)	0.00012 (10110817)	0.00010 (10110817)	0.00011 (10110817)	0.00010 (10110817)
3765182.8	0.00019 (10122923)	0.00016 (10122923)	0.00013 (10122923)	0.00010 (10122923)	0.00009 (10110817)
3765085.7	0.00024 (10122923)	0.00019 (10122923)	0.00016 (10122923)	0.00012 (10122923)	0.00011 (11030722)
3764988.6	0.00021 (10122923)	0.00020 (10122923)	0.00016 (10122923)	0.00014 (10122923)	0.00012 (10122923)
3764891.4	0.00014 (09102717)	0.00014 (11030721)	0.00013 (08052119)	0.00013 (08052119)	0.00012 (10122923)
3764794.3	0.00021 (10113005)	0.00018 (08122002)	0.00014 (10012307)	0.00010 (11030721)	0.00011 (08052119)
3764697.1	0.00020 (08042801)	0.00018 (10102719)	0.00016 (12030702)	0.00011 (08122002)	0.00009 (11030721)
3764600.0	0.00019 (10011108)	0.00017 (08042801)	0.00015 (10102719)	0.00011 (10113005)	0.00008 (09102717)
3764502.9	0.00018 (09070623)	0.00016 (09092905)	0.00014 (08042801)	0.00010 (11022803)	0.00009 (09102721)
3764405.7	0.00017 (08112807)	0.00015 (09070623)	0.00014 (09092905)	0.00009 (08122103)	0.00010 (09102721)
3764308.6	0.00016 (10110523)	0.00014 (09030706)	0.00013 (09111106)	0.00010 (08012607)	0.00009 (09102721)
3764211.4	0.00015 (08112603)	0.00014 (09122001)	0.00013 (08031106)	0.00011 (11021806)	0.00009 (09102718)
3764114.3	0.00015 (08122001)	0.00013 (08112107)	0.00012 (08112807)	0.00011 (08122101)	0.00008 (09102718)
3764017.2	0.00014 (08122803)	0.00013 (08111406)	0.00012 (10110523)	0.00011 (08013106)	0.00008 (08122101)
3763920.0	0.00013 (09121606)	0.00012 (08122708)	0.00011 (09030206)	0.00010 (08112807)	0.00009 (08013106)

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**MODELOPTs: RegDEFAULT CONC ELEV URBAN

*** THE 1ST HIGHEST 1-HR AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: ALL ***
INCLUDING SOURCE(S): FLARE1 , FLARE2 , FLARE3 , FLARE4 , FLARE5 ,
FLARE6 , FLARE7 , FLARE8 , FLARE9 , FLARE10 , FLARE11 , FLARE12 , FLARE13 ,
FLARE14 , FLARE15 , FLARE16 , FLARE17 , FLARE18 , FLARE19 , FLARE20 , FLARE21 ,
FLARE22 , FLARE23 , FLARE24 ,

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

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

**

Y-COORD (METERS)	407103.51	407262.58	X-COORD (METERS) 407421.65	407580.72	407739.79

3765862.8	0.00007	(10102806)	0.00007	(10102806)	0.00006	(10102806)	0.00005	(10102806)	0.00005	(10102806)
3765765.7	0.00007	(10102806)	0.00006	(10102806)	0.00005	(10102806)	0.00005	(10102806)	0.00004	(12081020)
3765668.5	0.00006	(10102806)	0.00006	(10102806)	0.00005	(10102806)	0.00004	(10110817)	0.00004	(10110817)
3765571.4	0.00006	(10110817)	0.00006	(10110817)	0.00006	(10110817)	0.00005	(10110817)	0.00005	(10110817)
3765474.3	0.00009	(10110817)	0.00008	(10110817)	0.00008	(10110817)	0.00006	(10110817)	0.00005	(10110817)
3765377.1	0.00009	(10110817)	0.00009	(10110817)	0.00008	(10110817)	0.00007	(10110817)	0.00006	(10110817)
3765280.0	0.00009	(10110817)	0.00009	(10110817)	0.00008	(10110817)	0.00007	(10110817)	0.00007	(10110817)
3765182.8	0.00009	(10110817)	0.00008	(10110817)	0.00007	(10110817)	0.00007	(10110817)	0.00006	(10110817)
3765085.7	0.00009	(11030722)	0.00008	(09113004)	0.00008	(11030722)	0.00007	(11030722)	0.00007	(11030722)
3764988.6	0.00010	(10122923)	0.00009	(11030722)	0.00008	(11030722)	0.00008	(11030722)	0.00007	(11030722)
3764891.4	0.00011	(10122923)	0.00010	(10122923)	0.00008	(10122923)	0.00008	(12121821)	0.00007	(11030722)
3764794.3	0.00011	(10122923)	0.00010	(10122923)	0.00008	(08052119)	0.00007	(12121821)	0.00007	(12121821)
3764697.1	0.00010	(08052119)	0.00009	(08052119)	0.00009	(08052119)	0.00007	(08011406)	0.00007	(08052119)
3764600.0	0.00009	(08052119)	0.00009	(08052119)	0.00008	(08052119)	0.00007	(11030721)	0.00007	(08052119)
3764502.9	0.00007	(08052119)	0.00008	(08052119)	0.00007	(08052119)	0.00007	(08052119)	0.00007	(11030721)
3764405.7	0.00008	(09102721)	0.00007	(09102721)	0.00006	(08052119)	0.00007	(11030721)	0.00006	(08052119)
3764308.6	0.00009	(09102721)	0.00008	(09102721)	0.00006	(09102721)	0.00005	(09102721)	0.00005	(11030721)
3764211.4	0.00008	(09102721)	0.00008	(09102721)	0.00007	(09102721)	0.00006	(09102721)	0.00005	(09102721)
3764114.3	0.00007	(09102718)	0.00008	(09102721)	0.00007	(09102721)	0.00007	(09102721)	0.00006	(09102721)
3764017.2	0.00007	(09102718)	0.00007	(09102718)	0.00007	(09102721)	0.00007	(09102721)	0.00006	(09102721)
3763920.0	0.00007	(09102807)	0.00007	(09102718)	0.00007	(09102718)	0.00006	(09102721)	0.00005	(09102721)

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**MODELOPTs: RegDEFAULT CONC ELEV URBAN

*** THE 1ST HIGHEST 1-HR AVERAGE CONCENTRATION				VALUES FOR SOURCE GROUP: ALL				***
INCLUDING SOURCE(S):				FLARE1	FLARE2	FLARE3	FLARE4	FLARE5
FLARE6	FLARE7	FLARE8	FLARE9	FLARE10	FLARE11	FLARE12	FLARE13	
FLARE14	FLARE15	FLARE16	FLARE17	FLARE18	FLARE19	FLARE20	FLARE21	
FLARE22	FLARE23	FLARE24						

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

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

Y-COORD (METERS)	X-COORD (METERS)
407898.86	

3765862.8	0.00004	(12081020)
3765765.7	0.00004	(10110817)
3765668.5	0.00004	(10110817)
3765571.4	0.00005	(10110817)
3765474.3	0.00005	(10110817)
3765377.1	0.00006	(10110817)
3765280.0	0.00007	(10110817)
3765182.8	0.00006	(10110817)

3765085.7 | 0.00006 (11030722)
3764988.6 | 0.00006 (11030722)
3764891.4 | 0.00007 (11030722)
3764794.3 | 0.00007 (12121821)
3764697.1 | 0.00007 (08052119)
3764600.0 | 0.00007 (08052119)
3764502.9 | 0.00007 (08052119)
3764405.7 | 0.00006 (11030721)
3764308.6 | 0.00005 (11030721)
3764211.4 | 0.00004 (11030721)
3764114.3 | 0.00004 (09102721)
3764017.2 | 0.00005 (09102721)
3763920.0 | 0.00005 (09102721)

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**MODELOPTs: RegDEFAULT CONC ELEV URBAN

*** THE 1ST HIGHEST 1-HR AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: ALL ***
INCLUDING SOURCE(S): FLARE1 , FLARE2 , FLARE3 , FLARE4 , FLARE5 ,
FLARE6 , FLARE7 , FLARE8 , FLARE9 , FLARE10 , FLARE11 , FLARE12 , FLARE13 ,
FLARE14 , FLARE15 , FLARE16 , FLARE17 , FLARE18 , FLARE19 , FLARE20 , FLARE21 ,
FLARE22 , FLARE23 , FLARE24 ,

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

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

**

X-COORD (M)	Y-COORD (M)	CONC	(YYMMDDHH)	X-COORD (M)	Y-COORD (M)	CONC	(YYMMDDHH)
405475.87	3765283.33	0.00081	(10012115)	405487.28	3765227.63	0.00061	(12080612)
405496.83	3765177.10	0.00085	(10102809)	405361.06	3765124.16	0.00082	(08010701)
405556.64	3765179.21	0.00071	(12071216)	405516.99	3765024.87	0.00046	(08031008)
405795.26	3765005.20	0.00034	(09102718)	406083.86	3765241.01	0.00017	(10122923)
406158.41	3764974.02	0.00019	(11030721)	405659.63	3764787.39	0.00033	(10110404)
405927.52	3765602.51	0.00022	(12090919)				

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**MODELOPTs: RegDEFAULT CONC ELEV URBAN

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

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

**

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

ALL	1ST HIGHEST VALUE IS	0.00005 AT (	405512.81,	3765377.13,	138.00,	308.00,	0.00)	GC	UCART1
	2ND HIGHEST VALUE IS	0.00004 AT (	405475.87,	3765283.33,	178.49,	306.00,	0.00)	DC	
	3RD HIGHEST VALUE IS	0.00004 AT (	405512.81,	3765474.27,	122.70,	311.00,	0.00)	GC	UCART1
	4TH HIGHEST VALUE IS	0.00004 AT (	405353.74,	3765377.13,	180.70,	305.00,	0.00)	GC	UCART1
	5TH HIGHEST VALUE IS	0.00003 AT (	405512.81,	3765279.99,	174.60,	306.00,	0.00)	GC	UCART1
	6TH HIGHEST VALUE IS	0.00003 AT (	405353.74,	3765474.27,	163.10,	306.00,	0.00)	GC	UCART1
	7TH HIGHEST VALUE IS	0.00003 AT (	405512.81,	3765571.41,	117.00,	311.00,	0.00)	GC	UCART1
	8TH HIGHEST VALUE IS	0.00003 AT (	405353.74,	3765182.85,	181.90,	306.00,	0.00)	GC	UCART1
	9TH HIGHEST VALUE IS	0.00003 AT (	405353.74,	3765279.99,	181.00,	305.00,	0.00)	GC	UCART1
	10TH HIGHEST VALUE IS	0.00002 AT (	405671.88,	3765474.27,	125.40,	311.00,	0.00)	GC	UCART1

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

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**MODELOPTs: RegDEFAULT CONC ELEV URBAN

*** THE SUMMARY OF HIGHEST 1-HR RESULTS ***

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

GROUP ID	AVERAGE CONC	DATE (YYMMDDHH)	RECEPTOR (XR, YR, ZELEV, ZHILL, ZFLAG)	OF TYPE	NETWORK GRID-ID
ALL	HIGH 1ST HIGH VALUE IS	0.00169 ON 08010424:	AT (405353.74, 3765377.13, 180.70, 305.00,	0.00)	GC UCART1

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

*** AERMOD - VERSION	15181 ***	*** C:\Lakes\AERMOD View\6351 Puente Hills Landfill Park\6351 Puente Hil	***	04/20/16
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**MODELOPTs: RegDEFAULT CONC ELEV URBAN

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

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

A Total of	0 Fatal Error Message(s)
A Total of	0 Warning Message(s)

A Total of 1222 Informational Message(s)
A Total of 43848 Hours Were Processed
A Total of 13 Calm Hours Identified
A Total of 1209 Missing Hours Identified (2.76 Percent)

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

***** WARNING MESSAGES *****
*** NONE ***

*** AERMOD Finishes Successfully ***

```

** Lakes Environmental AERMOD MPI
**
*****
**
** AERMOD Input Produced by:
** AERMOD View Ver. 9.1.0
** Lakes Environmental Software Inc.
** Date: 4/20/2016
** File: C:\Lakes\AERMOD View\Puente Hills LFP Benzene\Puente Hills LFP Benzene.ADI
**
*****
**
**
*****
** AERMOD Control Pathway
*****
**
**
CO STARTING
  TITLEONE C:\Lakes\AERMOD View\6351 Puente Hills Landfill Park\6351 Puente Hil
  TITLETWO Benzene
  MODELOPT DFAULT CONC
  AVERTIME 1 ANNUAL
  URBANOPT 9862049 Los_Angeles_County
  POLLUTID BENZENE
  RUNORNOT RUN
  ERRORFIL "Puente Hills LFP Benzene.err"
CO FINISHED
**
*****
** AERMOD Source Pathway
*****
**
**
SO STARTING
** Source Location **
** Source ID - Type - X Coord. - Y Coord. **
  LOCATION FLARE1      POINT      405412.404  3765266.480      181.580
** DESCRSRC Flares (24 total)
  LOCATION FLARE2      POINT      405417.595  3765268.614      181.640
** DESCRSRC Flares (24 total)
  LOCATION FLARE3      POINT      405415.440  3765263.023      181.620
** DESCRSRC Flares (24 total)
  LOCATION FLARE4      POINT      405420.770  3765264.143      181.690
** DESCRSRC Flares (24 total)
  LOCATION FLARE5      POINT      405417.256  3765258.874      181.640
** DESCRSRC Flares (24 total)
  LOCATION FLARE6      POINT      405423.409  3765260.689      181.720
** DESCRSRC Flares (24 total)
  LOCATION FLARE7      POINT      405418.220  3765254.700      181.650
** DESCRSRC Flares (24 total)

```

LOCATION	FLARE8	POINT	405426.799	3765256.850	181.770
**	DESCRSRC	Flares (24 total)			
LOCATION	FLARE9	POINT	405420.223	3765250.883	181.680
**	DESCRSRC	Flares (24 total)			
LOCATION	FLARE10	POINT	405429.052	3765252.454	181.800
**	DESCRSRC	Flares (24 total)			
LOCATION	FLARE11	POINT	405423.375	3765246.684	181.720
**	DESCRSRC	Flares (24 total)			
LOCATION	FLARE12	POINT	405431.589	3765249.405	181.830
**	DESCRSRC	Flares (24 total)			
LOCATION	FLARE13	POINT	405427.483	3765241.984	181.780
**	DESCRSRC	Flares (24 total)			
LOCATION	FLARE14	POINT	405433.797	3765244.836	181.860
**	DESCRSRC	Flares (24 total)			
LOCATION	FLARE15	POINT	405430.394	3765236.806	181.820
**	DESCRSRC	Flares (24 total)			
LOCATION	FLARE16	POINT	405436.611	3765241.272	181.900
**	DESCRSRC	Flares (24 total)			
LOCATION	FLARE17	POINT	405433.570	3765232.416	181.860
**	DESCRSRC	Flares (24 total)			
LOCATION	FLARE18	POINT	405439.798	3765236.907	181.940
**	DESCRSRC	Flares (24 total)			
LOCATION	FLARE19	POINT	405436.746	3765227.834	181.900
**	DESCRSRC	Flares (24 total)			
LOCATION	FLARE20	POINT	405442.425	3765233.337	181.970
**	DESCRSRC	Flares (24 total)			
LOCATION	FLARE21	POINT	405440.173	3765223.711	181.940
**	DESCRSRC	Flares (24 total)			
LOCATION	FLARE22	POINT	405445.453	3765228.464	181.980
**	DESCRSRC	Flares (24 total)			
LOCATION	FLARE23	POINT	405442.883	3765219.270	181.980
**	DESCRSRC	Flares (24 total)			
LOCATION	FLARE24	POINT	405449.335	3765223.937	181.930
**	DESCRSRC	Flares (24 total)			
**	Source Parameters	**			
SRCPARAM	FLARE1	0.0001389806	10.226	1088.706	4.245 2.530
SRCPARAM	FLARE2	0.0001389806	10.226	1088.706	4.245 2.530
SRCPARAM	FLARE3	0.0001389806	10.226	1088.706	4.245 2.530
SRCPARAM	FLARE4	0.0001389806	10.226	1088.706	4.245 2.530
SRCPARAM	FLARE5	0.0001389806	10.226	1088.706	4.245 2.530
SRCPARAM	FLARE6	0.0001389806	10.226	1088.706	4.245 2.530
SRCPARAM	FLARE7	0.0001389806	10.226	1088.706	4.245 2.530
SRCPARAM	FLARE8	0.0001389806	10.226	1088.706	4.245 2.530
SRCPARAM	FLARE9	0.0001389806	10.226	1088.706	4.245 2.530
SRCPARAM	FLARE10	0.0001389806	10.226	1088.706	4.245 2.530
SRCPARAM	FLARE11	0.0001389806	10.226	1088.706	4.245 2.530
SRCPARAM	FLARE12	0.0001389806	10.226	1088.706	4.245 2.530
SRCPARAM	FLARE13	0.0001389806	10.226	1088.706	4.245 2.530
SRCPARAM	FLARE14	0.0001389806	10.226	1088.706	4.245 2.530
SRCPARAM	FLARE15	0.0001389806	10.226	1088.706	4.245 2.530
SRCPARAM	FLARE16	0.0001389806	10.226	1088.706	4.245 2.530

SRCPARAM	FLARE17	0.0001389806	10.226	1088.706	4.245	2.530
SRCPARAM	FLARE18	0.0001389806	10.226	1088.706	4.245	2.530
SRCPARAM	FLARE19	0.0001389806	10.226	1088.706	4.245	2.530
SRCPARAM	FLARE20	0.0001389806	10.226	1088.706	4.245	2.530
SRCPARAM	FLARE21	0.0001389806	10.226	1088.706	4.245	2.530
SRCPARAM	FLARE22	0.0001389806	10.226	1088.706	4.245	2.530
SRCPARAM	FLARE23	0.0001389806	10.226	1088.706	4.245	2.530
SRCPARAM	FLARE24	0.0001389806	10.226	1088.706	4.245	2.530
URBANSRC	ALL					
SRCGROUP	ALL					

SO FINISHED

**

** AERMOD Receptor Pathway

**

**

RE STARTING

INCLUDED "Puente Hills LFP Benzene.rou"

RE FINISHED

**

** AERMOD Meteorology Pathway

**

**

ME STARTING

SURFFILE "C:\Users\Kate Wilson\Desktop\Met data\pico8.sfc"

PROFFILE "C:\Users\Kate Wilson\Desktop\Met data\pico8.PFL"

SURFDATA 0 2008

UAIRDATA 3190 2008

SITEDATA 99999 2008

PROFBASE 58.0 METERS

ME FINISHED

**

** AERMOD Output Pathway

**

**

OU STARTING

RECTABLE ALLAVE 1ST

RECTABLE 1 1ST

** Auto-Generated Plotfiles

PLOTFILE 1 ALL 1ST "PUENTE HILLS LFP BENZENE.AD\01H1GALL.PLT" 31

PLOTFILE ANNUAL ALL "PUENTE HILLS LFP BENZENE.AD\AN00GALL.PLT" 32

SUMMFILE "Puente Hills LFP Benzene.sum"

OU FINISHED

*** SETUP Finishes Successfully ***

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**MODELOPTs: RegDEFAULT CONC ELEV URBAN

*** MODEL SETUP OPTIONS SUMMARY ***

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

-- DEPOSITION LOGIC --

**NO GAS DEPOSITION Data Provided.

**NO PARTICLE DEPOSITION Data Provided.

**Model Uses NO DRY DEPLETION. DRYDPLT = F

**Model Uses NO WET DEPLETION. WETDPLT = F

**Model Uses URBAN Dispersion Algorithm for the SBL for 24 Source(s),
for Total of 1 Urban Area(s):
Urban Population = 9862049.0 ; Urban Roughness Length = 1.000 m

**Model Uses Regulatory DEFAULT Options:

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

**Other Options Specified:

TEMP_Sub - Meteorological data includes TEMP substitutions

**Model Assumes No FLAGPOLE Receptor Heights.

**The User Specified a Pollutant Type of: BENZENE

**Model Calculates 1 Short Term Average(s) of: 1-HR
and Calculates ANNUAL Averages

**This Run Includes: 24 Source(s); 1 Source Group(s); and 452 Receptor(s)

with: 24 POINT(s), including
0 POINTCAP(s) and 0 POINTHOR(s)
and: 0 VOLUME source(s)
and: 0 AREA type source(s)
and: 0 LINE source(s)
and: 0 OPENPIT source(s)

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

**The AERMET Input Meteorological Data Version Date: 14134

**Output Options Selected:

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

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

**Misc. Inputs: Base Elev. for Pot. Temp. Profile (m MSL) = 58.00 ; 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: Puente Hills LFP Benzene.err

**File for Summary of Results: Puente Hills LFP Benzene.sum

*** AERMOD - VERSION 15181 *** *** C:\Lakes\AERMOD View\6351 Puente Hills Landfill Park\6351 Puente Hil *** 04/20/16
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**MODELOPTs: RegDEFAULT CONC ELEV URBAN

*** POINT SOURCE DATA ***

SOURCE ID	NUMBER PART. CATS.	EMISSION RATE (GRAMS/SEC)	X (METERS)	Y (METERS)	BASE ELEV. (METERS)	STACK HEIGHT (METERS)	STACK TEMP. (DEG.K)	STACK EXIT VEL. (M/SEC)	STACK DIAMETER (METERS)	BLDG EXISTS	URBAN SOURCE	CAP/ HOR	EMIS RATE SCALAR VARY BY
FLARE1	0	0.13898E-03	405412.4	3765266.5	181.6	10.23	1088.71	4.25	2.53	NO	YES	NO	
FLARE2	0	0.13898E-03	405417.6	3765268.6	181.6	10.23	1088.71	4.25	2.53	NO	YES	NO	
FLARE3	0	0.13898E-03	405415.4	3765263.0	181.6	10.23	1088.71	4.25	2.53	NO	YES	NO	
FLARE4	0	0.13898E-03	405420.8	3765264.1	181.7	10.23	1088.71	4.25	2.53	NO	YES	NO	
FLARE5	0	0.13898E-03	405417.3	3765258.9	181.6	10.23	1088.71	4.25	2.53	NO	YES	NO	
FLARE6	0	0.13898E-03	405423.4	3765260.7	181.7	10.23	1088.71	4.25	2.53	NO	YES	NO	
FLARE7	0	0.13898E-03	405418.2	3765254.7	181.7	10.23	1088.71	4.25	2.53	NO	YES	NO	
FLARE8	0	0.13898E-03	405426.8	3765256.8	181.8	10.23	1088.71	4.25	2.53	NO	YES	NO	
FLARE9	0	0.13898E-03	405420.2	3765250.9	181.7	10.23	1088.71	4.25	2.53	NO	YES	NO	
FLARE10	0	0.13898E-03	405429.1	3765252.5	181.8	10.23	1088.71	4.25	2.53	NO	YES	NO	
FLARE11	0	0.13898E-03	405423.4	3765246.7	181.7	10.23	1088.71	4.25	2.53	NO	YES	NO	
FLARE12	0	0.13898E-03	405431.6	3765249.4	181.8	10.23	1088.71	4.25	2.53	NO	YES	NO	
FLARE13	0	0.13898E-03	405427.5	3765242.0	181.8	10.23	1088.71	4.25	2.53	NO	YES	NO	
FLARE14	0	0.13898E-03	405433.8	3765244.8	181.9	10.23	1088.71	4.25	2.53	NO	YES	NO	
FLARE15	0	0.13898E-03	405430.4	3765236.8	181.8	10.23	1088.71	4.25	2.53	NO	YES	NO	

FLARE16	0	0.13898E-03	405436.6	3765241.3	181.9	10.23	1088.71	4.25	2.53	NO	YES	NO
FLARE17	0	0.13898E-03	405433.6	3765232.4	181.9	10.23	1088.71	4.25	2.53	NO	YES	NO
FLARE18	0	0.13898E-03	405439.8	3765236.9	181.9	10.23	1088.71	4.25	2.53	NO	YES	NO
FLARE19	0	0.13898E-03	405436.7	3765227.8	181.9	10.23	1088.71	4.25	2.53	NO	YES	NO
FLARE20	0	0.13898E-03	405442.4	3765233.3	182.0	10.23	1088.71	4.25	2.53	NO	YES	NO
FLARE21	0	0.13898E-03	405440.2	3765223.7	181.9	10.23	1088.71	4.25	2.53	NO	YES	NO
FLARE22	0	0.13898E-03	405445.5	3765228.5	182.0	10.23	1088.71	4.25	2.53	NO	YES	NO
FLARE23	0	0.13898E-03	405442.9	3765219.3	182.0	10.23	1088.71	4.25	2.53	NO	YES	NO
FLARE24	0	0.13898E-03	405449.3	3765223.9	181.9	10.23	1088.71	4.25	2.53	NO	YES	NO

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**MODELOPTs: RegDFAULT CONC ELEV URBAN

*** SOURCE IDs DEFINING SOURCE GROUPS ***

SRCGROUP ID	SOURCE IDs															
-----	-----															
ALL	FLARE1	,	FLARE2	,	FLARE3	,	FLARE4	,	FLARE5	,	FLARE6	,	FLARE7	,	FLARE8	,
	FLARE9	,	FLARE10	,	FLARE11	,	FLARE12	,	FLARE13	,	FLARE14	,	FLARE15	,	FLARE16	,
	FLARE17	,	FLARE18	,	FLARE19	,	FLARE20	,	FLARE21	,	FLARE22	,	FLARE23	,	FLARE24	,

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**MODELOPTs: RegDFAULT CONC ELEV URBAN

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

URBAN ID	URBAN POP	SOURCE IDs															
-----	-----	-----															
FLARE8	9862049.	FLARE1	,	FLARE2	,	FLARE3	,	FLARE4	,	FLARE5	,	FLARE6	,	FLARE7	,		
		FLARE9	,	FLARE10	,	FLARE11	,	FLARE12	,	FLARE13	,	FLARE14	,	FLARE15	,	FLARE16	,
		FLARE17	,	FLARE18	,	FLARE19	,	FLARE20	,	FLARE21	,	FLARE22	,	FLARE23	,	FLARE24	,

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**MODELOPTs: RegDFAULT CONC ELEV URBAN

*** GRIDDED RECEPTOR NETWORK SUMMARY ***

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

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

404717.5, 404876.5, 405035.6, 405194.7, 405353.7, 405512.8, 405671.9, 405831.0, 405990.0, 406149.1,
406308.2, 406467.2, 406626.3, 406785.4, 406944.4, 407103.5, 407262.6, 407421.7, 407580.7, 407739.8,
407898.9,

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

3763920.0, 3764017.2, 3764114.3, 3764211.4, 3764308.6, 3764405.7, 3764502.9, 3764600.0, 3764697.1, 3764794.3,
3764891.4, 3764988.6, 3765085.7, 3765182.8, 3765280.0, 3765377.1, 3765474.3, 3765571.4, 3765668.5, 3765765.7,
3765862.8,

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**MODELOPTs: RegDFAULT CONC ELEV URBAN

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

* ELEVATION HEIGHTS IN METERS *

Y-COORD (METERS)	X-COORD (METERS)								
	404717.46	404876.53	405035.60	405194.67	405353.74	405512.81	405671.88	405830.95	405990.02
3765862.83	85.20	86.70	88.10	89.80	90.80	91.00	95.30	97.70	97.60
3765765.69	88.00	89.30	91.00	94.80	98.90	99.40	104.00	109.00	109.90
3765668.55	92.90	93.50	102.50	106.30	109.10	108.80	113.00	121.00	120.80
3765571.41	101.00	106.10	116.80	124.20	124.70	117.00	117.30	124.50	121.10
3765474.27	109.40	115.90	132.00	161.80	163.10	122.70	125.40	130.20	121.80
3765377.13	115.60	122.00	145.70	178.70	180.70	138.00	152.10	139.20	121.20
3765279.99	119.10	127.70	157.90	180.20	181.00	174.60	174.50	156.40	131.80
3765182.85	121.50	136.60	167.70	180.50	181.90	182.10	182.00	174.90	168.00
3765085.71	125.30	146.90	177.00	181.90	185.70	191.60	182.00	182.00	184.20
3764988.57	124.50	139.80	172.30	181.90	194.40	221.20	192.20	190.60	201.00
3764891.43	121.60	127.80	162.80	181.70	210.40	242.30	223.60	216.80	231.60
3764794.29	121.80	132.20	165.00	192.00	229.20	245.50	246.70	242.80	245.30
3764697.15	124.00	142.10	174.70	207.10	240.70	250.90	260.70	268.50	279.10
3764600.01	125.70	140.80	179.10	204.50	233.90	258.20	281.20	295.40	302.00
3764502.87	122.10	125.00	177.00	187.00	218.30	262.80	299.20	303.40	302.80
3764405.73	121.00	144.60	179.30	181.90	211.60	263.90	304.00	303.80	303.90
3764308.59	146.30	164.20	181.70	182.00	220.20	264.90	304.00	303.50	297.60
3764211.45	174.40	180.90	182.00	182.00	229.50	265.30	293.20	290.50	276.00
3764114.31	171.50	170.00	180.40	182.00	228.70	262.60	281.20	272.60	252.30

3764017.17	121.00	151.40	179.00	181.90	232.40	255.60	268.20	257.90	243.50
3763920.03	123.00	148.90	183.50	197.80	241.00	247.10	253.90	250.20	243.70

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**MODELOPTs: RegDEFAULT CONC ELEV URBAN

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

* ELEVATION HEIGHTS IN METERS *

Y-COORD (METERS)	406149.09	406308.16	406467.23	406626.30	406785.37	406944.44	407103.51	407262.58	407421.65
3765862.83	91.80	88.90	87.90	93.00	98.60	102.20	99.00	97.50	94.70
3765765.69	101.30	95.70	95.00	99.00	108.40	112.80	108.00	105.20	105.70
3765668.55	111.90	109.30	110.60	113.00	126.00	147.00	130.70	131.70	135.30
3765571.41	118.80	121.20	120.30	117.90	133.60	177.80	156.80	158.40	161.60
3765474.27	126.50	144.40	151.70	127.90	164.20	183.80	183.70	183.30	185.80
3765377.13	138.10	167.60	180.80	156.00	177.30	192.30	195.70	197.70	200.80
3765279.99	161.50	182.70	185.20	172.90	188.80	199.00	201.20	209.50	212.90
3765182.85	191.40	193.30	190.10	192.50	202.60	219.30	231.20	250.40	236.10
3765085.71	229.10	207.40	194.10	206.00	216.30	231.40	250.90	256.80	244.90
3764988.57	243.20	225.30	214.60	225.80	226.50	226.20	227.40	232.10	232.10
3764891.43	255.60	246.70	243.80	247.20	236.80	225.50	210.80	214.80	226.80
3764794.29	277.90	279.40	280.10	270.10	251.20	238.70	215.80	203.70	239.10
3764697.15	297.40	300.80	302.60	288.20	261.50	248.70	223.20	195.80	225.90
3764600.01	303.50	304.00	305.10	297.60	265.00	247.90	222.20	190.60	198.40
3764502.87	303.90	303.50	303.50	298.20	262.00	240.50	208.40	185.40	184.50
3764405.73	303.80	302.50	301.00	295.80	257.30	233.20	207.70	179.10	177.00
3764308.59	293.60	300.30	299.40	296.50	262.00	233.10	223.50	184.50	173.70
3764211.45	277.00	295.40	303.20	302.20	278.10	241.70	237.60	209.30	190.90
3764114.31	258.70	290.30	306.90	307.60	289.30	250.60	252.50	235.30	211.20
3764017.17	244.30	289.20	303.10	304.30	294.80	262.20	253.10	244.20	212.60
3763920.03	251.70	287.60	300.70	299.50	297.00	274.70	257.00	234.70	215.20

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**MODELOPTs: RegDEFAULT CONC ELEV URBAN

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

* ELEVATION HEIGHTS IN METERS *

Y-COORD (METERS)	407580.72	407739.79	407898.86

3765862.83	87.60	83.40	78.20
3765765.69	102.50	97.50	91.70
3765668.55	116.90	112.80	103.10
3765571.41	129.10	121.80	114.90
3765474.27	156.60	146.00	138.50
3765377.13	182.60	174.00	173.40
3765279.99	203.70	197.40	195.90
3765182.85	227.90	226.10	206.00
3765085.71	234.50	231.90	205.50
3764988.57	220.40	210.80	196.60
3764891.43	226.00	212.30	186.50
3764794.29	249.90	238.50	206.80
3764697.15	259.40	252.50	223.70
3764600.01	245.40	248.40	223.70
3764502.87	221.90	229.20	208.80
3764405.73	188.10	194.70	185.80
3764308.59	164.80	160.90	153.60
3764211.45	177.30	166.10	141.70
3764114.31	196.00	186.80	150.60
3764017.17	188.40	181.90	150.80
3763920.03	176.00	164.80	150.40

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**MODELOPTs: RegDFAULT CONC ELEV URBAN

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

* HILL HEIGHT SCALES IN METERS *

Y-COORD (METERS)	404717.46	404876.53	405035.60	405194.67	405353.74	405512.81	405671.88	405830.95	405990.02
3765862.83	306.00	306.00	306.00	307.00	308.00	311.00	311.00	311.00	311.00
3765765.69	306.00	306.00	306.00	308.00	308.00	311.00	311.00	311.00	311.00
3765668.55	306.00	306.00	306.00	307.00	308.00	311.00	311.00	311.00	311.00
3765571.41	306.00	306.00	306.00	306.00	306.00	311.00	311.00	311.00	311.00
3765474.27	306.00	306.00	306.00	305.00	306.00	311.00	311.00	311.00	311.00
3765377.13	306.00	306.00	306.00	304.00	305.00	308.00	308.00	311.00	311.00
3765279.99	306.00	306.00	305.00	304.00	305.00	306.00	306.00	311.00	311.00
3765182.85	306.00	306.00	305.00	305.00	306.00	306.00	306.00	308.00	311.00
3765085.71	306.00	305.00	304.00	305.00	306.00	306.00	307.00	308.00	311.00
3764988.57	306.00	306.00	305.00	305.00	305.00	304.00	306.00	308.00	308.00
3764891.43	306.00	307.00	306.00	305.00	304.00	304.00	306.00	306.00	306.00
3764794.29	306.00	307.00	305.00	305.00	304.00	304.00	304.00	306.00	306.00
3764697.15	307.00	306.00	305.00	304.00	304.00	304.00	304.00	304.00	304.00
3764600.01	307.00	307.00	305.00	304.00	304.00	304.00	304.00	304.00	302.00
3764502.87	308.00	354.00	305.00	305.00	304.00	304.00	304.00	303.40	302.80
3764405.73	349.00	307.00	304.00	305.00	304.00	304.00	304.00	303.80	303.90

3764308.59		304.00	304.00	304.00	305.00	304.00	304.00	304.00	303.50	297.60
3764211.45		304.00	304.00	304.00	307.00	304.00	304.00	304.00	304.00	304.00
3764114.31		304.00	304.00	304.00	307.00	304.00	304.00	304.00	304.00	308.00
3764017.17		354.00	354.00	304.00	354.00	304.00	304.00	304.00	304.00	308.00
3763920.03		354.00	354.00	304.00	304.00	304.00	304.00	304.00	304.00	308.00

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**MODELOPTs: RegDFAULT CONC ELEV URBAN

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

* HILL HEIGHT SCALES IN METERS *

Y-COORD (METERS)		406149.09	406308.16	406467.23	406626.30	406785.37	406944.44	407103.51	407262.58	407421.65
3765862.83		311.00	311.00	311.00	311.00	311.00	311.00	311.00	311.00	311.00
3765765.69		311.00	311.00	311.00	311.00	311.00	311.00	311.00	311.00	311.00
3765668.55		311.00	311.00	311.00	311.00	311.00	311.00	311.00	311.00	311.00
3765571.41		311.00	311.00	311.00	311.00	311.00	306.00	311.00	306.00	306.00
3765474.27		311.00	311.00	311.00	311.00	311.00	306.00	306.00	306.00	267.00
3765377.13		311.00	311.00	306.00	311.00	311.00	306.00	306.00	306.00	267.00
3765279.99		311.00	311.00	311.00	311.00	311.00	306.00	306.00	302.00	263.00
3765182.85		308.00	311.00	311.00	311.00	306.00	306.00	263.00	263.00	263.00
3765085.71		306.00	306.00	311.00	311.00	306.00	306.00	259.00	263.00	263.00
3764988.57		306.00	306.00	311.00	306.00	306.00	306.00	306.00	263.00	267.00
3764891.43		306.00	306.00	306.00	306.00	306.00	311.00	311.00	311.00	267.00
3764794.29		305.00	306.00	306.00	306.00	306.00	306.00	311.00	311.00	267.00
3764697.15		303.00	300.80	302.60	306.00	306.00	306.00	311.00	311.00	267.00
3764600.01		303.50	304.00	305.10	306.00	306.00	311.00	311.00	311.00	311.00
3764502.87		303.90	303.50	303.50	306.00	311.00	311.00	311.00	311.00	311.00
3764405.73		303.80	302.50	301.00	304.00	311.00	311.00	311.00	354.00	354.00
3764308.59		304.00	300.30	299.40	296.50	311.00	311.00	311.00	354.00	354.00
3764211.45		304.00	295.40	303.20	302.20	311.00	311.00	311.00	345.00	354.00
3764114.31		308.00	307.00	306.90	307.60	311.00	311.00	311.00	311.00	345.00
3764017.17		311.00	307.00	303.10	304.30	311.00	311.00	311.00	311.00	354.00
3763920.03		309.00	304.00	300.70	299.50	297.00	311.00	311.00	345.00	354.00

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**MODELOPTs: RegDFAULT CONC ELEV URBAN

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

* HILL HEIGHT SCALES IN METERS *

Y-COORD										

X-COORD (METERS)

(METERS)	407580.72	407739.79	407898.86
3765862.83	311.00	311.00	311.00
3765765.69	311.00	311.00	311.00
3765668.55	311.00	311.00	311.00
3765571.41	311.00	311.00	311.00
3765474.27	306.00	306.00	306.00
3765377.13	267.00	267.00	267.00
3765279.99	267.00	267.00	267.00
3765182.85	263.00	240.00	267.00
3765085.71	238.00	240.00	267.00
3764988.57	267.00	267.00	267.00
3764891.43	267.00	267.00	267.00
3764794.29	267.00	267.00	267.00
3764697.15	267.00	265.00	267.00
3764600.01	267.00	265.00	267.00
3764502.87	267.00	267.00	267.00
3764405.73	345.00	311.00	343.00
3764308.59	354.00	354.00	354.00
3764211.45	354.00	354.00	354.00
3764114.31	352.00	352.00	354.00
3764017.17	354.00	354.00	354.00
3763920.03	354.00	354.00	354.00

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**MODELOPTs: RegDEFAULT CONC ELEV URBAN

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

(405475.9, 3765283.3,	178.5,	306.0,	0.0);	(405487.3, 3765227.6,	181.1,	306.0,	0.0);
(405496.8, 3765177.1,	182.5,	306.0,	0.0);	(405361.1, 3765124.2,	183.8,	306.0,	0.0);
(405556.6, 3765179.2,	182.0,	306.0,	0.0);	(405517.0, 3765024.9,	207.2,	305.0,	0.0);
(405795.3, 3765005.2,	188.0,	308.0,	0.0);	(406083.9, 3765241.0,	155.0,	311.0,	0.0);
(406158.4, 3764974.0,	244.3,	306.0,	0.0);	(405659.6, 3764787.4,	247.3,	304.0,	0.0);
(405927.5, 3765602.5,	122.2,	311.0,	0.0);				

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**MODELOPTs: RegDEFAULT CONC ELEV URBAN

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

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

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

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
08	01	01	1	01	-999.0	-9.000	-9.000	-9.000	-999.	-999.	-99999.0	0.34	1.00	1.00	999.00	999.	-9.0	285.4	5.5			
08	01	01	1	02	-999.0	-9.000	-9.000	-9.000	-999.	-999.	-99999.0	0.34	1.00	1.00	999.00	999.	-9.0	284.2	5.5			
08	01	01	1	03	-999.0	-9.000	-9.000	-9.000	-999.	-999.	-99999.0	0.34	1.00	1.00	999.00	999.	-9.0	283.8	5.5			
08	01	01	1	04	-999.0	-9.000	-9.000	-9.000	-999.	-999.	-99999.0	0.34	1.00	1.00	999.00	999.	-9.0	284.2	5.5			
08	01	01	1	05	-999.0	-9.000	-9.000	-9.000	-999.	-999.	-99999.0	0.34	1.00	1.00	999.00	999.	-9.0	284.9	5.5			
08	01	01	1	06	-999.0	-9.000	-9.000	-9.000	-999.	-999.	-99999.0	0.34	1.00	1.00	999.00	999.	-9.0	285.4	5.5			
08	01	01	1	07	-999.0	-9.000	-9.000	-9.000	-999.	-999.	-99999.0	0.34	1.00	1.00	999.00	999.	-9.0	285.9	5.5			
08	01	01	1	08	-999.0	-9.000	-9.000	-9.000	-999.	-999.	-99999.0	0.34	1.00	0.54	999.00	999.	-9.0	286.4	5.5			
08	01	01	1	09	28.6	-9.000	-9.000	-9.000	61.	-999.	-99999.0	0.34	1.00	0.32	999.00	999.	-9.0	287.0	5.5			
08	01	01	1	10	83.5	-9.000	-9.000	-9.000	164.	-999.	-99999.0	0.34	1.00	0.24	999.00	999.	-9.0	289.2	5.5			
08	01	01	1	11	131.2	-9.000	-9.000	-9.000	427.	-999.	-99999.0	0.34	1.00	0.21	999.00	999.	-9.0	292.5	5.5			
08	01	01	1	12	130.6	-9.000	-9.000	-9.000	620.	-999.	-99999.0	0.34	1.00	0.20	999.00	999.	-9.0	294.2	5.5			
08	01	01	1	13	112.1	-9.000	-9.000	-9.000	723.	-999.	-99999.0	0.34	1.00	0.20	999.00	999.	-9.0	294.9	5.5			
08	01	01	1	14	86.7	-9.000	-9.000	-9.000	762.	-999.	-99999.0	0.34	1.00	0.21	999.00	999.	-9.0	294.9	5.5			
08	01	01	1	15	37.3	-9.000	-9.000	-9.000	778.	-999.	-99999.0	0.34	1.00	0.25	999.00	999.	-9.0	294.2	5.5			
08	01	01	1	16	12.7	-9.000	-9.000	-9.000	783.	-999.	-99999.0	0.34	1.00	0.33	999.00	999.	-9.0	293.8	5.5			
08	01	01	1	17	-999.0	-9.000	-9.000	-9.000	-999.	-999.	-99999.0	0.34	1.00	0.60	999.00	999.	-9.0	292.5	5.5			

08 01 01	1 18	-999.0	-9.000	-9.000	-9.000	-999.	-999.	-99999.0	0.34	1.00	1.00	999.00	999.	-9.0	291.4	5.5
08 01 01	1 19	-999.0	-9.000	-9.000	-9.000	-999.	-999.	-99999.0	0.34	1.00	1.00	999.00	999.	-9.0	290.9	5.5
08 01 01	1 20	-999.0	-9.000	-9.000	-9.000	-999.	-999.	-99999.0	0.34	1.00	1.00	999.00	999.	-9.0	288.8	5.5
08 01 01	1 21	-999.0	-9.000	-9.000	-9.000	-999.	-999.	-99999.0	0.34	1.00	1.00	999.00	999.	-9.0	288.1	5.5
08 01 01	1 22	-999.0	-9.000	-9.000	-9.000	-999.	-999.	-99999.0	0.34	1.00	1.00	999.00	999.	-9.0	288.1	5.5
08 01 01	1 23	-999.0	-9.000	-9.000	-9.000	-999.	-999.	-99999.0	0.34	1.00	1.00	999.00	999.	-9.0	288.8	5.5
08 01 01	1 24	-999.0	-9.000	-9.000	-9.000	-999.	-999.	-99999.0	0.34	1.00	1.00	999.00	999.	-9.0	287.5	5.5

First hour of profile data

YR	MO	DY	HR	HEIGHT	F	WDIR	WSPD	AMB_TMP	sigmaA	sigmaW	sigmaV
08	01	01	01	5.5	0	-999.	-99.00	285.4	99.0	-99.00	-99.00
08	01	01	01	9.1	1	-999.	-99.00	-999.0	99.0	-99.00	-99.00

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

*** AERMOD - VERSION 15181 ***	*** C:\Lakes\AERMOD View\6351 Puente Hills Landfill Park\6351 Puente Hil ***	04/20/16
*** AERMET - VERSION 14134 ***	*** Benzene ***	11:58:42
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**MODELOPTs: RegDEFAULT CONC ELEV URBAN

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

INCLUDING SOURCE(S):

FLARE6	, FLARE7	, FLARE8	, FLARE9	, FLARE10	, FLARE11	, FLARE12	, FLARE13	,
FLARE14	, FLARE15	, FLARE16	, FLARE17	, FLARE18	, FLARE19	, FLARE20	, FLARE21	,
FLARE22	, FLARE23	, FLARE24	,					

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

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

Y-COORD (METERS)	404717.46	404876.53	405035.60	405194.67	405353.74	405512.81	405671.88	405830.95	405990.02
3765862.83	0.00014	0.00018	0.00027	0.00040	0.00054	0.00063	0.00064	0.00055	0.00043
3765765.69	0.00014	0.00018	0.00027	0.00044	0.00066	0.00080	0.00078	0.00062	0.00044
3765668.55	0.00014	0.00018	0.00027	0.00049	0.00084	0.00107	0.00096	0.00068	0.00044
3765571.41	0.00014	0.00018	0.00028	0.00054	0.00111	0.00149	0.00116	0.00069	0.00041
3765474.27	0.00014	0.00018	0.00028	0.00060	0.00157	0.00212	0.00127	0.00063	0.00034
3765377.13	0.00014	0.00018	0.00029	0.00065	0.00210	0.00275	0.00113	0.00049	0.00027
3765279.99	0.00014	0.00019	0.00031	0.00065	0.00143	0.00186	0.00079	0.00036	0.00021
3765182.85	0.00014	0.00019	0.00033	0.00067	0.00144	0.00113	0.00059	0.00031	0.00020
3765085.71	0.00015	0.00020	0.00034	0.00061	0.00083	0.00066	0.00045	0.00027	0.00019
3764988.57	0.00015	0.00020	0.00031	0.00047	0.00045	0.00043	0.00031	0.00022	0.00016
3764891.43	0.00015	0.00019	0.00026	0.00033	0.00028	0.00029	0.00024	0.00018	0.00016
3764794.29	0.00015	0.00018	0.00022	0.00023	0.00020	0.00019	0.00021	0.00018	0.00015
3764697.15	0.00014	0.00017	0.00019	0.00018	0.00015	0.00014	0.00018	0.00019	0.00017
3764600.01	0.00014	0.00015	0.00017	0.00014	0.00012	0.00012	0.00017	0.00019	0.00017
3764502.87	0.00013	0.00014	0.00014	0.00012	0.00010	0.00011	0.00015	0.00017	0.00016
3764405.73	0.00013	0.00013	0.00012	0.00010	0.00008	0.00009	0.00013	0.00015	0.00015

3764308.59		0.00012	0.00012	0.00011	0.00009	0.00008	0.00008	0.00011	0.00013	0.00013
3764211.45		0.00012	0.00012	0.00010	0.00008	0.00007	0.00007	0.00009	0.00011	0.00011
3764114.31		0.00012	0.00010	0.00009	0.00007	0.00006	0.00007	0.00008	0.00009	0.00009
3764017.17		0.00010	0.00009	0.00008	0.00007	0.00006	0.00006	0.00007	0.00008	0.00008
3763920.03		0.00009	0.00008	0.00007	0.00006	0.00006	0.00006	0.00006	0.00007	0.00007

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**MODELOPTs:  RegDFAULT  CONC          ELEV          URBAN

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*** NETWORK ID: UCART1 ; NETWORK TYPE: GRIDCART ***
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Y-COORD (METERS)	X-COORD (METERS)								
	406149.09	406308.16	406467.23	406626.30	406785.37	406944.44	407103.51	407262.58	407421.65
3765862.83	0.00032	0.00024	0.00019	0.00016	0.00013	0.00011	0.00010	0.00009	0.00008
3765765.69	0.00031	0.00023	0.00018	0.00014	0.00012	0.00010	0.00009	0.00008	0.00007
3765668.55	0.00030	0.00021	0.00016	0.00013	0.00011	0.00010	0.00008	0.00008	0.00007
3765571.41	0.00026	0.00019	0.00014	0.00012	0.00010	0.00009	0.00008	0.00007	0.00007
3765474.27	0.00022	0.00017	0.00013	0.00010	0.00010	0.00009	0.00008	0.00007	0.00007
3765377.13	0.00019	0.00015	0.00012	0.00010	0.00009	0.00008	0.00007	0.00007	0.00006
3765279.99	0.00017	0.00014	0.00011	0.00009	0.00008	0.00008	0.00007	0.00007	0.00006
3765182.85	0.00015	0.00012	0.00010	0.00009	0.00008	0.00008	0.00007	0.00007	0.00006
3765085.71	0.00015	0.00011	0.00010	0.00009	0.00008	0.00008	0.00008	0.00007	0.00006
3764988.57	0.00015	0.00011	0.00009	0.00009	0.00008	0.00007	0.00007	0.00007	0.00006
3764891.43	0.00015	0.00012	0.00010	0.00009	0.00008	0.00007	0.00007	0.00006	0.00006
3764794.29	0.00016	0.00014	0.00012	0.00010	0.00008	0.00007	0.00006	0.00006	0.00006
3764697.15	0.00015	0.00014	0.00012	0.00011	0.00009	0.00008	0.00007	0.00006	0.00006
3764600.01	0.00015	0.00013	0.00012	0.00010	0.00009	0.00007	0.00006	0.00006	0.00006
3764502.87	0.00014	0.00012	0.00011	0.00010	0.00008	0.00007	0.00006	0.00006	0.00006
3764405.73	0.00013	0.00012	0.00010	0.00010	0.00008	0.00007	0.00006	0.00006	0.00006
3764308.59	0.00012	0.00011	0.00010	0.00009	0.00008	0.00007	0.00006	0.00006	0.00005
3764211.45	0.00011	0.00011	0.00010	0.00009	0.00008	0.00007	0.00006	0.00006	0.00005
3764114.31	0.00009	0.00010	0.00010	0.00009	0.00008	0.00007	0.00006	0.00006	0.00005
3764017.17	0.00008	0.00010	0.00009	0.00009	0.00008	0.00007	0.00006	0.00006	0.00005
3763920.03	0.00008	0.00009	0.00009	0.00008	0.00008	0.00007	0.00006	0.00006	0.00005

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**MODELOPTs:  RegDFAULT  CONC          ELEV          URBAN
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*** THE ANNUAL AVERAGE CONCENTRATION VALUES AVERAGED OVER 5 YEARS FOR SOURCE GROUP: ALL ***
 INCLUDING SOURCE(S): FLARE1 , FLARE2 , FLARE3 , FLARE4 , FLARE5 ,
 FLARE6 , FLARE7 , FLARE8 , FLARE9 , FLARE10 , FLARE11 , FLARE12 , FLARE13 ,
 FLARE14 , FLARE15 , FLARE16 , FLARE17 , FLARE18 , FLARE19 , FLARE20 , FLARE21 ,
 FLARE22 , FLARE23 , FLARE24 ,

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

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

Y-COORD (METERS)	407580.72	407739.79	407898.86	X-COORD (METERS)
3765862.83	0.00007	0.00007	0.00006	
3765765.69	0.00007	0.00006	0.00006	
3765668.55	0.00006	0.00006	0.00006	
3765571.41	0.00006	0.00006	0.00005	
3765474.27	0.00006	0.00006	0.00005	
3765377.13	0.00006	0.00006	0.00006	
3765279.99	0.00006	0.00006	0.00005	
3765182.85	0.00006	0.00006	0.00005	
3765085.71	0.00006	0.00006	0.00005	
3764988.57	0.00006	0.00005	0.00005	
3764891.43	0.00006	0.00005	0.00005	
3764794.29	0.00006	0.00005	0.00005	
3764697.15	0.00006	0.00006	0.00005	
3764600.01	0.00006	0.00006	0.00005	
3764502.87	0.00005	0.00005	0.00005	
3764405.73	0.00005	0.00005	0.00005	
3764308.59	0.00005	0.00005	0.00005	
3764211.45	0.00005	0.00005	0.00005	
3764114.31	0.00005	0.00005	0.00005	
3764017.17	0.00005	0.00005	0.00005	
3763920.03	0.00005	0.00005	0.00005	

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 **MODELOPTs: RegDEFAULT CONC ELEV URBAN PAGE 18

*** THE ANNUAL AVERAGE CONCENTRATION VALUES AVERAGED OVER 5 YEARS FOR SOURCE GROUP: ALL ***
 INCLUDING SOURCE(S): FLARE1 , FLARE2 , FLARE3 , FLARE4 , FLARE5 ,
 FLARE6 , FLARE7 , FLARE8 , FLARE9 , FLARE10 , FLARE11 , FLARE12 , FLARE13 ,
 FLARE14 , FLARE15 , FLARE16 , FLARE17 , FLARE18 , FLARE19 , FLARE20 , FLARE21 ,
 FLARE22 , FLARE23 , FLARE24 ,

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

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

**

X-COORD (M)	Y-COORD (M)	CONC	X-COORD (M)	Y-COORD (M)	CONC
405475.87	3765283.33	0.00225	405487.28	3765227.63	0.00122
405496.83	3765177.10	0.00114	405361.06	3765124.16	0.00108
405556.64	3765179.21	0.00096	405516.99	3765024.87	0.00048
405795.26	3765005.20	0.00025	406083.86	3765241.01	0.00017
406158.41	3764974.02	0.00014	405659.63	3764787.39	0.00021
405927.52	3765602.51	0.00051			

*** AERMOD - VERSION 15181 *** C:\Lakes\AERMOD View\6351 Puente Hills Landfill Park\6351 Puente Hil *** 04/20/16
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**MODELOPTs: RegDEFAULT CONC ELEV URBAN

*** THE 1ST HIGHEST 1-HR AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: ALL ***
 INCLUDING SOURCE(S): FLARE1 , FLARE2 , FLARE3 , FLARE4 , FLARE5 ,
 FLARE6 , FLARE7 , FLARE8 , FLARE9 , FLARE10 , FLARE11 , FLARE12 , FLARE13 ,
 FLARE14 , FLARE15 , FLARE16 , FLARE17 , FLARE18 , FLARE19 , FLARE20 , FLARE21 ,
 FLARE22 , FLARE23 , FLARE24 ,

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

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

**

Y-COORD (METERS)	404717.46	404876.53	X-COORD (METERS)	405035.60	405194.67	405353.74
3765862.8	0.00867 (08010421)	0.00975 (08010422)	0.01171 (08012705)	0.01339 (10122017)	0.01353 (08010501)	
3765765.7	0.00880 (08010421)	0.01132 (08010421)	0.01340 (08010422)	0.01585 (10122017)	0.01737 (08010501)	
3765668.5	0.00781 (08010421)	0.01202 (08010421)	0.01565 (08010422)	0.01842 (08010423)	0.02289 (08010501)	
3765571.4	0.00784 (08012421)	0.01040 (08010421)	0.01691 (08010421)	0.02331 (08010422)	0.03047 (08010501)	
3765474.3	0.00806 (12041104)	0.00847 (08012421)	0.01396 (08010421)	0.02722 (08010422)	0.04594 (08010424)	
3765377.1	0.00951 (11032018)	0.01069 (11032018)	0.01164 (12042514)	0.02762 (10100512)	0.09345 (08010424)	
3765280.0	0.01194 (11032018)	0.01543 (11032018)	0.01954 (11032018)	0.03151 (10102712)	0.03996 (08101709)	
3765182.8	0.01148 (11032018)	0.01447 (11032018)	0.01824 (08022207)	0.04196 (11120103)	0.07129 (11120103)	
3765085.7	0.01138 (08022207)	0.01521 (08022207)	0.02459 (11120103)	0.04884 (08012701)	0.04481 (08010701)	
3764988.6	0.01116 (08022207)	0.01265 (08022207)	0.02239 (08012701)	0.03540 (08012620)	0.02072 (08010701)	
3764891.4	0.00889 (08022207)	0.01181 (08012620)	0.01872 (08012620)	0.03058 (08010701)	0.03017 (09060302)	
3764794.3	0.00862 (08012624)	0.01220 (08012624)	0.01560 (08112604)	0.02349 (08010701)	0.02086 (09060302)	
3764697.1	0.00916 (08012624)	0.01114 (08012619)	0.01547 (08022206)	0.01422 (08010623)	0.01352 (10120518)	
3764600.0	0.00863 (08012624)	0.00995 (08112604)	0.01446 (08022206)	0.01195 (09060302)	0.01357 (09060302)	
3764502.9	0.00791 (08022323)	0.00874 (12030705)	0.01175 (08022206)	0.01234 (09060302)	0.01391 (09060302)	
3764405.7	0.00722 (12030705)	0.00815 (08022206)	0.01011 (08010623)	0.01192 (09060302)	0.01200 (09060302)	
3764308.6	0.00691 (12030705)	0.00809 (08010623)	0.00865 (08010623)	0.01107 (09060302)	0.01023 (09060302)	
3764211.4	0.00758 (12030705)	0.00852 (08010623)	0.00767 (09060302)	0.01017 (09060302)	0.00843 (09060302)	
3764114.3	0.00694 (08010623)	0.00675 (08010623)	0.00744 (09060302)	0.00929 (09060302)	0.00753 (09060302)	

3764017.2		0.00523 (08010623)	0.00517 (08010623)	0.00709 (09060302)	0.00847 (09060302)	0.00654 (09060302)
3763920.0		0.00474 (08010623)	0.00444 (08010623)	0.00702 (09060302)	0.00832 (09060302)	0.00543 (09060302)

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*** AERMET - VERSION 14134 ***	*** Benzene ***	11:58:42
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**MODELOPTs: RegDEFAULT CONC ELEV URBAN

*** THE 1ST HIGHEST 1-HR AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: ALL ***
INCLUDING SOURCE(S): FLARE1 , FLARE2 , FLARE3 , FLARE4 , FLARE5 ,
FLARE6 , FLARE7 , FLARE8 , FLARE9 , FLARE10 , FLARE11 , FLARE12 , FLARE13 ,
FLARE14 , FLARE15 , FLARE16 , FLARE17 , FLARE18 , FLARE19 , FLARE20 , FLARE21 ,
FLARE22 , FLARE23 , FLARE24 ,

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

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

Y-COORD (METERS)	405512.81	405671.88	X-COORD (METERS) 405830.95	405990.02	406149.09	
3765862.8		0.01405 (10033118)	0.01284 (10042118)	0.01103 (11102318)	0.00952 (12041318)	0.00877 (12090919)
3765765.7		0.01634 (10033118)	0.01568 (10042118)	0.01203 (08020318)	0.01071 (12090919)	0.00881 (12090919)
3765668.5		0.01850 (10033118)	0.01807 (10042118)	0.01322 (12041318)	0.01118 (12090919)	0.00971 (12031819)
3765571.4		0.02386 (10042118)	0.01761 (10042118)	0.01385 (12090919)	0.01215 (12031818)	0.00979 (12031818)
3765474.3		0.03304 (10042118)	0.01615 (12121813)	0.01476 (12031818)	0.01163 (12031818)	0.00806 (12031818)
3765377.1		0.03984 (08052114)	0.02062 (12031815)	0.01173 (12031818)	0.00763 (12031818)	0.00551 (10123010)
3765280.0		0.04290 (12012113)	0.02732 (12111014)	0.01265 (12111014)	0.00844 (10122923)	0.00730 (10122923)
3765182.8		0.04367 (09022810)	0.02534 (10122923)	0.02109 (10122923)	0.01514 (10122923)	0.01394 (10122923)
3765085.7		0.03337 (09011809)	0.02046 (10112810)	0.02152 (10122923)	0.01987 (10122923)	0.01476 (10122923)
3764988.6		0.02515 (09011808)	0.01631 (11111008)	0.01811 (09102718)	0.01271 (10122923)	0.01118 (11030721)
3764891.4		0.02187 (10010903)	0.01800 (12121819)	0.02031 (09102718)	0.01404 (09102718)	0.01062 (10120102)
3764794.3		0.01346 (10010903)	0.01781 (10110404)	0.01503 (12121818)	0.01102 (09102718)	0.01327 (08122103)
3764697.1		0.00989 (10010903)	0.01420 (09011807)	0.01430 (08122803)	0.01459 (09012705)	0.01266 (10011108)
3764600.0		0.01090 (08011224)	0.01643 (09040502)	0.01490 (11022802)	0.01358 (08112603)	0.01188 (09030706)
3764502.9		0.01076 (08011224)	0.01496 (12101721)	0.01362 (10111323)	0.01233 (09011022)	0.01126 (10110523)
3764405.7		0.00946 (08011224)	0.01316 (08121022)	0.01249 (10121119)	0.01153 (12101501)	0.01044 (08112603)
3764308.6		0.00831 (08011224)	0.01190 (12010208)	0.01144 (08100624)	0.01033 (08011420)	0.00981 (10123101)
3764211.4		0.00723 (08011224)	0.01067 (08032304)	0.01039 (09040502)	0.00927 (10030504)	0.00867 (08122803)
3764114.3		0.00594 (08011224)	0.00972 (09011423)	0.00871 (10111204)	0.00637 (10110404)	0.00599 (08121003)
3764017.2		0.00456 (11012704)	0.00760 (09011423)	0.00603 (10111204)	0.00658 (09011808)	0.00533 (09011808)
3763920.0		0.00353 (11012704)	0.00498 (09011423)	0.00476 (10123106)	0.00605 (09011808)	0.00520 (09011808)

*** AERMOD - VERSION 15181 ***	*** C:\Lakes\AERMOD View\6351 Puente Hills Landfill Park\6351 Puente Hil ***	04/20/16
*** AERMET - VERSION 14134 ***	*** Benzene ***	11:58:42
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**MODELOPTs: RegDEFAULT CONC ELEV URBAN

*** THE 1ST HIGHEST 1-HR AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: ALL ***
INCLUDING SOURCE(S): FLARE1 , FLARE2 , FLARE3 , FLARE4 , FLARE5 ,

FLARE6 , FLARE7 , FLARE8 , FLARE9 , FLARE10 , FLARE11 , FLARE12 , FLARE13 ,
FLARE14 , FLARE15 , FLARE16 , FLARE17 , FLARE18 , FLARE19 , FLARE20 , FLARE21 ,
FLARE22 , FLARE23 , FLARE24 ,

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

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

**

Y-COORD (METERS)	406308.16	406467.23	X-COORD (METERS) 406626.30	406785.37	406944.44
3765862.8	0.00707 (12031819)	0.00658 (12031819)	0.00568 (12031819)	0.00486 (10102806)	0.00451 (10102806)
3765765.7	0.00795 (12031819)	0.00671 (12031819)	0.00554 (10102806)	0.00506 (10102806)	0.00449 (10102806)
3765668.5	0.00802 (12031818)	0.00630 (12031818)	0.00561 (10102806)	0.00487 (10102806)	0.00427 (10102806)
3765571.4	0.00728 (12031818)	0.00605 (10102806)	0.00511 (10102806)	0.00429 (10102806)	0.00457 (10102806)
3765474.3	0.00611 (10102806)	0.00508 (10102806)	0.00412 (10102806)	0.00426 (10110817)	0.00501 (10110817)
3765377.1	0.00504 (10110817)	0.00629 (10110817)	0.00476 (10110817)	0.00550 (10110817)	0.00541 (10110817)
3765280.0	0.00754 (10122923)	0.00656 (10110817)	0.00555 (10110817)	0.00583 (10110817)	0.00547 (10110817)
3765182.8	0.01075 (10122923)	0.00859 (10122923)	0.00696 (10122923)	0.00559 (10122923)	0.00520 (10110817)
3765085.7	0.01326 (10122923)	0.01063 (10122923)	0.00860 (10122923)	0.00686 (10122923)	0.00590 (11030722)
3764988.6	0.01178 (10122923)	0.01088 (10122923)	0.00883 (10122923)	0.00749 (10122923)	0.00640 (10122923)
3764891.4	0.00787 (09102717)	0.00790 (11030721)	0.00710 (08052119)	0.00701 (08052119)	0.00667 (10122923)
3764794.3	0.01142 (10113005)	0.01007 (08122002)	0.00797 (10012307)	0.00580 (11030721)	0.00606 (08052119)
3764697.1	0.01109 (08042801)	0.00987 (10102719)	0.00865 (12030702)	0.00585 (08122002)	0.00515 (11030721)
3764600.0	0.01057 (10011108)	0.00938 (08042801)	0.00832 (10102719)	0.00624 (10113005)	0.00460 (09102717)
3764502.9	0.00988 (09070623)	0.00895 (09092905)	0.00798 (08042801)	0.00571 (11022803)	0.00497 (09102721)
3764405.7	0.00937 (08112807)	0.00858 (09070623)	0.00761 (09092905)	0.00501 (08122103)	0.00533 (09102721)
3764308.6	0.00881 (10110523)	0.00798 (09030706)	0.00728 (09111106)	0.00528 (08012607)	0.00512 (09102721)
3764211.4	0.00816 (08112603)	0.00769 (09122001)	0.00702 (08031106)	0.00633 (11021806)	0.00491 (09102718)
3764114.3	0.00804 (08122001)	0.00728 (08112107)	0.00674 (08112807)	0.00625 (08122101)	0.00465 (09102718)
3764017.2	0.00764 (08122803)	0.00694 (08111406)	0.00656 (10110523)	0.00602 (08013106)	0.00457 (08122101)
3763920.0	0.00709 (09121606)	0.00655 (08122708)	0.00617 (09030206)	0.00574 (08112807)	0.00514 (08013106)

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*** AERMET - VERSION 14134 *** Benzene ***

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**MODELOPTs: RegDEFAULT CONC ELEV URBAN

*** THE 1ST HIGHEST 1-HR AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: ALL ***
INCLUDING SOURCE(S): FLARE1 , FLARE2 , FLARE3 , FLARE4 , FLARE5 ,
FLARE6 , FLARE7 , FLARE8 , FLARE9 , FLARE10 , FLARE11 , FLARE12 , FLARE13 ,
FLARE14 , FLARE15 , FLARE16 , FLARE17 , FLARE18 , FLARE19 , FLARE20 , FLARE21 ,
FLARE22 , FLARE23 , FLARE24 ,

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

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

**

Y-COORD (METERS)	407103.51	407262.58	X-COORD (METERS) 407421.65	407580.72	407739.79

3765862.8	0.00408	(10102806)	0.00364	(10102806)	0.00323	(10102806)	0.00285	(10102806)	0.00252	(10102806)
3765765.7	0.00393	(10102806)	0.00342	(10102806)	0.00298	(10102806)	0.00260	(10102806)	0.00227	(12081020)
3765668.5	0.00358	(10102806)	0.00307	(10102806)	0.00266	(10102806)	0.00248	(10110817)	0.00239	(10110817)
3765571.4	0.00334	(10110817)	0.00329	(10110817)	0.00325	(10110817)	0.00279	(10110817)	0.00264	(10110817)
3765474.3	0.00478	(10110817)	0.00451	(10110817)	0.00425	(10110817)	0.00326	(10110817)	0.00293	(10110817)
3765377.1	0.00509	(10110817)	0.00478	(10110817)	0.00448	(10110817)	0.00410	(10110817)	0.00358	(10110817)
3765280.0	0.00511	(10110817)	0.00481	(10110817)	0.00448	(10110817)	0.00414	(10110817)	0.00386	(10110817)
3765182.8	0.00484	(10110817)	0.00415	(10110817)	0.00409	(10110817)	0.00384	(10110817)	0.00359	(10110817)
3765085.7	0.00491	(11030722)	0.00425	(09113004)	0.00421	(11030722)	0.00395	(11030722)	0.00363	(11030722)
3764988.6	0.00547	(10122923)	0.00500	(11030722)	0.00460	(11030722)	0.00420	(11030722)	0.00387	(11030722)
3764891.4	0.00613	(10122923)	0.00537	(10122923)	0.00460	(10122923)	0.00420	(12121821)	0.00390	(11030722)
3764794.3	0.00590	(10122923)	0.00537	(10122923)	0.00454	(08052119)	0.00393	(12121821)	0.00387	(12121821)
3764697.1	0.00549	(08052119)	0.00519	(08052119)	0.00478	(08052119)	0.00387	(08011406)	0.00365	(08052119)
3764600.0	0.00476	(08052119)	0.00478	(08052119)	0.00461	(08052119)	0.00403	(11030721)	0.00373	(08052119)
3764502.9	0.00400	(08052119)	0.00420	(08052119)	0.00408	(08052119)	0.00400	(08052119)	0.00381	(11030721)
3764405.7	0.00443	(09102721)	0.00385	(09102721)	0.00349	(08052119)	0.00362	(11030721)	0.00357	(08052119)
3764308.6	0.00477	(09102721)	0.00417	(09102721)	0.00345	(09102721)	0.00284	(09102721)	0.00277	(11030721)
3764211.4	0.00463	(09102721)	0.00427	(09102721)	0.00390	(09102721)	0.00338	(09102721)	0.00276	(09102721)
3764114.3	0.00408	(09102718)	0.00424	(09102721)	0.00399	(09102721)	0.00366	(09102721)	0.00333	(09102721)
3764017.2	0.00412	(09102718)	0.00385	(09102718)	0.00387	(09102721)	0.00366	(09102721)	0.00338	(09102721)
3763920.0	0.00387	(09102807)	0.00407	(09102718)	0.00380	(09102718)	0.00335	(09102721)	0.00295	(09102721)

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**MODELOPTs: RegDEFAULT CONC ELEV URBAN

*** THE 1ST HIGHEST 1-HR AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: ALL ***
 INCLUDING SOURCE(S): FLARE1 , FLARE2 , FLARE3 , FLARE4 , FLARE5 ,
 FLARE6 , FLARE7 , FLARE8 , FLARE9 , FLARE10 , FLARE11 , FLARE12 , FLARE13 ,
 FLARE14 , FLARE15 , FLARE16 , FLARE17 , FLARE18 , FLARE19 , FLARE20 , FLARE21 ,
 FLARE22 , FLARE23 , FLARE24 ,

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

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

Y-COORD (METERS)	X-COORD (METERS)
407898.86	

3765862.8	0.00226	(12081020)
3765765.7	0.00204	(10110817)
3765668.5	0.00229	(10110817)
3765571.4	0.00249	(10110817)
3765474.3	0.00270	(10110817)
3765377.1	0.00334	(10110817)
3765280.0	0.00361	(10110817)
3765182.8	0.00340	(10110817)

3765085.7 | 0.00337 (11030722)
3764988.6 | 0.00359 (11030722)
3764891.4 | 0.00362 (11030722)
3764794.3 | 0.00362 (12121821)
3764697.1 | 0.00370 (08052119)
3764600.0 | 0.00376 (08052119)
3764502.9 | 0.00371 (08052119)
3764405.7 | 0.00343 (11030721)
3764308.6 | 0.00263 (11030721)
3764211.4 | 0.00232 (11030721)
3764114.3 | 0.00240 (09102721)
3764017.2 | 0.00251 (09102721)
3763920.0 | 0.00256 (09102721)

*** AERMOD - VERSION 15181 *** C:\Lakes\AERMOD View\6351 Puente Hills Landfill Park\6351 Puente Hil *** 04/20/16
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**MODELOPTs: RegDEFAULT CONC ELEV URBAN

*** THE 1ST HIGHEST 1-HR AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: ALL ***
INCLUDING SOURCE(S): FLARE1 , FLARE2 , FLARE3 , FLARE4 , FLARE5 ,
FLARE6 , FLARE7 , FLARE8 , FLARE9 , FLARE10 , FLARE11 , FLARE12 , FLARE13 ,
FLARE14 , FLARE15 , FLARE16 , FLARE17 , FLARE18 , FLARE19 , FLARE20 , FLARE21 ,
FLARE22 , FLARE23 , FLARE24 ,

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

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

**

X-COORD (M)	Y-COORD (M)	CONC	(YYMMDDHH)	X-COORD (M)	Y-COORD (M)	CONC	(YYMMDDHH)
405475.87	3765283.33	0.04506	(10012115)	405487.28	3765227.63	0.03373	(12080612)
405496.83	3765177.10	0.04678	(10102809)	405361.06	3765124.16	0.04524	(08010701)
405556.64	3765179.21	0.03949	(12071216)	405516.99	3765024.87	0.02565	(08031008)
405795.26	3765005.20	0.01868	(09102718)	406083.86	3765241.01	0.00960	(10122923)
406158.41	3764974.02	0.01051	(11030721)	405659.63	3764787.39	0.01804	(10110404)
405927.52	3765602.51	0.01195	(12090919)				

*** AERMOD - VERSION 15181 *** C:\Lakes\AERMOD View\6351 Puente Hills Landfill Park\6351 Puente Hil *** 04/20/16
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**MODELOPTs: RegDEFAULT CONC ELEV URBAN

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

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

**

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

ALL	1ST HIGHEST VALUE IS	0.00275 AT (	405512.81,	3765377.13,	138.00,	308.00,	0.00)	GC	UCART1
	2ND HIGHEST VALUE IS	0.00225 AT (	405475.87,	3765283.33,	178.49,	306.00,	0.00)	DC	
	3RD HIGHEST VALUE IS	0.00212 AT (	405512.81,	3765474.27,	122.70,	311.00,	0.00)	GC	UCART1
	4TH HIGHEST VALUE IS	0.00210 AT (	405353.74,	3765377.13,	180.70,	305.00,	0.00)	GC	UCART1
	5TH HIGHEST VALUE IS	0.00186 AT (	405512.81,	3765279.99,	174.60,	306.00,	0.00)	GC	UCART1
	6TH HIGHEST VALUE IS	0.00157 AT (	405353.74,	3765474.27,	163.10,	306.00,	0.00)	GC	UCART1
	7TH HIGHEST VALUE IS	0.00149 AT (	405512.81,	3765571.41,	117.00,	311.00,	0.00)	GC	UCART1
	8TH HIGHEST VALUE IS	0.00144 AT (	405353.74,	3765182.85,	181.90,	306.00,	0.00)	GC	UCART1
	9TH HIGHEST VALUE IS	0.00143 AT (	405353.74,	3765279.99,	181.00,	305.00,	0.00)	GC	UCART1
	10TH HIGHEST VALUE IS	0.00127 AT (	405671.88,	3765474.27,	125.40,	311.00,	0.00)	GC	UCART1

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

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**MODELOPTs: RegDEFAULT CONC ELEV URBAN

*** THE SUMMARY OF HIGHEST 1-HR RESULTS ***

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

GROUP ID		AVERAGE CONC	DATE (YYMMDDHH)	RECEPTOR (XR, YR, ZELEV, ZHILL, ZFLAG)	OF TYPE	NETWORK GRID-ID
ALL	HIGH 1ST HIGH VALUE IS	0.09345	ON 08010424: AT (	405353.74, 3765377.13, 180.70, 305.00,	0.00)	GC UCART1

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

*** AERMOD - VERSION	15181 ***	*** C:\Lakes\AERMOD View\6351 Puente Hills Landfill Park\6351 Puente Hil	***	04/20/16
*** AERMET - VERSION	14134 ***	*** Benzene	***	11:58:42
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**MODELOPTs: RegDEFAULT CONC ELEV URBAN

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

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

A Total of	0 Fatal Error Message(s)
A Total of	0 Warning Message(s)

A Total of 1222 Informational Message(s)
A Total of 43848 Hours Were Processed
A Total of 13 Calm Hours Identified
A Total of 1209 Missing Hours Identified (2.76 Percent)

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

***** WARNING MESSAGES *****
*** NONE ***

*** AERMOD Finishes Successfully ***

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** Lakes Environmental AERMOD MPI
**
*****
**
** AERMOD Input Produced by:
** AERMOD View Ver. 9.1.0
** Lakes Environmental Software Inc.
** Date: 4/20/2016
** File: C:\Lakes\AERMOD View\Puente Hills LFP Cadmium\Puente Hills LFP Cadmium.ADI
**
*****
**
**
*****
** AERMOD Control Pathway
*****
**
**
CO STARTING
  TITLEONE C:\Lakes\AERMOD View\6351 Puente Hills Landfill Park\6351 Puente Hil
  TITLETWO Cadmium
  MODELOPT DFAULT CONC
  AVERTIME 1 ANNUAL
  URBANOPT 9862049 Los_Angeles_County
  POLLUTID CADMIUM
  RUNORNOT RUN
  ERRORFIL "Puente Hills LFP Cadmium.err"
CO FINISHED
**
*****
** AERMOD Source Pathway
*****
**
**
SO STARTING
** Source Location **
** Source ID - Type - X Coord. - Y Coord. **
  LOCATION FLARE1      POINT      405412.404  3765266.480  181.580
** DESCRSRC Flares (24 total)
  LOCATION FLARE2      POINT      405417.595  3765268.614  181.640
** DESCRSRC Flares (24 total)
  LOCATION FLARE3      POINT      405415.440  3765263.023  181.620
** DESCRSRC Flares (24 total)
  LOCATION FLARE4      POINT      405420.770  3765264.143  181.690
** DESCRSRC Flares (24 total)
  LOCATION FLARE5      POINT      405417.256  3765258.874  181.640
** DESCRSRC Flares (24 total)
  LOCATION FLARE6      POINT      405423.409  3765260.689  181.720
** DESCRSRC Flares (24 total)
  LOCATION FLARE7      POINT      405418.220  3765254.700  181.650
** DESCRSRC Flares (24 total)

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LOCATION	FLARE8	POINT	405426.799	3765256.850	181.770
** DESCRSRC	Flares (24 total)				
LOCATION	FLARE9	POINT	405420.223	3765250.883	181.680
** DESCRSRC	Flares (24 total)				
LOCATION	FLARE10	POINT	405429.052	3765252.454	181.800
** DESCRSRC	Flares (24 total)				
LOCATION	FLARE11	POINT	405423.375	3765246.684	181.720
** DESCRSRC	Flares (24 total)				
LOCATION	FLARE12	POINT	405431.589	3765249.405	181.830
** DESCRSRC	Flares (24 total)				
LOCATION	FLARE13	POINT	405427.483	3765241.984	181.780
** DESCRSRC	Flares (24 total)				
LOCATION	FLARE14	POINT	405433.797	3765244.836	181.860
** DESCRSRC	Flares (24 total)				
LOCATION	FLARE15	POINT	405430.394	3765236.806	181.820
** DESCRSRC	Flares (24 total)				
LOCATION	FLARE16	POINT	405436.611	3765241.272	181.900
** DESCRSRC	Flares (24 total)				
LOCATION	FLARE17	POINT	405433.570	3765232.416	181.860
** DESCRSRC	Flares (24 total)				
LOCATION	FLARE18	POINT	405439.798	3765236.907	181.940
** DESCRSRC	Flares (24 total)				
LOCATION	FLARE19	POINT	405436.746	3765227.834	181.900
** DESCRSRC	Flares (24 total)				
LOCATION	FLARE20	POINT	405442.425	3765233.337	181.970
** DESCRSRC	Flares (24 total)				
LOCATION	FLARE21	POINT	405440.173	3765223.711	181.940
** DESCRSRC	Flares (24 total)				
LOCATION	FLARE22	POINT	405445.453	3765228.464	181.980
** DESCRSRC	Flares (24 total)				
LOCATION	FLARE23	POINT	405442.883	3765219.270	181.980
** DESCRSRC	Flares (24 total)				
LOCATION	FLARE24	POINT	405449.335	3765223.937	181.930
** DESCRSRC	Flares (24 total)				
** Source Parameters **					
SRCPARAM	FLARE1	1.1986E-09	10.226	1088.706	4.245 2.530
SRCPARAM	FLARE2	1.1986E-09	10.226	1088.706	4.245 2.530
SRCPARAM	FLARE3	1.1986E-09	10.226	1088.706	4.245 2.530
SRCPARAM	FLARE4	1.1986E-09	10.226	1088.706	4.245 2.530
SRCPARAM	FLARE5	1.1986E-09	10.226	1088.706	4.245 2.530
SRCPARAM	FLARE6	1.1986E-09	10.226	1088.706	4.245 2.530
SRCPARAM	FLARE7	1.1986E-09	10.226	1088.706	4.245 2.530
SRCPARAM	FLARE8	1.1986E-09	10.226	1088.706	4.245 2.530
SRCPARAM	FLARE9	1.1986E-09	10.226	1088.706	4.245 2.530
SRCPARAM	FLARE10	1.1986E-09	10.226	1088.706	4.245 2.530
SRCPARAM	FLARE11	1.1986E-09	10.226	1088.706	4.245 2.530
SRCPARAM	FLARE12	1.1986E-09	10.226	1088.706	4.245 2.530
SRCPARAM	FLARE13	1.1986E-09	10.226	1088.706	4.245 2.530
SRCPARAM	FLARE14	1.1986E-09	10.226	1088.706	4.245 2.530
SRCPARAM	FLARE15	1.1986E-09	10.226	1088.706	4.245 2.530
SRCPARAM	FLARE16	1.1986E-09	10.226	1088.706	4.245 2.530

SRCPARAM	FLARE17	1.1986E-09	10.226	1088.706	4.245	2.530
SRCPARAM	FLARE18	1.1986E-09	10.226	1088.706	4.245	2.530
SRCPARAM	FLARE19	1.1986E-09	10.226	1088.706	4.245	2.530
SRCPARAM	FLARE20	1.1986E-09	10.226	1088.706	4.245	2.530
SRCPARAM	FLARE21	1.1986E-09	10.226	1088.706	4.245	2.530
SRCPARAM	FLARE22	1.1986E-09	10.226	1088.706	4.245	2.530
SRCPARAM	FLARE23	1.1986E-09	10.226	1088.706	4.245	2.530
SRCPARAM	FLARE24	1.1986E-09	10.226	1088.706	4.245	2.530
URBANSRC	ALL					
SRCGROUP	ALL					

SO FINISHED
**

** AERMOD Receptor Pathway

**
**
RE STARTING
INCLUDED "Puente Hills LFP Cadmium.rou"
RE FINISHED
**

** AERMOD Meteorology Pathway

**
**
ME STARTING
SURFFILE "C:\Users\Kate Wilson\Desktop\Met data\pico8.sfc"
PROFFILE "C:\Users\Kate Wilson\Desktop\Met data\pico8.PFL"
SURFDATA 0 2008
UAIRDATA 3190 2008
SITEDATA 99999 2008
PROFBASE 58.0 METERS
ME FINISHED
**

** AERMOD Output Pathway

**
**
OU STARTING
RECTABLE ALLAVE 1ST
RECTABLE 1 1ST
** Auto-Generated Plotfiles
PLOTFILE 1 ALL 1ST "PUENTE HILLS LFP CADMIUM.AD\01H1GALL.PLT" 31
PLOTFILE ANNUAL ALL "PUENTE HILLS LFP CADMIUM.AD\AN00GALL.PLT" 32
SUMMFILE "Puente Hills LFP Cadmium.sum"
OU FINISHED

*** SETUP Finishes Successfully ***

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**MODELOPTs: RegDEFAULT CONC ELEV URBAN

*** MODEL SETUP OPTIONS SUMMARY ***

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

-- DEPOSITION LOGIC --

**NO GAS DEPOSITION Data Provided.

**NO PARTICLE DEPOSITION Data Provided.

**Model Uses NO DRY DEPLETION. DRYDPLT = F

**Model Uses NO WET DEPLETION. WETDPLT = F

**Model Uses URBAN Dispersion Algorithm for the SBL for 24 Source(s),
for Total of 1 Urban Area(s):
Urban Population = 9862049.0 ; Urban Roughness Length = 1.000 m

**Model Uses Regulatory DEFAULT Options:

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

**Other Options Specified:

TEMP_Sub - Meteorological data includes TEMP substitutions

**Model Assumes No FLAGPOLE Receptor Heights.

**The User Specified a Pollutant Type of: CADMIUM

**Model Calculates 1 Short Term Average(s) of: 1-HR
and Calculates ANNUAL Averages

**This Run Includes: 24 Source(s); 1 Source Group(s); and 452 Receptor(s)

with: 24 POINT(s), including
0 POINTCAP(s) and 0 POINTHOR(s)
and: 0 VOLUME source(s)
and: 0 AREA type source(s)
and: 0 LINE source(s)
and: 0 OPENPIT source(s)

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

**The AERMET Input Meteorological Data Version Date: 14134

**Output Options Selected:

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

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

**Misc. Inputs: Base Elev. for Pot. Temp. Profile (m MSL) = 58.00 ; 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: Puente Hills LFP Cadmium.err

**File for Summary of Results: Puente Hills LFP Cadmium.sum

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**MODELOPTs: RegDEFAULT CONC ELEV URBAN

*** POINT SOURCE DATA ***

SOURCE ID	NUMBER PART. CATS.	EMISSION RATE (GRAMS/SEC)	X (METERS)	Y (METERS)	BASE ELEV. (METERS)	STACK HEIGHT (METERS)	STACK TEMP. (DEG.K)	STACK EXIT VEL. (M/SEC)	STACK DIAMETER (METERS)	BLDG EXISTS	URBAN SOURCE	CAP/ HOR	EMIS RATE SCALAR VARY BY
FLARE1	0	0.11986E-08	405412.4	3765266.5	181.6	10.23	1088.71	4.25	2.53	NO	YES	NO	
FLARE2	0	0.11986E-08	405417.6	3765268.6	181.6	10.23	1088.71	4.25	2.53	NO	YES	NO	
FLARE3	0	0.11986E-08	405415.4	3765263.0	181.6	10.23	1088.71	4.25	2.53	NO	YES	NO	
FLARE4	0	0.11986E-08	405420.8	3765264.1	181.7	10.23	1088.71	4.25	2.53	NO	YES	NO	
FLARE5	0	0.11986E-08	405417.3	3765258.9	181.6	10.23	1088.71	4.25	2.53	NO	YES	NO	
FLARE6	0	0.11986E-08	405423.4	3765260.7	181.7	10.23	1088.71	4.25	2.53	NO	YES	NO	
FLARE7	0	0.11986E-08	405418.2	3765254.7	181.7	10.23	1088.71	4.25	2.53	NO	YES	NO	
FLARE8	0	0.11986E-08	405426.8	3765256.8	181.8	10.23	1088.71	4.25	2.53	NO	YES	NO	
FLARE9	0	0.11986E-08	405420.2	3765250.9	181.7	10.23	1088.71	4.25	2.53	NO	YES	NO	
FLARE10	0	0.11986E-08	405429.1	3765252.5	181.8	10.23	1088.71	4.25	2.53	NO	YES	NO	
FLARE11	0	0.11986E-08	405423.4	3765246.7	181.7	10.23	1088.71	4.25	2.53	NO	YES	NO	
FLARE12	0	0.11986E-08	405431.6	3765249.4	181.8	10.23	1088.71	4.25	2.53	NO	YES	NO	
FLARE13	0	0.11986E-08	405427.5	3765242.0	181.8	10.23	1088.71	4.25	2.53	NO	YES	NO	
FLARE14	0	0.11986E-08	405433.8	3765244.8	181.9	10.23	1088.71	4.25	2.53	NO	YES	NO	
FLARE15	0	0.11986E-08	405430.4	3765236.8	181.8	10.23	1088.71	4.25	2.53	NO	YES	NO	

FLARE16	0	0.11986E-08	405436.6	3765241.3	181.9	10.23	1088.71	4.25	2.53	NO	YES	NO
FLARE17	0	0.11986E-08	405433.6	3765232.4	181.9	10.23	1088.71	4.25	2.53	NO	YES	NO
FLARE18	0	0.11986E-08	405439.8	3765236.9	181.9	10.23	1088.71	4.25	2.53	NO	YES	NO
FLARE19	0	0.11986E-08	405436.7	3765227.8	181.9	10.23	1088.71	4.25	2.53	NO	YES	NO
FLARE20	0	0.11986E-08	405442.4	3765233.3	182.0	10.23	1088.71	4.25	2.53	NO	YES	NO
FLARE21	0	0.11986E-08	405440.2	3765223.7	181.9	10.23	1088.71	4.25	2.53	NO	YES	NO
FLARE22	0	0.11986E-08	405445.5	3765228.5	182.0	10.23	1088.71	4.25	2.53	NO	YES	NO
FLARE23	0	0.11986E-08	405442.9	3765219.3	182.0	10.23	1088.71	4.25	2.53	NO	YES	NO
FLARE24	0	0.11986E-08	405449.3	3765223.9	181.9	10.23	1088.71	4.25	2.53	NO	YES	NO

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**MODELOPTs: RegDEFAULT CONC ELEV URBAN

*** SOURCE IDs DEFINING SOURCE GROUPS ***

SRCGROUP ID	SOURCE IDs															
-----	-----															
ALL	FLARE1	,	FLARE2	,	FLARE3	,	FLARE4	,	FLARE5	,	FLARE6	,	FLARE7	,	FLARE8	,
	FLARE9	,	FLARE10	,	FLARE11	,	FLARE12	,	FLARE13	,	FLARE14	,	FLARE15	,	FLARE16	,
	FLARE17	,	FLARE18	,	FLARE19	,	FLARE20	,	FLARE21	,	FLARE22	,	FLARE23	,	FLARE24	,

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**MODELOPTs: RegDEFAULT CONC ELEV URBAN

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

URBAN ID	URBAN POP	SOURCE IDs															
-----	-----	-----															
FLARE8	9862049.	FLARE1	,	FLARE2	,	FLARE3	,	FLARE4	,	FLARE5	,	FLARE6	,	FLARE7	,		
		FLARE9	,	FLARE10	,	FLARE11	,	FLARE12	,	FLARE13	,	FLARE14	,	FLARE15	,	FLARE16	,
		FLARE17	,	FLARE18	,	FLARE19	,	FLARE20	,	FLARE21	,	FLARE22	,	FLARE23	,	FLARE24	,

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**MODELOPTs: RegDEFAULT CONC ELEV URBAN

*** GRIDDED RECEPTOR NETWORK SUMMARY ***

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

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

404717.5, 404876.5, 405035.6, 405194.7, 405353.7, 405512.8, 405671.9, 405831.0, 405990.0, 406149.1,
406308.2, 406467.2, 406626.3, 406785.4, 406944.4, 407103.5, 407262.6, 407421.7, 407580.7, 407739.8,
407898.9,

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

3763920.0, 3764017.2, 3764114.3, 3764211.4, 3764308.6, 3764405.7, 3764502.9, 3764600.0, 3764697.1, 3764794.3,
3764891.4, 3764988.6, 3765085.7, 3765182.8, 3765280.0, 3765377.1, 3765474.3, 3765571.4, 3765668.5, 3765765.7,
3765862.8,

*** AERMOD - VERSION 15181 *** *** C:\Lakes\AERMOD View\6351 Puente Hills Landfill Park\6351 Puente Hil *** 04/20/16
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**MODELOPTs: RegDEFAULT CONC ELEV URBAN

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

* ELEVATION HEIGHTS IN METERS *

Y-COORD (METERS)	X-COORD (METERS)								
	404717.46	404876.53	405035.60	405194.67	405353.74	405512.81	405671.88	405830.95	405990.02
3765862.83	85.20	86.70	88.10	89.80	90.80	91.00	95.30	97.70	97.60
3765765.69	88.00	89.30	91.00	94.80	98.90	99.40	104.00	109.00	109.90
3765668.55	92.90	93.50	102.50	106.30	109.10	108.80	113.00	121.00	120.80
3765571.41	101.00	106.10	116.80	124.20	124.70	117.00	117.30	124.50	121.10
3765474.27	109.40	115.90	132.00	161.80	163.10	122.70	125.40	130.20	121.80
3765377.13	115.60	122.00	145.70	178.70	180.70	138.00	152.10	139.20	121.20
3765279.99	119.10	127.70	157.90	180.20	181.00	174.60	174.50	156.40	131.80
3765182.85	121.50	136.60	167.70	180.50	181.90	182.10	182.00	174.90	168.00
3765085.71	125.30	146.90	177.00	181.90	185.70	191.60	182.00	182.00	184.20
3764988.57	124.50	139.80	172.30	181.90	194.40	221.20	192.20	190.60	201.00
3764891.43	121.60	127.80	162.80	181.70	210.40	242.30	223.60	216.80	231.60
3764794.29	121.80	132.20	165.00	192.00	229.20	245.50	246.70	242.80	245.30
3764697.15	124.00	142.10	174.70	207.10	240.70	250.90	260.70	268.50	279.10
3764600.01	125.70	140.80	179.10	204.50	233.90	258.20	281.20	295.40	302.00
3764502.87	122.10	125.00	177.00	187.00	218.30	262.80	299.20	303.40	302.80
3764405.73	121.00	144.60	179.30	181.90	211.60	263.90	304.00	303.80	303.90
3764308.59	146.30	164.20	181.70	182.00	220.20	264.90	304.00	303.50	297.60
3764211.45	174.40	180.90	182.00	182.00	229.50	265.30	293.20	290.50	276.00
3764114.31	171.50	170.00	180.40	182.00	228.70	262.60	281.20	272.60	252.30

3764017.17		121.00	151.40	179.00	181.90	232.40	255.60	268.20	257.90	243.50
3763920.03		123.00	148.90	183.50	197.80	241.00	247.10	253.90	250.20	243.70

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**MODELOPTs: RegDEFAULT CONC ELEV URBAN

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

* ELEVATION HEIGHTS IN METERS *

Y-COORD (METERS)					X-COORD (METERS)					
		406149.09	406308.16	406467.23	406626.30	406785.37	406944.44	407103.51	407262.58	407421.65
3765862.83		91.80	88.90	87.90	93.00	98.60	102.20	99.00	97.50	94.70
3765765.69		101.30	95.70	95.00	99.00	108.40	112.80	108.00	105.20	105.70
3765668.55		111.90	109.30	110.60	113.00	126.00	147.00	130.70	131.70	135.30
3765571.41		118.80	121.20	120.30	117.90	133.60	177.80	156.80	158.40	161.60
3765474.27		126.50	144.40	151.70	127.90	164.20	183.80	183.70	183.30	185.80
3765377.13		138.10	167.60	180.80	156.00	177.30	192.30	195.70	197.70	200.80
3765279.99		161.50	182.70	185.20	172.90	188.80	199.00	201.20	209.50	212.90
3765182.85		191.40	193.30	190.10	192.50	202.60	219.30	231.20	250.40	236.10
3765085.71		229.10	207.40	194.10	206.00	216.30	231.40	250.90	256.80	244.90
3764988.57		243.20	225.30	214.60	225.80	226.50	226.20	227.40	232.10	232.10
3764891.43		255.60	246.70	243.80	247.20	236.80	225.50	210.80	214.80	226.80
3764794.29		277.90	279.40	280.10	270.10	251.20	238.70	215.80	203.70	239.10
3764697.15		297.40	300.80	302.60	288.20	261.50	248.70	223.20	195.80	225.90
3764600.01		303.50	304.00	305.10	297.60	265.00	247.90	222.20	190.60	198.40
3764502.87		303.90	303.50	303.50	298.20	262.00	240.50	208.40	185.40	184.50
3764405.73		303.80	302.50	301.00	295.80	257.30	233.20	207.70	179.10	177.00
3764308.59		293.60	300.30	299.40	296.50	262.00	233.10	223.50	184.50	173.70
3764211.45		277.00	295.40	303.20	302.20	278.10	241.70	237.60	209.30	190.90
3764114.31		258.70	290.30	306.90	307.60	289.30	250.60	252.50	235.30	211.20
3764017.17		244.30	289.20	303.10	304.30	294.80	262.20	253.10	244.20	212.60
3763920.03		251.70	287.60	300.70	299.50	297.00	274.70	257.00	234.70	215.20

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**MODELOPTs: RegDEFAULT CONC ELEV URBAN

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

* ELEVATION HEIGHTS IN METERS *

Y-COORD (METERS)				X-COORD (METERS)
		407580.72	407739.79	407898.86

3765862.83	87.60	83.40	78.20
3765765.69	102.50	97.50	91.70
3765668.55	116.90	112.80	103.10
3765571.41	129.10	121.80	114.90
3765474.27	156.60	146.00	138.50
3765377.13	182.60	174.00	173.40
3765279.99	203.70	197.40	195.90
3765182.85	227.90	226.10	206.00
3765085.71	234.50	231.90	205.50
3764988.57	220.40	210.80	196.60
3764891.43	226.00	212.30	186.50
3764794.29	249.90	238.50	206.80
3764697.15	259.40	252.50	223.70
3764600.01	245.40	248.40	223.70
3764502.87	221.90	229.20	208.80
3764405.73	188.10	194.70	185.80
3764308.59	164.80	160.90	153.60
3764211.45	177.30	166.10	141.70
3764114.31	196.00	186.80	150.60
3764017.17	188.40	181.90	150.80
3763920.03	176.00	164.80	150.40

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**MODELOPTs: RegDFAULT CONC ELEV URBAN

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

* HILL HEIGHT SCALES IN METERS *

Y-COORD (METERS)	404717.46	404876.53	405035.60	405194.67	405353.74	405512.81	405671.88	405830.95	405990.02
3765862.83	306.00	306.00	306.00	307.00	308.00	311.00	311.00	311.00	311.00
3765765.69	306.00	306.00	306.00	308.00	308.00	311.00	311.00	311.00	311.00
3765668.55	306.00	306.00	306.00	307.00	308.00	311.00	311.00	311.00	311.00
3765571.41	306.00	306.00	306.00	306.00	306.00	311.00	311.00	311.00	311.00
3765474.27	306.00	306.00	306.00	305.00	306.00	311.00	311.00	311.00	311.00
3765377.13	306.00	306.00	306.00	304.00	305.00	308.00	308.00	311.00	311.00
3765279.99	306.00	306.00	305.00	304.00	305.00	306.00	306.00	311.00	311.00
3765182.85	306.00	306.00	305.00	305.00	306.00	306.00	306.00	308.00	311.00
3765085.71	306.00	305.00	304.00	305.00	306.00	306.00	307.00	308.00	311.00
3764988.57	306.00	306.00	305.00	305.00	305.00	304.00	306.00	308.00	308.00
3764891.43	306.00	307.00	306.00	305.00	304.00	304.00	306.00	306.00	306.00
3764794.29	306.00	307.00	305.00	305.00	304.00	304.00	304.00	306.00	306.00
3764697.15	307.00	306.00	305.00	304.00	304.00	304.00	304.00	304.00	304.00
3764600.01	307.00	307.00	305.00	304.00	304.00	304.00	304.00	304.00	302.00
3764502.87	308.00	354.00	305.00	305.00	304.00	304.00	304.00	303.40	302.80
3764405.73	349.00	307.00	304.00	305.00	304.00	304.00	304.00	303.80	303.90

3764308.59		304.00	304.00	304.00	305.00	304.00	304.00	304.00	303.50	297.60
3764211.45		304.00	304.00	304.00	307.00	304.00	304.00	304.00	304.00	304.00
3764114.31		304.00	304.00	304.00	307.00	304.00	304.00	304.00	304.00	308.00
3764017.17		354.00	354.00	304.00	354.00	304.00	304.00	304.00	304.00	308.00
3763920.03		354.00	354.00	304.00	304.00	304.00	304.00	304.00	304.00	308.00

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**MODELOPTs: RegDFAULT CONC ELEV URBAN

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

* HILL HEIGHT SCALES IN METERS *

Y-COORD (METERS)		406149.09	406308.16	406467.23	406626.30	406785.37	406944.44	407103.51	407262.58	407421.65
3765862.83		311.00	311.00	311.00	311.00	311.00	311.00	311.00	311.00	311.00
3765765.69		311.00	311.00	311.00	311.00	311.00	311.00	311.00	311.00	311.00
3765668.55		311.00	311.00	311.00	311.00	311.00	311.00	311.00	311.00	311.00
3765571.41		311.00	311.00	311.00	311.00	311.00	306.00	311.00	306.00	306.00
3765474.27		311.00	311.00	311.00	311.00	311.00	306.00	306.00	306.00	267.00
3765377.13		311.00	311.00	306.00	311.00	311.00	306.00	306.00	306.00	267.00
3765279.99		311.00	311.00	311.00	311.00	311.00	306.00	306.00	302.00	263.00
3765182.85		308.00	311.00	311.00	311.00	306.00	306.00	263.00	263.00	263.00
3765085.71		306.00	306.00	311.00	311.00	306.00	306.00	259.00	263.00	263.00
3764988.57		306.00	306.00	311.00	306.00	306.00	306.00	306.00	263.00	267.00
3764891.43		306.00	306.00	306.00	306.00	306.00	311.00	311.00	311.00	267.00
3764794.29		305.00	306.00	306.00	306.00	306.00	306.00	311.00	311.00	267.00
3764697.15		303.00	300.80	302.60	306.00	306.00	306.00	311.00	311.00	267.00
3764600.01		303.50	304.00	305.10	306.00	306.00	311.00	311.00	311.00	311.00
3764502.87		303.90	303.50	303.50	306.00	311.00	311.00	311.00	311.00	311.00
3764405.73		303.80	302.50	301.00	304.00	311.00	311.00	311.00	354.00	354.00
3764308.59		304.00	300.30	299.40	296.50	311.00	311.00	311.00	354.00	354.00
3764211.45		304.00	295.40	303.20	302.20	311.00	311.00	311.00	345.00	354.00
3764114.31		308.00	307.00	306.90	307.60	311.00	311.00	311.00	311.00	345.00
3764017.17		311.00	307.00	303.10	304.30	311.00	311.00	311.00	311.00	354.00
3763920.03		309.00	304.00	300.70	299.50	297.00	311.00	311.00	345.00	354.00

*** AERMOD - VERSION 15181 *** *** C:\Lakes\AERMOD View\6351 Puente Hills Landfill Park\6351 Puente Hil *** 04/20/16
 *** AERMET - VERSION 14134 *** *** Cadmium *** 14:45:50
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**MODELOPTs: RegDFAULT CONC ELEV URBAN

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

* HILL HEIGHT SCALES IN METERS *

Y-COORD		X-COORD (METERS)

(METERS)	407580.72	407739.79	407898.86
3765862.83	311.00	311.00	311.00
3765765.69	311.00	311.00	311.00
3765668.55	311.00	311.00	311.00
3765571.41	311.00	311.00	311.00
3765474.27	306.00	306.00	306.00
3765377.13	267.00	267.00	267.00
3765279.99	267.00	267.00	267.00
3765182.85	263.00	240.00	267.00
3765085.71	238.00	240.00	267.00
3764988.57	267.00	267.00	267.00
3764891.43	267.00	267.00	267.00
3764794.29	267.00	267.00	267.00
3764697.15	267.00	265.00	267.00
3764600.01	267.00	265.00	267.00
3764502.87	267.00	267.00	267.00
3764405.73	345.00	311.00	343.00
3764308.59	354.00	354.00	354.00
3764211.45	354.00	354.00	354.00
3764114.31	352.00	352.00	354.00
3764017.17	354.00	354.00	354.00
3763920.03	354.00	354.00	354.00

*** AERMOD - VERSION 15181 *** *** C:\Lakes\AERMOD View\6351 Puente Hills Landfill Park\6351 Puente Hil *** 04/20/16
 *** AERMET - VERSION 14134 *** *** Cadmium *** 14:45:50
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**MODELOPTs: RegDEFAULT CONC ELEV URBAN

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

(405475.9, 3765283.3,	178.5,	306.0,	0.0);	(405487.3, 3765227.6,	181.1,	306.0,	0.0);
(405496.8, 3765177.1,	182.5,	306.0,	0.0);	(405361.1, 3765124.2,	183.8,	306.0,	0.0);
(405556.6, 3765179.2,	182.0,	306.0,	0.0);	(405517.0, 3765024.9,	207.2,	305.0,	0.0);
(405795.3, 3765005.2,	188.0,	308.0,	0.0);	(406083.9, 3765241.0,	155.0,	311.0,	0.0);
(406158.4, 3764974.0,	244.3,	306.0,	0.0);	(405659.6, 3764787.4,	247.3,	304.0,	0.0);
(405927.5, 3765602.5,	122.2,	311.0,	0.0);				

*** AERMOD - VERSION 15181 *** *** C:\Lakes\AERMOD View\6351 Puente Hills Landfill Park\6351 Puente Hil *** 04/20/16
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**MODELOPTs: RegDEFAULT CONC ELEV URBAN

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

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

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

1.54, 3.09, 5.14, 8.23, 10.80,

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**MODELOPTs:   RegDFAULT CONC      ELEV      URBAN

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

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Surface file: C:\Users\Kate Wilson\Desktop\Met data\pico8.sfc
Profile file: C:\Users\Kate Wilson\Desktop\Met data\pico8.PFL
Surface format: FREE
Profile format: FREE
Surface station no.: 0
Upper air station no.: 3190
Name: UNKNOWN
Year: 2008
Name: UNKNOWN
Year: 2008

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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
08	01	01	1	01	-999.0	-9.000	-9.000	-9.000	-999.	-999.	-99999.0	0.34	1.00	1.00	999.00	999.	-9.0	285.4	5.5			
08	01	01	1	02	-999.0	-9.000	-9.000	-9.000	-999.	-999.	-99999.0	0.34	1.00	1.00	999.00	999.	-9.0	284.2	5.5			
08	01	01	1	03	-999.0	-9.000	-9.000	-9.000	-999.	-999.	-99999.0	0.34	1.00	1.00	999.00	999.	-9.0	283.8	5.5			
08	01	01	1	04	-999.0	-9.000	-9.000	-9.000	-999.	-999.	-99999.0	0.34	1.00	1.00	999.00	999.	-9.0	284.2	5.5			
08	01	01	1	05	-999.0	-9.000	-9.000	-9.000	-999.	-999.	-99999.0	0.34	1.00	1.00	999.00	999.	-9.0	284.9	5.5			
08	01	01	1	06	-999.0	-9.000	-9.000	-9.000	-999.	-999.	-99999.0	0.34	1.00	1.00	999.00	999.	-9.0	285.4	5.5			
08	01	01	1	07	-999.0	-9.000	-9.000	-9.000	-999.	-999.	-99999.0	0.34	1.00	1.00	999.00	999.	-9.0	285.9	5.5			
08	01	01	1	08	-999.0	-9.000	-9.000	-9.000	-999.	-999.	-99999.0	0.34	1.00	0.54	999.00	999.	-9.0	286.4	5.5			
08	01	01	1	09	28.6	-9.000	-9.000	-9.000	61.	-999.	-99999.0	0.34	1.00	0.32	999.00	999.	-9.0	287.0	5.5			
08	01	01	1	10	83.5	-9.000	-9.000	-9.000	164.	-999.	-99999.0	0.34	1.00	0.24	999.00	999.	-9.0	289.2	5.5			
08	01	01	1	11	131.2	-9.000	-9.000	-9.000	427.	-999.	-99999.0	0.34	1.00	0.21	999.00	999.	-9.0	292.5	5.5			
08	01	01	1	12	130.6	-9.000	-9.000	-9.000	620.	-999.	-99999.0	0.34	1.00	0.20	999.00	999.	-9.0	294.2	5.5			
08	01	01	1	13	112.1	-9.000	-9.000	-9.000	723.	-999.	-99999.0	0.34	1.00	0.20	999.00	999.	-9.0	294.9	5.5			
08	01	01	1	14	86.7	-9.000	-9.000	-9.000	762.	-999.	-99999.0	0.34	1.00	0.21	999.00	999.	-9.0	294.9	5.5			
08	01	01	1	15	37.3	-9.000	-9.000	-9.000	778.	-999.	-99999.0	0.34	1.00	0.25	999.00	999.	-9.0	294.2	5.5			
08	01	01	1	16	12.7	-9.000	-9.000	-9.000	783.	-999.	-99999.0	0.34	1.00	0.33	999.00	999.	-9.0	293.8	5.5			
08	01	01	1	17	-999.0	-9.000	-9.000	-9.000	-999.	-999.	-99999.0	0.34	1.00	0.60	999.00	999.	-9.0	292.5	5.5			


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*** THE ANNUAL AVERAGE CONCENTRATION			VALUES AVERAGED OVER			5 YEARS FOR SOURCE GROUP: ALL			***
INCLUDING SOURCE(S):			FLARE1	FLARE2	FLARE3	FLARE4	FLARE5		
FLARE6	FLARE7	FLARE8	FLARE9	FLARE10	FLARE11	FLARE12	FLARE13		
FLARE14	FLARE15	FLARE16	FLARE17	FLARE18	FLARE19	FLARE20	FLARE21		
FLARE22	FLARE23	FLARE24							

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

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**MODELOPTs:  RegDFAULT CONC          ELEV          URBAN

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*** THE ANNUAL AVERAGE CONCENTRATION VALUES AVERAGED OVER 5 YEARS FOR SOURCE GROUP: ALL ***
 INCLUDING SOURCE(S): FLARE1 , FLARE2 , FLARE3 , FLARE4 , FLARE5 ,
 FLARE6 , FLARE7 , FLARE8 , FLARE9 , FLARE10 , FLARE11 , FLARE12 , FLARE13 ,
 FLARE14 , FLARE15 , FLARE16 , FLARE17 , FLARE18 , FLARE19 , FLARE20 , FLARE21 ,
 FLARE22 , FLARE23 , FLARE24 ,

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

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

Y-COORD (METERS)	407580.72	407739.79	407898.86	X-COORD (METERS)
3765862.83	0.00000	0.00000	0.00000	
3765765.69	0.00000	0.00000	0.00000	
3765668.55	0.00000	0.00000	0.00000	
3765571.41	0.00000	0.00000	0.00000	
3765474.27	0.00000	0.00000	0.00000	
3765377.13	0.00000	0.00000	0.00000	
3765279.99	0.00000	0.00000	0.00000	
3765182.85	0.00000	0.00000	0.00000	
3765085.71	0.00000	0.00000	0.00000	
3764988.57	0.00000	0.00000	0.00000	
3764891.43	0.00000	0.00000	0.00000	
3764794.29	0.00000	0.00000	0.00000	
3764697.15	0.00000	0.00000	0.00000	
3764600.01	0.00000	0.00000	0.00000	
3764502.87	0.00000	0.00000	0.00000	
3764405.73	0.00000	0.00000	0.00000	
3764308.59	0.00000	0.00000	0.00000	
3764211.45	0.00000	0.00000	0.00000	
3764114.31	0.00000	0.00000	0.00000	
3764017.17	0.00000	0.00000	0.00000	
3763920.03	0.00000	0.00000	0.00000	

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 **MODELOPTs: RegDEFAULT CONC ELEV URBAN PAGE 18

*** THE ANNUAL AVERAGE CONCENTRATION VALUES AVERAGED OVER 5 YEARS FOR SOURCE GROUP: ALL ***
 INCLUDING SOURCE(S): FLARE1 , FLARE2 , FLARE3 , FLARE4 , FLARE5 ,
 FLARE6 , FLARE7 , FLARE8 , FLARE9 , FLARE10 , FLARE11 , FLARE12 , FLARE13 ,
 FLARE14 , FLARE15 , FLARE16 , FLARE17 , FLARE18 , FLARE19 , FLARE20 , FLARE21 ,
 FLARE22 , FLARE23 , FLARE24 ,

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

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

**

X-COORD (M)	Y-COORD (M)	CONC	X-COORD (M)	Y-COORD (M)	CONC
405475.87	3765283.33	0.00000	405487.28	3765227.63	0.00000
405496.83	3765177.10	0.00000	405361.06	3765124.16	0.00000
405556.64	3765179.21	0.00000	405516.99	3765024.87	0.00000
405795.26	3765005.20	0.00000	406083.86	3765241.01	0.00000
406158.41	3764974.02	0.00000	405659.63	3764787.39	0.00000
405927.52	3765602.51	0.00000			

*** AERMOD - VERSION 15181 *** C:\Lakes\AERMOD View\6351 Puente Hills Landfill Park\6351 Puente Hil *** 04/20/16
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**MODELOPTs: RegDEFAULT CONC ELEV URBAN

*** THE 1ST HIGHEST 1-HR AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: ALL ***
 INCLUDING SOURCE(S): FLARE1 , FLARE2 , FLARE3 , FLARE4 , FLARE5 ,
 FLARE6 , FLARE7 , FLARE8 , FLARE9 , FLARE10 , FLARE11 , FLARE12 , FLARE13 ,
 FLARE14 , FLARE15 , FLARE16 , FLARE17 , FLARE18 , FLARE19 , FLARE20 , FLARE21 ,
 FLARE22 , FLARE23 , FLARE24 ,

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

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

**

Y-COORD (METERS)	404717.46	404876.53	X-COORD (METERS)	405035.60	405194.67	405353.74
3765862.8	0.00000 (08010421)	0.00000 (08010422)	0.00000 (08012705)	0.00000 (10122017)	0.00000 (08010501)	
3765765.7	0.00000 (08010421)	0.00000 (08010421)	0.00000 (08010422)	0.00000 (10122017)	0.00000 (08010501)	
3765668.5	0.00000 (08010421)	0.00000 (08010421)	0.00000 (08010422)	0.00000 (08010423)	0.00000 (08010501)	
3765571.4	0.00000 (08012421)	0.00000 (08010421)	0.00000 (08010421)	0.00000 (08010422)	0.00000 (08010501)	
3765474.3	0.00000 (12041104)	0.00000 (08012421)	0.00000 (08010421)	0.00000 (08010422)	0.00000 (08010424)	
3765377.1	0.00000 (11032018)	0.00000 (11032018)	0.00000 (12042514)	0.00000 (10100512)	0.00000 (08010424)	
3765280.0	0.00000 (11032018)	0.00000 (11032018)	0.00000 (11032018)	0.00000 (10102712)	0.00000 (08101709)	
3765182.8	0.00000 (11032018)	0.00000 (11032018)	0.00000 (08022207)	0.00000 (11120103)	0.00000 (11120103)	
3765085.7	0.00000 (08022207)	0.00000 (08022207)	0.00000 (11120103)	0.00000 (08012701)	0.00000 (08010701)	
3764988.6	0.00000 (08022207)	0.00000 (08022207)	0.00000 (08012701)	0.00000 (08012620)	0.00000 (08010701)	
3764891.4	0.00000 (08022207)	0.00000 (08012620)	0.00000 (08012620)	0.00000 (08010701)	0.00000 (09060302)	
3764794.3	0.00000 (08012624)	0.00000 (08012624)	0.00000 (08112604)	0.00000 (08010701)	0.00000 (09060302)	
3764697.1	0.00000 (08012624)	0.00000 (08012619)	0.00000 (08022206)	0.00000 (08010623)	0.00000 (10120518)	
3764600.0	0.00000 (08012624)	0.00000 (08112604)	0.00000 (08022206)	0.00000 (09060302)	0.00000 (09060302)	
3764502.9	0.00000 (08022323)	0.00000 (12030705)	0.00000 (08022206)	0.00000 (09060302)	0.00000 (09060302)	
3764405.7	0.00000 (12030705)	0.00000 (08022206)	0.00000 (08010623)	0.00000 (09060302)	0.00000 (09060302)	
3764308.6	0.00000 (12030705)	0.00000 (08010623)	0.00000 (08010623)	0.00000 (09060302)	0.00000 (09060302)	
3764211.4	0.00000 (12030705)	0.00000 (08010623)	0.00000 (09060302)	0.00000 (09060302)	0.00000 (09060302)	
3764114.3	0.00000 (08010623)	0.00000 (08010623)	0.00000 (09060302)	0.00000 (09060302)	0.00000 (09060302)	

3764017.2		0.00000 (08010623)	0.00000 (08010623)	0.00000 (09060302)	0.00000 (09060302)	0.00000 (09060302)
3763920.0		0.00000 (08010623)	0.00000 (08010623)	0.00000 (09060302)	0.00000 (09060302)	0.00000 (09060302)

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**MODELOPTs: RegDEFAULT CONC ELEV URBAN

*** THE 1ST HIGHEST 1-HR AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: ALL ***
INCLUDING SOURCE(S): FLARE1 , FLARE2 , FLARE3 , FLARE4 , FLARE5 ,
FLARE6 , FLARE7 , FLARE8 , FLARE9 , FLARE10 , FLARE11 , FLARE12 , FLARE13 ,
FLARE14 , FLARE15 , FLARE16 , FLARE17 , FLARE18 , FLARE19 , FLARE20 , FLARE21 ,
FLARE22 , FLARE23 , FLARE24 ,

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

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

Y-COORD (METERS)	405512.81	405671.88	X-COORD (METERS) 405830.95	405990.02	406149.09	
3765862.8		0.00000 (10033118)	0.00000 (10042118)	0.00000 (11102318)	0.00000 (12041318)	0.00000 (12090919)
3765765.7		0.00000 (10033118)	0.00000 (10042118)	0.00000 (08020318)	0.00000 (12090919)	0.00000 (12090919)
3765668.5		0.00000 (10033118)	0.00000 (10042118)	0.00000 (12041318)	0.00000 (12090919)	0.00000 (12031819)
3765571.4		0.00000 (10042118)	0.00000 (10042118)	0.00000 (12090919)	0.00000 (12031818)	0.00000 (12031818)
3765474.3		0.00000 (10042118)	0.00000 (12121813)	0.00000 (12031818)	0.00000 (12031818)	0.00000 (12031818)
3765377.1		0.00000 (08052114)	0.00000 (12031815)	0.00000 (12031818)	0.00000 (12031818)	0.00000 (10123010)
3765280.0		0.00000 (12012113)	0.00000 (12111014)	0.00000 (12111014)	0.00000 (10122923)	0.00000 (10122923)
3765182.8		0.00000 (09022810)	0.00000 (10122923)	0.00000 (10122923)	0.00000 (10122923)	0.00000 (10122923)
3765085.7		0.00000 (09011809)	0.00000 (10112810)	0.00000 (10122923)	0.00000 (10122923)	0.00000 (10122923)
3764988.6		0.00000 (09011808)	0.00000 (11111008)	0.00000 (09102718)	0.00000 (10122923)	0.00000 (11030721)
3764891.4		0.00000 (10010903)	0.00000 (12121819)	0.00000 (09102718)	0.00000 (09102718)	0.00000 (10120102)
3764794.3		0.00000 (10010903)	0.00000 (10110404)	0.00000 (12121818)	0.00000 (09102718)	0.00000 (08122103)
3764697.1		0.00000 (10010903)	0.00000 (09011807)	0.00000 (08122803)	0.00000 (09012705)	0.00000 (10011108)
3764600.0		0.00000 (08011224)	0.00000 (09040502)	0.00000 (11022802)	0.00000 (08112603)	0.00000 (09030706)
3764502.9		0.00000 (08011224)	0.00000 (12101721)	0.00000 (10111323)	0.00000 (09011022)	0.00000 (10110523)
3764405.7		0.00000 (08011224)	0.00000 (08121022)	0.00000 (10121119)	0.00000 (12101501)	0.00000 (08112603)
3764308.6		0.00000 (08011224)	0.00000 (12010208)	0.00000 (08100624)	0.00000 (08011420)	0.00000 (10123101)
3764211.4		0.00000 (08011224)	0.00000 (08032304)	0.00000 (09040502)	0.00000 (10030504)	0.00000 (08122803)
3764114.3		0.00000 (08011224)	0.00000 (09011423)	0.00000 (10111204)	0.00000 (10110404)	0.00000 (08121003)
3764017.2		0.00000 (11012704)	0.00000 (09011423)	0.00000 (10111204)	0.00000 (09011808)	0.00000 (09011808)
3763920.0		0.00000 (11012704)	0.00000 (09011423)	0.00000 (10123106)	0.00000 (09011808)	0.00000 (09011808)

*** AERMOD - VERSION 15181 ***	*** C:\Lakes\AERMOD View\6351 Puente Hills Landfill Park\6351 Puente Hil ***	04/20/16
*** AERMET - VERSION 14134 ***	*** Cadmium ***	14:45:50
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**MODELOPTs: RegDEFAULT CONC ELEV URBAN

*** THE 1ST HIGHEST 1-HR AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: ALL ***
INCLUDING SOURCE(S): FLARE1 , FLARE2 , FLARE3 , FLARE4 , FLARE5 ,

FLARE6 , FLARE7 , FLARE8 , FLARE9 , FLARE10 , FLARE11 , FLARE12 , FLARE13 ,
FLARE14 , FLARE15 , FLARE16 , FLARE17 , FLARE18 , FLARE19 , FLARE20 , FLARE21 ,
FLARE22 , FLARE23 , FLARE24 ,

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

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

**

Y-COORD (METERS)	406308.16	406467.23	X-COORD (METERS) 406626.30	406785.37	406944.44
3765862.8	0.00000 (12031819)	0.00000 (12031819)	0.00000 (12031819)	0.00000 (10102806)	0.00000 (10102806)
3765765.7	0.00000 (12031819)	0.00000 (12031819)	0.00000 (10102806)	0.00000 (10102806)	0.00000 (10102806)
3765668.5	0.00000 (12031818)	0.00000 (12031818)	0.00000 (10102806)	0.00000 (10102806)	0.00000 (10102806)
3765571.4	0.00000 (12031818)	0.00000 (10102806)	0.00000 (10102806)	0.00000 (10102806)	0.00000 (10102806)
3765474.3	0.00000 (10102806)	0.00000 (10102806)	0.00000 (10102806)	0.00000 (10110817)	0.00000 (10110817)
3765377.1	0.00000 (10110817)	0.00000 (10110817)	0.00000 (10110817)	0.00000 (10110817)	0.00000 (10110817)
3765280.0	0.00000 (10122923)	0.00000 (10110817)	0.00000 (10110817)	0.00000 (10110817)	0.00000 (10110817)
3765182.8	0.00000 (10122923)	0.00000 (10122923)	0.00000 (10122923)	0.00000 (10122923)	0.00000 (10110817)
3765085.7	0.00000 (10122923)	0.00000 (10122923)	0.00000 (10122923)	0.00000 (10122923)	0.00000 (11030722)
3764988.6	0.00000 (10122923)	0.00000 (10122923)	0.00000 (10122923)	0.00000 (10122923)	0.00000 (10122923)
3764891.4	0.00000 (09102717)	0.00000 (11030721)	0.00000 (08052119)	0.00000 (08052119)	0.00000 (10122923)
3764794.3	0.00000 (10113005)	0.00000 (08122002)	0.00000 (10012307)	0.00000 (11030721)	0.00000 (08052119)
3764697.1	0.00000 (08042801)	0.00000 (10102719)	0.00000 (12030702)	0.00000 (08122002)	0.00000 (11030721)
3764600.0	0.00000 (10011108)	0.00000 (08042801)	0.00000 (10102719)	0.00000 (10113005)	0.00000 (09102717)
3764502.9	0.00000 (09070623)	0.00000 (09092905)	0.00000 (08042801)	0.00000 (11022803)	0.00000 (09102721)
3764405.7	0.00000 (08112807)	0.00000 (09070623)	0.00000 (09092905)	0.00000 (08122103)	0.00000 (09102721)
3764308.6	0.00000 (10110523)	0.00000 (09030706)	0.00000 (09111106)	0.00000 (08012607)	0.00000 (09102721)
3764211.4	0.00000 (08112603)	0.00000 (09122001)	0.00000 (08031106)	0.00000 (11021806)	0.00000 (09102718)
3764114.3	0.00000 (08122001)	0.00000 (08112107)	0.00000 (08112807)	0.00000 (08122101)	0.00000 (09102718)
3764017.2	0.00000 (08122803)	0.00000 (08111406)	0.00000 (10110523)	0.00000 (08013106)	0.00000 (08122101)
3763920.0	0.00000 (09121606)	0.00000 (08122708)	0.00000 (09030206)	0.00000 (08112807)	0.00000 (08013106)

*** AERMOD - VERSION 15181 *** C:\Lakes\AERMOD View\6351 Puente Hills Landfill Park\6351 Puente Hil ***
*** AERMET - VERSION 14134 *** Cadmium ***

04/20/16
14:45:50
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**MODELOPTs: RegDEFAULT CONC ELEV URBAN

*** THE 1ST HIGHEST 1-HR AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: ALL ***
INCLUDING SOURCE(S): FLARE1 , FLARE2 , FLARE3 , FLARE4 , FLARE5 ,
FLARE6 , FLARE7 , FLARE8 , FLARE9 , FLARE10 , FLARE11 , FLARE12 , FLARE13 ,
FLARE14 , FLARE15 , FLARE16 , FLARE17 , FLARE18 , FLARE19 , FLARE20 , FLARE21 ,
FLARE22 , FLARE23 , FLARE24 ,

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

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

**

Y-COORD (METERS)	407103.51	407262.58	X-COORD (METERS) 407421.65	407580.72	407739.79

3765862.8 | 0.00000 (10102806) 0.00000 (10102806) 0.00000 (10102806) 0.00000 (10102806) 0.00000 (10102806)
3765765.7 | 0.00000 (10102806) 0.00000 (10102806) 0.00000 (10102806) 0.00000 (10102806) 0.00000 (12081020)
3765668.5 | 0.00000 (10102806) 0.00000 (10102806) 0.00000 (10102806) 0.00000 (10110817) 0.00000 (10110817)
3765571.4 | 0.00000 (10110817) 0.00000 (10110817) 0.00000 (10110817) 0.00000 (10110817) 0.00000 (10110817)
3765474.3 | 0.00000 (10110817) 0.00000 (10110817) 0.00000 (10110817) 0.00000 (10110817) 0.00000 (10110817)
3765377.1 | 0.00000 (10110817) 0.00000 (10110817) 0.00000 (10110817) 0.00000 (10110817) 0.00000 (10110817)
3765280.0 | 0.00000 (10110817) 0.00000 (10110817) 0.00000 (10110817) 0.00000 (10110817) 0.00000 (10110817)
3765182.8 | 0.00000 (10110817) 0.00000 (10110817) 0.00000 (10110817) 0.00000 (10110817) 0.00000 (10110817)
3765085.7 | 0.00000 (11030722) 0.00000 (09113004) 0.00000 (11030722) 0.00000 (11030722) 0.00000 (11030722)
3764988.6 | 0.00000 (10122923) 0.00000 (11030722) 0.00000 (11030722) 0.00000 (11030722) 0.00000 (11030722)
3764891.4 | 0.00000 (10122923) 0.00000 (10122923) 0.00000 (10122923) 0.00000 (12121821) 0.00000 (11030722)
3764794.3 | 0.00000 (10122923) 0.00000 (10122923) 0.00000 (08052119) 0.00000 (12121821) 0.00000 (12121821)
3764697.1 | 0.00000 (08052119) 0.00000 (08052119) 0.00000 (08052119) 0.00000 (08011406) 0.00000 (08052119)
3764600.0 | 0.00000 (08052119) 0.00000 (08052119) 0.00000 (08052119) 0.00000 (11030721) 0.00000 (08052119)
3764502.9 | 0.00000 (08052119) 0.00000 (08052119) 0.00000 (08052119) 0.00000 (08052119) 0.00000 (11030721)
3764405.7 | 0.00000 (09102721) 0.00000 (09102721) 0.00000 (08052119) 0.00000 (11030721) 0.00000 (08052119)
3764308.6 | 0.00000 (09102721) 0.00000 (09102721) 0.00000 (09102721) 0.00000 (09102721) 0.00000 (11030721)
3764211.4 | 0.00000 (09102721) 0.00000 (09102721) 0.00000 (09102721) 0.00000 (09102721) 0.00000 (09102721)
3764114.3 | 0.00000 (09102718) 0.00000 (09102721) 0.00000 (09102721) 0.00000 (09102721) 0.00000 (09102721)
3764017.2 | 0.00000 (09102718) 0.00000 (09102718) 0.00000 (09102721) 0.00000 (09102721) 0.00000 (09102721)
3763920.0 | 0.00000 (09102807) 0.00000 (09102718) 0.00000 (09102718) 0.00000 (09102721) 0.00000 (09102721)

*** AERMOD - VERSION 15181 *** *** C:\Lakes\AERMOD View\6351 Puente Hills Landfill Park\6351 Puente Hil *** 04/20/16
*** AERMET - VERSION 14134 *** *** Cadmium *** 14:45:50
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**MODELOPTs: RegDEFAULT CONC ELEV URBAN

*** THE 1ST HIGHEST 1-HR AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: ALL ***
INCLUDING SOURCE(S): FLARE1 , FLARE2 , FLARE3 , FLARE4 , FLARE5 ,
FLARE6 , FLARE7 , FLARE8 , FLARE9 , FLARE10 , FLARE11 , FLARE12 , FLARE13 ,
FLARE14 , FLARE15 , FLARE16 , FLARE17 , FLARE18 , FLARE19 , FLARE20 , FLARE21 ,
FLARE22 , FLARE23 , FLARE24 ,

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

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

**

Y-COORD | X-COORD (METERS)
(METERS) | 407898.86

3765862.8 | 0.00000 (12081020)
3765765.7 | 0.00000 (10110817)
3765668.5 | 0.00000 (10110817)
3765571.4 | 0.00000 (10110817)
3765474.3 | 0.00000 (10110817)
3765377.1 | 0.00000 (10110817)
3765280.0 | 0.00000 (10110817)
3765182.8 | 0.00000 (10110817)

3765085.7 | 0.00000 (11030722)
3764988.6 | 0.00000 (11030722)
3764891.4 | 0.00000 (11030722)
3764794.3 | 0.00000 (12121821)
3764697.1 | 0.00000 (08052119)
3764600.0 | 0.00000 (08052119)
3764502.9 | 0.00000 (08052119)
3764405.7 | 0.00000 (11030721)
3764308.6 | 0.00000 (11030721)
3764211.4 | 0.00000 (11030721)
3764114.3 | 0.00000 (09102721)
3764017.2 | 0.00000 (09102721)
3763920.0 | 0.00000 (09102721)

*** AERMOD - VERSION 15181 *** C:\Lakes\AERMOD View\6351 Puente Hills Landfill Park\6351 Puente Hil *** 04/20/16
*** AERMET - VERSION 14134 *** Cadmium *** 14:45:50
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**MODELOPTs: RegDFAULT CONC ELEV URBAN

*** THE 1ST HIGHEST 1-HR AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: ALL ***
INCLUDING SOURCE(S): FLARE1 , FLARE2 , FLARE3 , FLARE4 , FLARE5 ,
FLARE6 , FLARE7 , FLARE8 , FLARE9 , FLARE10 , FLARE11 , FLARE12 , FLARE13 ,
FLARE14 , FLARE15 , FLARE16 , FLARE17 , FLARE18 , FLARE19 , FLARE20 , FLARE21 ,
FLARE22 , FLARE23 , FLARE24 ,

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

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

**

X-COORD (M)	Y-COORD (M)	CONC	(YYMMDDHH)	X-COORD (M)	Y-COORD (M)	CONC	(YYMMDDHH)
405475.87	3765283.33	0.00000	(10012115)	405487.28	3765227.63	0.00000	(12080612)
405496.83	3765177.10	0.00000	(10102809)	405361.06	3765124.16	0.00000	(08010701)
405556.64	3765179.21	0.00000	(12071216)	405516.99	3765024.87	0.00000	(08031008)
405795.26	3765005.20	0.00000	(09102718)	406083.86	3765241.01	0.00000	(10122923)
406158.41	3764974.02	0.00000	(11030721)	405659.63	3764787.39	0.00000	(10110404)
405927.52	3765602.51	0.00000	(12090919)				

*** AERMOD - VERSION 15181 *** C:\Lakes\AERMOD View\6351 Puente Hills Landfill Park\6351 Puente Hil *** 04/20/16
*** AERMET - VERSION 14134 *** Cadmium *** 14:45:50
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**MODELOPTs: RegDFAULT CONC ELEV URBAN

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

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

**

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

ALL	1ST HIGHEST VALUE IS	0.00000	AT (	405512.81,	3765377.13,	138.00,	308.00,	0.00)	GC	UCART1
	2ND HIGHEST VALUE IS	0.00000	AT (	405475.87,	3765283.33,	178.49,	306.00,	0.00)	DC	
	3RD HIGHEST VALUE IS	0.00000	AT (	405512.81,	3765474.27,	122.70,	311.00,	0.00)	GC	UCART1
	4TH HIGHEST VALUE IS	0.00000	AT (	405353.74,	3765377.13,	180.70,	305.00,	0.00)	GC	UCART1
	5TH HIGHEST VALUE IS	0.00000	AT (	405512.81,	3765279.99,	174.60,	306.00,	0.00)	GC	UCART1
	6TH HIGHEST VALUE IS	0.00000	AT (	405353.74,	3765474.27,	163.10,	306.00,	0.00)	GC	UCART1
	7TH HIGHEST VALUE IS	0.00000	AT (	405512.81,	3765571.41,	117.00,	311.00,	0.00)	GC	UCART1
	8TH HIGHEST VALUE IS	0.00000	AT (	405353.74,	3765182.85,	181.90,	306.00,	0.00)	GC	UCART1
	9TH HIGHEST VALUE IS	0.00000	AT (	405353.74,	3765279.99,	181.00,	305.00,	0.00)	GC	UCART1
	10TH HIGHEST VALUE IS	0.00000	AT (	405671.88,	3765474.27,	125.40,	311.00,	0.00)	GC	UCART1

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

*** AERMOD - VERSION	15181 ***	*** C:\Lakes\AERMOD View\6351 Puente Hills Landfill Park\6351 Puente Hil	***	04/20/16
*** AERMET - VERSION	14134 ***	*** Cadmium	***	14:45:50
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**MODELOPTs: RegDFAULT CONC ELEV URBAN

*** THE SUMMARY OF HIGHEST 1-HR RESULTS ***

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

GROUP ID		AVERAGE CONC	DATE (YYMMDDHH)	RECEPTOR (XR, YR, ZELEV, ZHILL, ZFLAG)	OF TYPE	NETWORK GRID-ID
ALL	HIGH 1ST HIGH VALUE IS	0.00000	ON 08010424: AT (	405353.74, 3765377.13, 180.70, 305.00,	0.00)	GC UCART1

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

*** AERMOD - VERSION	15181 ***	*** C:\Lakes\AERMOD View\6351 Puente Hills Landfill Park\6351 Puente Hil	***	04/20/16
*** AERMET - VERSION	14134 ***	*** Cadmium	***	14:45:50
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**MODELOPTs: RegDFAULT CONC ELEV URBAN

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

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

A Total of	0 Fatal Error Message(s)
A Total of	0 Warning Message(s)

A Total of 1222 Informational Message(s)
A Total of 43848 Hours Were Processed
A Total of 13 Calm Hours Identified
A Total of 1209 Missing Hours Identified (2.76 Percent)

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

***** WARNING MESSAGES *****
*** NONE ***

*** AERMOD Finishes Successfully ***

```

** Lakes Environmental AERMOD MPI
**
*****
**
** AERMOD Input Produced by:
** AERMOD View Ver. 9.1.0
** Lakes Environmental Software Inc.
** Date: 4/20/2016
** File: C:\Lakes\AERMOD View\Puente Hills LFP Ethylene dichloride\Puente Hills LFP Ethylene dichloride.ADI
**
*****
**
**
*****
** AERMOD Control Pathway
*****
**
**
CO STARTING
  TITLEONE C:\Lakes\AERMOD View\6351 Puente Hills Landfill Park\6351 Puente Hil
  TITLETWO Ethylene dichloride
  MODELOPT DFAULT CONC
  AVERTIME 1 ANNUAL
  URBANOPT 9862049 Los_Angeles_County
  POLLUTID ETHYLENE
  RUNORNOT RUN
  ERRORFIL "Puente Hills LFP Ethylene dichloride.err"
CO FINISHED
**
*****
** AERMOD Source Pathway
*****
**
**
SO STARTING
** Source Location **
** Source ID - Type - X Coord. - Y Coord. **
  LOCATION FLARE1      POINT      405412.404  3765266.480    181.580
** DESCRSRC Flares (24 total)
  LOCATION FLARE2      POINT      405417.595  3765268.614    181.640
** DESCRSRC Flares (24 total)
  LOCATION FLARE3      POINT      405415.440  3765263.023    181.620
** DESCRSRC Flares (24 total)
  LOCATION FLARE4      POINT      405420.770  3765264.143    181.690
** DESCRSRC Flares (24 total)
  LOCATION FLARE5      POINT      405417.256  3765258.874    181.640
** DESCRSRC Flares (24 total)
  LOCATION FLARE6      POINT      405423.409  3765260.689    181.720
** DESCRSRC Flares (24 total)
  LOCATION FLARE7      POINT      405418.220  3765254.700    181.650
** DESCRSRC Flares (24 total)

```

LOCATION	FLARE8	POINT	405426.799	3765256.850	181.770
** DESCRSRC	Flares (24 total)				
LOCATION	FLARE9	POINT	405420.223	3765250.883	181.680
** DESCRSRC	Flares (24 total)				
LOCATION	FLARE10	POINT	405429.052	3765252.454	181.800
** DESCRSRC	Flares (24 total)				
LOCATION	FLARE11	POINT	405423.375	3765246.684	181.720
** DESCRSRC	Flares (24 total)				
LOCATION	FLARE12	POINT	405431.589	3765249.405	181.830
** DESCRSRC	Flares (24 total)				
LOCATION	FLARE13	POINT	405427.483	3765241.984	181.780
** DESCRSRC	Flares (24 total)				
LOCATION	FLARE14	POINT	405433.797	3765244.836	181.860
** DESCRSRC	Flares (24 total)				
LOCATION	FLARE15	POINT	405430.394	3765236.806	181.820
** DESCRSRC	Flares (24 total)				
LOCATION	FLARE16	POINT	405436.611	3765241.272	181.900
** DESCRSRC	Flares (24 total)				
LOCATION	FLARE17	POINT	405433.570	3765232.416	181.860
** DESCRSRC	Flares (24 total)				
LOCATION	FLARE18	POINT	405439.798	3765236.907	181.940
** DESCRSRC	Flares (24 total)				
LOCATION	FLARE19	POINT	405436.746	3765227.834	181.900
** DESCRSRC	Flares (24 total)				
LOCATION	FLARE20	POINT	405442.425	3765233.337	181.970
** DESCRSRC	Flares (24 total)				
LOCATION	FLARE21	POINT	405440.173	3765223.711	181.940
** DESCRSRC	Flares (24 total)				
LOCATION	FLARE22	POINT	405445.453	3765228.464	181.980
** DESCRSRC	Flares (24 total)				
LOCATION	FLARE23	POINT	405442.883	3765219.270	181.980
** DESCRSRC	Flares (24 total)				
LOCATION	FLARE24	POINT	405449.335	3765223.937	181.930
** DESCRSRC	Flares (24 total)				
** Source Parameters **					
SRCPARAM	FLARE1	9.3629E-06	10.226	1088.706	4.245 2.530
SRCPARAM	FLARE2	9.3629E-06	10.226	1088.706	4.245 2.530
SRCPARAM	FLARE3	9.3629E-06	10.226	1088.706	4.245 2.530
SRCPARAM	FLARE4	9.3629E-06	10.226	1088.706	4.245 2.530
SRCPARAM	FLARE5	9.3629E-06	10.226	1088.706	4.245 2.530
SRCPARAM	FLARE6	9.3629E-06	10.226	1088.706	4.245 2.530
SRCPARAM	FLARE7	9.3629E-06	10.226	1088.706	4.245 2.530
SRCPARAM	FLARE8	9.3629E-06	10.226	1088.706	4.245 2.530
SRCPARAM	FLARE9	9.3629E-06	10.226	1088.706	4.245 2.530
SRCPARAM	FLARE10	9.3629E-06	10.226	1088.706	4.245 2.530
SRCPARAM	FLARE11	9.3629E-06	10.226	1088.706	4.245 2.530
SRCPARAM	FLARE12	9.3629E-06	10.226	1088.706	4.245 2.530
SRCPARAM	FLARE13	9.3629E-06	10.226	1088.706	4.245 2.530
SRCPARAM	FLARE14	9.3629E-06	10.226	1088.706	4.245 2.530
SRCPARAM	FLARE15	9.3629E-06	10.226	1088.706	4.245 2.530
SRCPARAM	FLARE16	9.3629E-06	10.226	1088.706	4.245 2.530

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SRCPARAM FLARE17      9.3629E-06    10.226  1088.706    4.245    2.530
SRCPARAM FLARE18      9.3629E-06    10.226  1088.706    4.245    2.530
SRCPARAM FLARE19      9.3629E-06    10.226  1088.706    4.245    2.530
SRCPARAM FLARE20      9.3629E-06    10.226  1088.706    4.245    2.530
SRCPARAM FLARE21      9.3629E-06    10.226  1088.706    4.245    2.530
SRCPARAM FLARE22      9.3629E-06    10.226  1088.706    4.245    2.530
SRCPARAM FLARE23      9.3629E-06    10.226  1088.706    4.245    2.530
SRCPARAM FLARE24      9.3629E-06    10.226  1088.706    4.245    2.530
URBANSRC ALL
SRCGROUP ALL
SO FINISHED
**
*****
** AERMOD Receptor Pathway
*****
**
**
RE STARTING
  INCLUDED "Puente Hills LFP Ethylene dichloride.rou"
RE FINISHED
**
*****
** AERMOD Meteorology Pathway
*****
**
**
ME STARTING
  SURFFILE "C:\Users\Kate Wilson\Desktop\Met data\pico8.sfc"
  PROFFILE "C:\Users\Kate Wilson\Desktop\Met data\pico8.PFL"
  SURFDATA 0 2008
  UAIRDATA 3190 2008
  SITEDATA 99999 2008
  PROFBASE 58.0 METERS
ME FINISHED
**
*****
** AERMOD Output Pathway
*****
**
**
OU STARTING
  RECTABLE ALLAVE 1ST
  RECTABLE 1 1ST
** Auto-Generated Plotfiles
  PLOTFILE 1 ALL 1ST "PUENTE HILLS LFP ETHYLENE DICHLORIDE.AD\01H1GALL.PLT" 31
  PLOTFILE ANNUAL ALL "PUENTE HILLS LFP ETHYLENE DICHLORIDE.AD\AN00GALL.PLT" 32
  SUMMFILE "Puente Hills LFP Ethylene dichloride.sum"
OU FINISHED

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

```

*** AERMOD - VERSION 15181 *** *** C:\Lakes\AERMOD View\6351 Puente Hills Landfill Park\6351 Puente Hil *** 04/20/16
*** AERMET - VERSION 14134 *** *** Ethylene dichloride *** 14:54:23
PAGE 1

**MODELOPTs: RegDEFAULT CONC ELEV URBAN

*** MODEL SETUP OPTIONS SUMMARY ***

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

-- DEPOSITION LOGIC --

**NO GAS DEPOSITION Data Provided.

**NO PARTICLE DEPOSITION Data Provided.

**Model Uses NO DRY DEPLETION. DRYDPLT = F

**Model Uses NO WET DEPLETION. WETDPLT = F

**Model Uses URBAN Dispersion Algorithm for the SBL for 24 Source(s),
for Total of 1 Urban Area(s):
Urban Population = 9862049.0 ; Urban Roughness Length = 1.000 m

**Model Uses Regulatory DEFAULT Options:

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

**Other Options Specified:

TEMP_Sub - Meteorological data includes TEMP substitutions

**Model Assumes No FLAGPOLE Receptor Heights.

**The User Specified a Pollutant Type of: ETHYLENE

**Model Calculates 1 Short Term Average(s) of: 1-HR
and Calculates ANNUAL Averages

**This Run Includes: 24 Source(s); 1 Source Group(s); and 452 Receptor(s)

with: 24 POINT(s), including
0 POINTCAP(s) and 0 POINTHOR(s)
and: 0 VOLUME source(s)
and: 0 AREA type source(s)
and: 0 LINE source(s)
and: 0 OPENPIT source(s)

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

**The AERMET Input Meteorological Data Version Date: 14134

**Output Options Selected:

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

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

**Misc. Inputs: Base Elev. for Pot. Temp. Profile (m MSL) = 58.00 ; 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: Puente Hills LFP Ethylene dichloride.err

**File for Summary of Results: Puente Hills LFP Ethylene dichloride.sum

*** AERMOD - VERSION 15181 *** *** C:\Lakes\AERMOD View\6351 Puente Hills Landfill Park\6351 Puente Hil *** 04/20/16
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**MODELOPTs: RegDEFAULT CONC ELEV URBAN

*** POINT SOURCE DATA ***

SOURCE ID	NUMBER PART. CATS.	EMISSION RATE (GRAMS/SEC)	X (METERS)	Y (METERS)	BASE ELEV. (METERS)	STACK HEIGHT (METERS)	STACK TEMP. (DEG.K)	STACK EXIT VEL. (M/SEC)	STACK DIAMETER (METERS)	BLDG EXISTS	URBAN SOURCE	CAP/ HOR	EMIS RATE SCALAR VARY BY
FLARE1	0	0.93629E-05	405412.4	3765266.5	181.6	10.23	1088.71	4.25	2.53	NO	YES	NO	
FLARE2	0	0.93629E-05	405417.6	3765268.6	181.6	10.23	1088.71	4.25	2.53	NO	YES	NO	
FLARE3	0	0.93629E-05	405415.4	3765263.0	181.6	10.23	1088.71	4.25	2.53	NO	YES	NO	
FLARE4	0	0.93629E-05	405420.8	3765264.1	181.7	10.23	1088.71	4.25	2.53	NO	YES	NO	
FLARE5	0	0.93629E-05	405417.3	3765258.9	181.6	10.23	1088.71	4.25	2.53	NO	YES	NO	
FLARE6	0	0.93629E-05	405423.4	3765260.7	181.7	10.23	1088.71	4.25	2.53	NO	YES	NO	
FLARE7	0	0.93629E-05	405418.2	3765254.7	181.7	10.23	1088.71	4.25	2.53	NO	YES	NO	
FLARE8	0	0.93629E-05	405426.8	3765256.8	181.8	10.23	1088.71	4.25	2.53	NO	YES	NO	
FLARE9	0	0.93629E-05	405420.2	3765250.9	181.7	10.23	1088.71	4.25	2.53	NO	YES	NO	
FLARE10	0	0.93629E-05	405429.1	3765252.5	181.8	10.23	1088.71	4.25	2.53	NO	YES	NO	
FLARE11	0	0.93629E-05	405423.4	3765246.7	181.7	10.23	1088.71	4.25	2.53	NO	YES	NO	
FLARE12	0	0.93629E-05	405431.6	3765249.4	181.8	10.23	1088.71	4.25	2.53	NO	YES	NO	
FLARE13	0	0.93629E-05	405427.5	3765242.0	181.8	10.23	1088.71	4.25	2.53	NO	YES	NO	
FLARE14	0	0.93629E-05	405433.8	3765244.8	181.9	10.23	1088.71	4.25	2.53	NO	YES	NO	
FLARE15	0	0.93629E-05	405430.4	3765236.8	181.8	10.23	1088.71	4.25	2.53	NO	YES	NO	

FLARE16	0	0.93629E-05	405436.6	3765241.3	181.9	10.23	1088.71	4.25	2.53	NO	YES	NO
FLARE17	0	0.93629E-05	405433.6	3765232.4	181.9	10.23	1088.71	4.25	2.53	NO	YES	NO
FLARE18	0	0.93629E-05	405439.8	3765236.9	181.9	10.23	1088.71	4.25	2.53	NO	YES	NO
FLARE19	0	0.93629E-05	405436.7	3765227.8	181.9	10.23	1088.71	4.25	2.53	NO	YES	NO
FLARE20	0	0.93629E-05	405442.4	3765233.3	182.0	10.23	1088.71	4.25	2.53	NO	YES	NO
FLARE21	0	0.93629E-05	405440.2	3765223.7	181.9	10.23	1088.71	4.25	2.53	NO	YES	NO
FLARE22	0	0.93629E-05	405445.5	3765228.5	182.0	10.23	1088.71	4.25	2.53	NO	YES	NO
FLARE23	0	0.93629E-05	405442.9	3765219.3	182.0	10.23	1088.71	4.25	2.53	NO	YES	NO
FLARE24	0	0.93629E-05	405449.3	3765223.9	181.9	10.23	1088.71	4.25	2.53	NO	YES	NO

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**MODELOPTs: RegDFAULT CONC ELEV URBAN

*** SOURCE IDs DEFINING SOURCE GROUPS ***

SRCGROUP ID	SOURCE IDs															
-----	-----															
ALL	FLARE1	,	FLARE2	,	FLARE3	,	FLARE4	,	FLARE5	,	FLARE6	,	FLARE7	,	FLARE8	,
	FLARE9	,	FLARE10	,	FLARE11	,	FLARE12	,	FLARE13	,	FLARE14	,	FLARE15	,	FLARE16	,
	FLARE17	,	FLARE18	,	FLARE19	,	FLARE20	,	FLARE21	,	FLARE22	,	FLARE23	,	FLARE24	,

*** AERMOD - VERSION 15181 *** *** C:\Lakes\AERMOD View\6351 Puente Hills Landfill Park\6351 Puente Hil *** 04/20/16
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**MODELOPTs: RegDFAULT CONC ELEV URBAN

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

URBAN ID	URBAN POP	SOURCE IDs															
-----	-----	-----															
FLARE8	9862049.	FLARE1	,	FLARE2	,	FLARE3	,	FLARE4	,	FLARE5	,	FLARE6	,	FLARE7	,		
		FLARE9	,	FLARE10	,	FLARE11	,	FLARE12	,	FLARE13	,	FLARE14	,	FLARE15	,	FLARE16	,
		FLARE17	,	FLARE18	,	FLARE19	,	FLARE20	,	FLARE21	,	FLARE22	,	FLARE23	,	FLARE24	,

*** AERMOD - VERSION 15181 *** *** C:\Lakes\AERMOD View\6351 Puente Hills Landfill Park\6351 Puente Hil *** 04/20/16
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**MODELOPTs: RegDFAULT CONC ELEV URBAN

*** GRIDDED RECEPTOR NETWORK SUMMARY ***

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

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

404717.5, 404876.5, 405035.6, 405194.7, 405353.7, 405512.8, 405671.9, 405831.0, 405990.0, 406149.1,
406308.2, 406467.2, 406626.3, 406785.4, 406944.4, 407103.5, 407262.6, 407421.7, 407580.7, 407739.8,
407898.9,

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

3763920.0, 3764017.2, 3764114.3, 3764211.4, 3764308.6, 3764405.7, 3764502.9, 3764600.0, 3764697.1, 3764794.3,
3764891.4, 3764988.6, 3765085.7, 3765182.8, 3765280.0, 3765377.1, 3765474.3, 3765571.4, 3765668.5, 3765765.7,
3765862.8,

*** AERMOD - VERSION 15181 *** *** C:\Lakes\AERMOD View\6351 Puente Hills Landfill Park\6351 Puente Hil *** 04/20/16
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**MODELOPTs: RegDFault CONC ELEV URBAN

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

* ELEVATION HEIGHTS IN METERS *

Y-COORD (METERS)	X-COORD (METERS)								
	404717.46	404876.53	405035.60	405194.67	405353.74	405512.81	405671.88	405830.95	405990.02
3765862.83	85.20	86.70	88.10	89.80	90.80	91.00	95.30	97.70	97.60
3765765.69	88.00	89.30	91.00	94.80	98.90	99.40	104.00	109.00	109.90
3765668.55	92.90	93.50	102.50	106.30	109.10	108.80	113.00	121.00	120.80
3765571.41	101.00	106.10	116.80	124.20	124.70	117.00	117.30	124.50	121.10
3765474.27	109.40	115.90	132.00	161.80	163.10	122.70	125.40	130.20	121.80
3765377.13	115.60	122.00	145.70	178.70	180.70	138.00	152.10	139.20	121.20
3765279.99	119.10	127.70	157.90	180.20	181.00	174.60	174.50	156.40	131.80
3765182.85	121.50	136.60	167.70	180.50	181.90	182.10	182.00	174.90	168.00
3765085.71	125.30	146.90	177.00	181.90	185.70	191.60	182.00	182.00	184.20
3764988.57	124.50	139.80	172.30	181.90	194.40	221.20	192.20	190.60	201.00
3764891.43	121.60	127.80	162.80	181.70	210.40	242.30	223.60	216.80	231.60
3764794.29	121.80	132.20	165.00	192.00	229.20	245.50	246.70	242.80	245.30
3764697.15	124.00	142.10	174.70	207.10	240.70	250.90	260.70	268.50	279.10
3764600.01	125.70	140.80	179.10	204.50	233.90	258.20	281.20	295.40	302.00
3764502.87	122.10	125.00	177.00	187.00	218.30	262.80	299.20	303.40	302.80
3764405.73	121.00	144.60	179.30	181.90	211.60	263.90	304.00	303.80	303.90
3764308.59	146.30	164.20	181.70	182.00	220.20	264.90	304.00	303.50	297.60
3764211.45	174.40	180.90	182.00	182.00	229.50	265.30	293.20	290.50	276.00
3764114.31	171.50	170.00	180.40	182.00	228.70	262.60	281.20	272.60	252.30

3764017.17	121.00	151.40	179.00	181.90	232.40	255.60	268.20	257.90	243.50
3763920.03	123.00	148.90	183.50	197.80	241.00	247.10	253.90	250.20	243.70

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**MODELOPTs: RegDEFAULT CONC ELEV URBAN

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

* ELEVATION HEIGHTS IN METERS *

Y-COORD (METERS)	406149.09	406308.16	406467.23	406626.30	406785.37	406944.44	407103.51	407262.58	407421.65
3765862.83	91.80	88.90	87.90	93.00	98.60	102.20	99.00	97.50	94.70
3765765.69	101.30	95.70	95.00	99.00	108.40	112.80	108.00	105.20	105.70
3765668.55	111.90	109.30	110.60	113.00	126.00	147.00	130.70	131.70	135.30
3765571.41	118.80	121.20	120.30	117.90	133.60	177.80	156.80	158.40	161.60
3765474.27	126.50	144.40	151.70	127.90	164.20	183.80	183.70	183.30	185.80
3765377.13	138.10	167.60	180.80	156.00	177.30	192.30	195.70	197.70	200.80
3765279.99	161.50	182.70	185.20	172.90	188.80	199.00	201.20	209.50	212.90
3765182.85	191.40	193.30	190.10	192.50	202.60	219.30	231.20	250.40	236.10
3765085.71	229.10	207.40	194.10	206.00	216.30	231.40	250.90	256.80	244.90
3764988.57	243.20	225.30	214.60	225.80	226.50	226.20	227.40	232.10	232.10
3764891.43	255.60	246.70	243.80	247.20	236.80	225.50	210.80	214.80	226.80
3764794.29	277.90	279.40	280.10	270.10	251.20	238.70	215.80	203.70	239.10
3764697.15	297.40	300.80	302.60	288.20	261.50	248.70	223.20	195.80	225.90
3764600.01	303.50	304.00	305.10	297.60	265.00	247.90	222.20	190.60	198.40
3764502.87	303.90	303.50	303.50	298.20	262.00	240.50	208.40	185.40	184.50
3764405.73	303.80	302.50	301.00	295.80	257.30	233.20	207.70	179.10	177.00
3764308.59	293.60	300.30	299.40	296.50	262.00	233.10	223.50	184.50	173.70
3764211.45	277.00	295.40	303.20	302.20	278.10	241.70	237.60	209.30	190.90
3764114.31	258.70	290.30	306.90	307.60	289.30	250.60	252.50	235.30	211.20
3764017.17	244.30	289.20	303.10	304.30	294.80	262.20	253.10	244.20	212.60
3763920.03	251.70	287.60	300.70	299.50	297.00	274.70	257.00	234.70	215.20

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**MODELOPTs: RegDEFAULT CONC ELEV URBAN

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

* ELEVATION HEIGHTS IN METERS *

Y-COORD (METERS)	407580.72	407739.79	407898.86

3765862.83	87.60	83.40	78.20
3765765.69	102.50	97.50	91.70
3765668.55	116.90	112.80	103.10
3765571.41	129.10	121.80	114.90
3765474.27	156.60	146.00	138.50
3765377.13	182.60	174.00	173.40
3765279.99	203.70	197.40	195.90
3765182.85	227.90	226.10	206.00
3765085.71	234.50	231.90	205.50
3764988.57	220.40	210.80	196.60
3764891.43	226.00	212.30	186.50
3764794.29	249.90	238.50	206.80
3764697.15	259.40	252.50	223.70
3764600.01	245.40	248.40	223.70
3764502.87	221.90	229.20	208.80
3764405.73	188.10	194.70	185.80
3764308.59	164.80	160.90	153.60
3764211.45	177.30	166.10	141.70
3764114.31	196.00	186.80	150.60
3764017.17	188.40	181.90	150.80
3763920.03	176.00	164.80	150.40

*** AERMOD - VERSION 15181 ***
 *** AERMET - VERSION 14134 ***

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 *** Ethylene dichloride ***

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**MODELOPTs: RegDFAULT CONC ELEV URBAN

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

* HILL HEIGHT SCALES IN METERS *

Y-COORD (METERS)	404717.46	404876.53	405035.60	405194.67	405353.74	405512.81	405671.88	405830.95	405990.02
3765862.83	306.00	306.00	306.00	307.00	308.00	311.00	311.00	311.00	311.00
3765765.69	306.00	306.00	306.00	308.00	308.00	311.00	311.00	311.00	311.00
3765668.55	306.00	306.00	306.00	307.00	308.00	311.00	311.00	311.00	311.00
3765571.41	306.00	306.00	306.00	306.00	306.00	311.00	311.00	311.00	311.00
3765474.27	306.00	306.00	306.00	305.00	306.00	311.00	311.00	311.00	311.00
3765377.13	306.00	306.00	306.00	304.00	305.00	308.00	308.00	311.00	311.00
3765279.99	306.00	306.00	305.00	304.00	305.00	306.00	306.00	311.00	311.00
3765182.85	306.00	306.00	305.00	305.00	306.00	306.00	306.00	308.00	311.00
3765085.71	306.00	305.00	304.00	305.00	306.00	306.00	307.00	308.00	311.00
3764988.57	306.00	306.00	305.00	305.00	305.00	304.00	306.00	308.00	308.00
3764891.43	306.00	307.00	306.00	305.00	304.00	304.00	306.00	306.00	306.00
3764794.29	306.00	307.00	305.00	305.00	304.00	304.00	304.00	306.00	306.00
3764697.15	307.00	306.00	305.00	304.00	304.00	304.00	304.00	304.00	304.00
3764600.01	307.00	307.00	305.00	304.00	304.00	304.00	304.00	304.00	302.00
3764502.87	308.00	354.00	305.00	305.00	304.00	304.00	304.00	303.40	302.80
3764405.73	349.00	307.00	304.00	305.00	304.00	304.00	304.00	303.80	303.90

3764308.59		304.00	304.00	304.00	305.00	304.00	304.00	304.00	303.50	297.60
3764211.45		304.00	304.00	304.00	307.00	304.00	304.00	304.00	304.00	304.00
3764114.31		304.00	304.00	304.00	307.00	304.00	304.00	304.00	304.00	308.00
3764017.17		354.00	354.00	304.00	354.00	304.00	304.00	304.00	304.00	308.00
3763920.03		354.00	354.00	304.00	304.00	304.00	304.00	304.00	304.00	308.00

*** AERMOD - VERSION 15181 *** *** C:\Lakes\AERMOD View\6351 Puente Hills Landfill Park\6351 Puente Hil *** 04/20/16
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**MODELOPTs: RegDFAULT CONC ELEV URBAN

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

* HILL HEIGHT SCALES IN METERS *

Y-COORD (METERS)		406149.09	406308.16	406467.23	406626.30	406785.37	406944.44	407103.51	407262.58	407421.65
3765862.83		311.00	311.00	311.00	311.00	311.00	311.00	311.00	311.00	311.00
3765765.69		311.00	311.00	311.00	311.00	311.00	311.00	311.00	311.00	311.00
3765668.55		311.00	311.00	311.00	311.00	311.00	311.00	311.00	311.00	311.00
3765571.41		311.00	311.00	311.00	311.00	311.00	306.00	311.00	306.00	306.00
3765474.27		311.00	311.00	311.00	311.00	311.00	306.00	306.00	306.00	267.00
3765377.13		311.00	311.00	306.00	311.00	311.00	306.00	306.00	306.00	267.00
3765279.99		311.00	311.00	311.00	311.00	311.00	306.00	306.00	302.00	263.00
3765182.85		308.00	311.00	311.00	311.00	306.00	306.00	263.00	263.00	263.00
3765085.71		306.00	306.00	311.00	311.00	306.00	306.00	259.00	263.00	263.00
3764988.57		306.00	306.00	311.00	306.00	306.00	306.00	306.00	263.00	267.00
3764891.43		306.00	306.00	306.00	306.00	306.00	311.00	311.00	311.00	267.00
3764794.29		305.00	306.00	306.00	306.00	306.00	306.00	311.00	311.00	267.00
3764697.15		303.00	300.80	302.60	306.00	306.00	306.00	311.00	311.00	267.00
3764600.01		303.50	304.00	305.10	306.00	306.00	311.00	311.00	311.00	311.00
3764502.87		303.90	303.50	303.50	306.00	311.00	311.00	311.00	311.00	311.00
3764405.73		303.80	302.50	301.00	304.00	311.00	311.00	311.00	354.00	354.00
3764308.59		304.00	300.30	299.40	296.50	311.00	311.00	311.00	354.00	354.00
3764211.45		304.00	295.40	303.20	302.20	311.00	311.00	311.00	345.00	354.00
3764114.31		308.00	307.00	306.90	307.60	311.00	311.00	311.00	311.00	345.00
3764017.17		311.00	307.00	303.10	304.30	311.00	311.00	311.00	311.00	354.00
3763920.03		309.00	304.00	300.70	299.50	297.00	311.00	311.00	345.00	354.00

*** AERMOD - VERSION 15181 *** *** C:\Lakes\AERMOD View\6351 Puente Hills Landfill Park\6351 Puente Hil *** 04/20/16
 *** AERMET - VERSION 14134 *** *** Ethylene dichloride *** 14:54:23
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**MODELOPTs: RegDFAULT CONC ELEV URBAN

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

* HILL HEIGHT SCALES IN METERS *

Y-COORD		X-COORD (METERS)

(METERS) | 407580.72 407739.79 407898.86

3765862.83	311.00	311.00	311.00
3765765.69	311.00	311.00	311.00
3765668.55	311.00	311.00	311.00
3765571.41	311.00	311.00	311.00
3765474.27	306.00	306.00	306.00
3765377.13	267.00	267.00	267.00
3765279.99	267.00	267.00	267.00
3765182.85	263.00	240.00	267.00
3765085.71	238.00	240.00	267.00
3764988.57	267.00	267.00	267.00
3764891.43	267.00	267.00	267.00
3764794.29	267.00	267.00	267.00
3764697.15	267.00	265.00	267.00
3764600.01	267.00	265.00	267.00
3764502.87	267.00	267.00	267.00
3764405.73	345.00	311.00	343.00
3764308.59	354.00	354.00	354.00
3764211.45	354.00	354.00	354.00
3764114.31	352.00	352.00	354.00
3764017.17	354.00	354.00	354.00
3763920.03	354.00	354.00	354.00

*** AERMOD - VERSION 15181 *** C:\Lakes\AERMOD View\6351 Puente Hills Landfill Park\6351 Puente Hil *** 04/20/16
*** AERMET - VERSION 14134 *** Ethylene dichloride *** 14:54:23
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**MODELOPTs: RegDEFAULT CONC ELEV URBAN

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

(405475.9, 3765283.3,	178.5,	306.0,	0.0);	(405487.3, 3765227.6,	181.1,	306.0,	0.0);
(405496.8, 3765177.1,	182.5,	306.0,	0.0);	(405361.1, 3765124.2,	183.8,	306.0,	0.0);
(405556.6, 3765179.2,	182.0,	306.0,	0.0);	(405517.0, 3765024.9,	207.2,	305.0,	0.0);
(405795.3, 3765005.2,	188.0,	308.0,	0.0);	(406083.9, 3765241.0,	155.0,	311.0,	0.0);
(406158.4, 3764974.0,	244.3,	306.0,	0.0);	(405659.6, 3764787.4,	247.3,	304.0,	0.0);
(405927.5, 3765602.5,	122.2,	311.0,	0.0);				

*** AERMOD - VERSION 15181 *** C:\Lakes\AERMOD View\6351 Puente Hills Landfill Park\6351 Puente Hil *** 04/20/16
*** AERMET - VERSION 14134 *** Ethylene dichloride *** 14:54:23
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**MODELOPTs: RegDEFAULT CONC ELEV URBAN

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

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

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

1.54, 3.09, 5.14, 8.23, 10.80,

```

*** AERMOD - VERSION 15181 ***      *** C:\Lakes\AERMOD View\6351 Puente Hills Landfill Park\6351 Puente Hil ***      04/20/16
*** AERMET - VERSION 14134 ***      *** Ethylene dichloride ***      14:54:23
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**MODELOPTs:   RegDFAULT CONC      ELEV      URBAN

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

```

Surface file: C:\Users\Kate Wilson\Desktop\Met data\pico8.sfc
Profile file: C:\Users\Kate Wilson\Desktop\Met data\pico8.PFL
Surface format: FREE
Profile format: FREE
Surface station no.: 0
Upper air station no.: 3190
Name: UNKNOWN
Year: 2008
Name: UNKNOWN
Year: 2008

```

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
08	01	01	1	01	-999.0	-9.0000	-9.000	-9.000	-999.	-999.	-999999.0	0.34	1.00	1.00	999.00	999.	-9.0	285.4	5.5			
08	01	01	1	02	-999.0	-9.0000	-9.000	-9.000	-999.	-999.	-999999.0	0.34	1.00	1.00	999.00	999.	-9.0	284.2	5.5			
08	01	01	1	03	-999.0	-9.0000	-9.000	-9.000	-999.	-999.	-999999.0	0.34	1.00	1.00	999.00	999.	-9.0	283.8	5.5			
08	01	01	1	04	-999.0	-9.0000	-9.000	-9.000	-999.	-999.	-999999.0	0.34	1.00	1.00	999.00	999.	-9.0	284.2	5.5			
08	01	01	1	05	-999.0	-9.0000	-9.000	-9.000	-999.	-999.	-999999.0	0.34	1.00	1.00	999.00	999.	-9.0	284.9	5.5			
08	01	01	1	06	-999.0	-9.0000	-9.000	-9.000	-999.	-999.	-999999.0	0.34	1.00	1.00	999.00	999.	-9.0	285.4	5.5			
08	01	01	1	07	-999.0	-9.0000	-9.000	-9.000	-999.	-999.	-999999.0	0.34	1.00	1.00	999.00	999.	-9.0	285.9	5.5			
08	01	01	1	08	-999.0	-9.0000	-9.000	-9.000	-999.	-999.	-999999.0	0.34	1.00	0.54	999.00	999.	-9.0	286.4	5.5			
08	01	01	1	09	28.6	-9.0000	-9.000	-9.000	61.	-999.	-999999.0	0.34	1.00	0.32	999.00	999.	-9.0	287.0	5.5			
08	01	01	1	10	83.5	-9.0000	-9.000	-9.000	164.	-999.	-999999.0	0.34	1.00	0.24	999.00	999.	-9.0	289.2	5.5			
08	01	01	1	11	131.2	-9.0000	-9.000	-9.000	427.	-999.	-999999.0	0.34	1.00	0.21	999.00	999.	-9.0	292.5	5.5			
08	01	01	1	12	130.6	-9.0000	-9.000	-9.000	620.	-999.	-999999.0	0.34	1.00	0.20	999.00	999.	-9.0	294.2	5.5			
08	01	01	1	13	112.1	-9.0000	-9.000	-9.000	723.	-999.	-999999.0	0.34	1.00	0.20	999.00	999.	-9.0	294.9	5.5			
08	01	01	1	14	86.7	-9.0000	-9.000	-9.000	762.	-999.	-999999.0	0.34	1.00	0.21	999.00	999.	-9.0	294.9	5.5			
08	01	01	1	15	37.3	-9.0000	-9.000	-9.000	778.	-999.	-999999.0	0.34	1.00	0.25	999.00	999.	-9.0	294.2	5.5			
08	01	01	1	16	12.7	-9.0000	-9.000	-9.000	783.	-999.	-999999.0	0.34	1.00	0.33	999.00	999.	-9.0	293.8	5.5			
08	01	01	1	17	-999.0	-9.0000	-9.000	-9.000	-999.	-999.	-999999.0	0.34	1.00	0.60	999.00	999.	-9.0	292.5	5.5			

3764308.59	0.00001	0.00001	0.00001	0.00001	0.00001	0.00001	0.00001	0.00001	0.00001
3764211.45	0.00001	0.00001	0.00001	0.00001	0.00000	0.00000	0.00001	0.00001	0.00001
3764114.31	0.00001	0.00001	0.00001	0.00000	0.00000	0.00000	0.00001	0.00001	0.00001
3764017.17	0.00001	0.00001	0.00001	0.00000	0.00000	0.00000	0.00000	0.00001	0.00001
3763920.03	0.00001	0.00001	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000

*** AERMOD - VERSION 15181 *** *** C:\Lakes\AERMOD View\6351 Puente Hills Landfill Park\6351 Puente Hil *** 04/20/16
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**MODELOPTs: RegDFAULT CONC ELEV URBAN

*** THE ANNUAL AVERAGE CONCENTRATION VALUES AVERAGED OVER 5 YEARS FOR SOURCE GROUP: ALL ***
 INCLUDING SOURCE(S): FLARE1 , FLARE2 , FLARE3 , FLARE4 , FLARE5 ,
 FLARE6 , FLARE7 , FLARE8 , FLARE9 , FLARE10 , FLARE11 , FLARE12 , FLARE13 ,
 FLARE14 , FLARE15 , FLARE16 , FLARE17 , FLARE18 , FLARE19 , FLARE20 , FLARE21 ,
 FLARE22 , FLARE23 , FLARE24 ,

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

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

**

Y-COORD (METERS)	X-COORD (METERS)								
	406149.09	406308.16	406467.23	406626.30	406785.37	406944.44	407103.51	407262.58	407421.65
3765862.83	0.00002	0.00002	0.00001	0.00001	0.00001	0.00001	0.00001	0.00001	0.00001
3765765.69	0.00002	0.00002	0.00001	0.00001	0.00001	0.00001	0.00001	0.00001	0.00000
3765668.55	0.00002	0.00001	0.00001	0.00001	0.00001	0.00001	0.00001	0.00001	0.00000
3765571.41	0.00002	0.00001	0.00001	0.00001	0.00001	0.00001	0.00001	0.00000	0.00000
3765474.27	0.00002	0.00001	0.00001	0.00001	0.00001	0.00001	0.00001	0.00001	0.00000
3765377.13	0.00001	0.00001	0.00001	0.00001	0.00001	0.00001	0.00001	0.00000	0.00000
3765279.99	0.00001	0.00001	0.00001	0.00001	0.00001	0.00001	0.00000	0.00000	0.00000
3765182.85	0.00001	0.00001	0.00001	0.00001	0.00001	0.00001	0.00000	0.00000	0.00000
3765085.71	0.00001	0.00001	0.00001	0.00001	0.00001	0.00001	0.00001	0.00000	0.00000
3764988.57	0.00001	0.00001	0.00001	0.00001	0.00001	0.00000	0.00000	0.00000	0.00000
3764891.43	0.00001	0.00001	0.00001	0.00001	0.00001	0.00000	0.00000	0.00000	0.00000
3764794.29	0.00001	0.00001	0.00001	0.00001	0.00001	0.00000	0.00000	0.00000	0.00000
3764697.15	0.00001	0.00001	0.00001	0.00001	0.00001	0.00001	0.00000	0.00000	0.00000
3764600.01	0.00001	0.00001	0.00001	0.00001	0.00001	0.00001	0.00000	0.00000	0.00000
3764502.87	0.00001	0.00001	0.00001	0.00001	0.00001	0.00000	0.00000	0.00000	0.00000
3764405.73	0.00001	0.00001	0.00001	0.00001	0.00001	0.00000	0.00000	0.00000	0.00000
3764308.59	0.00001	0.00001	0.00001	0.00001	0.00001	0.00000	0.00000	0.00000	0.00000
3764211.45	0.00001	0.00001	0.00001	0.00001	0.00001	0.00000	0.00000	0.00000	0.00000
3764114.31	0.00001	0.00001	0.00001	0.00001	0.00001	0.00000	0.00000	0.00000	0.00000
3764017.17	0.00001	0.00001	0.00001	0.00001	0.00001	0.00000	0.00000	0.00000	0.00000
3763920.03	0.00001	0.00001	0.00001	0.00001	0.00001	0.00000	0.00000	0.00000	0.00000

*** AERMOD - VERSION 15181 *** *** C:\Lakes\AERMOD View\6351 Puente Hills Landfill Park\6351 Puente Hil *** 04/20/16
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**MODELOPTs: RegDFAULT CONC ELEV URBAN

*** THE ANNUAL AVERAGE CONCENTRATION VALUES AVERAGED OVER 5 YEARS FOR SOURCE GROUP: ALL ***
 INCLUDING SOURCE(S): FLARE1 , FLARE2 , FLARE3 , FLARE4 , FLARE5 ,
 FLARE6 , FLARE7 , FLARE8 , FLARE9 , FLARE10 , FLARE11 , FLARE12 , FLARE13 ,
 FLARE14 , FLARE15 , FLARE16 , FLARE17 , FLARE18 , FLARE19 , FLARE20 , FLARE21 ,
 FLARE22 , FLARE23 , FLARE24 ,

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

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

**

Y-COORD (METERS)	407580.72	407739.79	407898.86	X-COORD (METERS)
3765862.83	0.00000	0.00000	0.00000	
3765765.69	0.00000	0.00000	0.00000	
3765668.55	0.00000	0.00000	0.00000	
3765571.41	0.00000	0.00000	0.00000	
3765474.27	0.00000	0.00000	0.00000	
3765377.13	0.00000	0.00000	0.00000	
3765279.99	0.00000	0.00000	0.00000	
3765182.85	0.00000	0.00000	0.00000	
3765085.71	0.00000	0.00000	0.00000	
3764988.57	0.00000	0.00000	0.00000	
3764891.43	0.00000	0.00000	0.00000	
3764794.29	0.00000	0.00000	0.00000	
3764697.15	0.00000	0.00000	0.00000	
3764600.01	0.00000	0.00000	0.00000	
3764502.87	0.00000	0.00000	0.00000	
3764405.73	0.00000	0.00000	0.00000	
3764308.59	0.00000	0.00000	0.00000	
3764211.45	0.00000	0.00000	0.00000	
3764114.31	0.00000	0.00000	0.00000	
3764017.17	0.00000	0.00000	0.00000	
3763920.03	0.00000	0.00000	0.00000	

*** AERMOD - VERSION 15181 *** *** C:\Lakes\AERMOD View\6351 Puente Hills Landfill Park\6351 Puente Hil *** 04/20/16
 *** AERMET - VERSION 14134 *** *** Ethylene dichloride *** 14:54:23
 **MODELOPTs: RegDEFAULT CONC ELEV URBAN PAGE 18

*** THE ANNUAL AVERAGE CONCENTRATION VALUES AVERAGED OVER 5 YEARS FOR SOURCE GROUP: ALL ***
 INCLUDING SOURCE(S): FLARE1 , FLARE2 , FLARE3 , FLARE4 , FLARE5 ,
 FLARE6 , FLARE7 , FLARE8 , FLARE9 , FLARE10 , FLARE11 , FLARE12 , FLARE13 ,
 FLARE14 , FLARE15 , FLARE16 , FLARE17 , FLARE18 , FLARE19 , FLARE20 , FLARE21 ,
 FLARE22 , FLARE23 , FLARE24 ,

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

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

**

X-COORD (M)	Y-COORD (M)	CONC	X-COORD (M)	Y-COORD (M)	CONC
405475.87	3765283.33	0.00015	405487.28	3765227.63	0.00008
405496.83	3765177.10	0.00008	405361.06	3765124.16	0.00007
405556.64	3765179.21	0.00006	405516.99	3765024.87	0.00003
405795.26	3765005.20	0.00002	406083.86	3765241.01	0.00001
406158.41	3764974.02	0.00001	405659.63	3764787.39	0.00001
405927.52	3765602.51	0.00003			

*** AERMOD - VERSION 15181 *** *** C:\Lakes\AERMOD View\6351 Puente Hills Landfill Park\6351 Puente Hil *** 04/20/16
 *** AERMET - VERSION 14134 *** *** Ethylene dichloride *** 14:54:23
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**MODELOPTs: RegDEFAULT CONC ELEV URBAN

*** THE 1ST HIGHEST 1-HR AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: ALL ***
 INCLUDING SOURCE(S): FLARE1 , FLARE2 , FLARE3 , FLARE4 , FLARE5 ,
 FLARE6 , FLARE7 , FLARE8 , FLARE9 , FLARE10 , FLARE11 , FLARE12 , FLARE13 ,
 FLARE14 , FLARE15 , FLARE16 , FLARE17 , FLARE18 , FLARE19 , FLARE20 , FLARE21 ,
 FLARE22 , FLARE23 , FLARE24 ,

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

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

**

Y-COORD (METERS)	404717.46	404876.53	X-COORD (METERS) 405035.60	405194.67	405353.74
3765862.8	0.00058 (08010421)	0.00066 (08010422)	0.00079 (08012705)	0.00090 (10122017)	0.00091 (08010501)
3765765.7	0.00059 (08010421)	0.00076 (08010421)	0.00090 (08010422)	0.00107 (10122017)	0.00117 (08010501)
3765668.5	0.00053 (08010421)	0.00081 (08010421)	0.00105 (08010422)	0.00124 (08010423)	0.00154 (08010501)
3765571.4	0.00053 (08012421)	0.00070 (08010421)	0.00114 (08010421)	0.00157 (08010422)	0.00205 (08010501)
3765474.3	0.00054 (12041104)	0.00057 (08012421)	0.00094 (08010421)	0.00183 (08010422)	0.00309 (08010424)
3765377.1	0.00064 (11032018)	0.00072 (11032018)	0.00078 (12042514)	0.00186 (10100512)	0.00630 (08010424)
3765280.0	0.00080 (11032018)	0.00104 (11032018)	0.00132 (11032018)	0.00212 (10102712)	0.00269 (08101709)
3765182.8	0.00077 (11032018)	0.00098 (11032018)	0.00123 (08022207)	0.00283 (11120103)	0.00480 (11120103)
3765085.7	0.00077 (08022207)	0.00102 (08022207)	0.00166 (11120103)	0.00329 (08012701)	0.00302 (08010701)
3764988.6	0.00075 (08022207)	0.00085 (08022207)	0.00151 (08012701)	0.00238 (08012620)	0.00140 (08010701)
3764891.4	0.00060 (08022207)	0.00080 (08012620)	0.00126 (08012620)	0.00206 (08010701)	0.00203 (09060302)
3764794.3	0.00058 (08012624)	0.00082 (08012624)	0.00105 (08112604)	0.00158 (08010701)	0.00141 (09060302)
3764697.1	0.00062 (08012624)	0.00075 (08012619)	0.00104 (08022206)	0.00096 (08010623)	0.00091 (10120518)
3764600.0	0.00058 (08012624)	0.00067 (08112604)	0.00097 (08022206)	0.00080 (09060302)	0.00091 (09060302)
3764502.9	0.00053 (08022323)	0.00059 (12030705)	0.00079 (08022206)	0.00083 (09060302)	0.00094 (09060302)
3764405.7	0.00049 (12030705)	0.00055 (08022206)	0.00068 (08010623)	0.00080 (09060302)	0.00081 (09060302)
3764308.6	0.00047 (12030705)	0.00055 (08010623)	0.00058 (08010623)	0.00075 (09060302)	0.00069 (09060302)
3764211.4	0.00051 (12030705)	0.00057 (08010623)	0.00052 (09060302)	0.00069 (09060302)	0.00057 (09060302)
3764114.3	0.00047 (08010623)	0.00046 (08010623)	0.00050 (09060302)	0.00063 (09060302)	0.00051 (09060302)

3764017.2		0.00035 (08010623)	0.00035 (08010623)	0.00048 (09060302)	0.00057 (09060302)	0.00044 (09060302)
3763920.0		0.00032 (08010623)	0.00030 (08010623)	0.00047 (09060302)	0.00056 (09060302)	0.00037 (09060302)

*** AERMOD - VERSION 15181 ***	*** C:\Lakes\AERMOD View\6351 Puente Hills Landfill Park\6351 Puente Hil ***	04/20/16
*** AERMET - VERSION 14134 ***	*** Ethylene dichloride ***	14:54:23
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**MODELOPTs: RegDEFAULT CONC ELEV URBAN

*** THE 1ST HIGHEST 1-HR AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: ALL ***
INCLUDING SOURCE(S): FLARE1 , FLARE2 , FLARE3 , FLARE4 , FLARE5 ,
FLARE6 , FLARE7 , FLARE8 , FLARE9 , FLARE10 , FLARE11 , FLARE12 , FLARE13 ,
FLARE14 , FLARE15 , FLARE16 , FLARE17 , FLARE18 , FLARE19 , FLARE20 , FLARE21 ,
FLARE22 , FLARE23 , FLARE24 ,

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

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

Y-COORD (METERS)	405512.81	405671.88	X-COORD (METERS) 405830.95	405990.02	406149.09	
3765862.8		0.00095 (10033118)	0.00086 (10042118)	0.00074 (11102318)	0.00064 (12041318)	0.00059 (12090919)
3765765.7		0.00110 (10033118)	0.00106 (10042118)	0.00081 (08020318)	0.00072 (12090919)	0.00059 (12090919)
3765668.5		0.00125 (10033118)	0.00122 (10042118)	0.00089 (12041318)	0.00075 (12090919)	0.00065 (12031819)
3765571.4		0.00161 (10042118)	0.00119 (10042118)	0.00093 (12090919)	0.00082 (12031818)	0.00066 (12031818)
3765474.3		0.00223 (10042118)	0.00109 (12121813)	0.00099 (12031818)	0.00078 (12031818)	0.00054 (12031818)
3765377.1		0.00268 (08052114)	0.00139 (12031815)	0.00079 (12031818)	0.00051 (12031818)	0.00037 (10123010)
3765280.0		0.00289 (12012113)	0.00184 (12111014)	0.00085 (12111014)	0.00057 (10122923)	0.00049 (10122923)
3765182.8		0.00294 (09022810)	0.00171 (10122923)	0.00142 (10122923)	0.00102 (10122923)	0.00094 (10122923)
3765085.7		0.00225 (09011809)	0.00138 (10112810)	0.00145 (10122923)	0.00134 (10122923)	0.00099 (10122923)
3764988.6		0.00169 (09011808)	0.00110 (11111008)	0.00122 (09102718)	0.00086 (10122923)	0.00075 (11030721)
3764891.4		0.00147 (10010903)	0.00121 (12121819)	0.00137 (09102718)	0.00095 (09102718)	0.00072 (10120102)
3764794.3		0.00091 (10010903)	0.00120 (10110404)	0.00101 (12121818)	0.00074 (09102718)	0.00089 (08122103)
3764697.1		0.00067 (10010903)	0.00096 (09011807)	0.00096 (08122803)	0.00098 (09012705)	0.00085 (10011108)
3764600.0		0.00073 (08011224)	0.00111 (09040502)	0.00100 (11022802)	0.00091 (08112603)	0.00080 (09030706)
3764502.9		0.00072 (08011224)	0.00101 (12101721)	0.00092 (10111323)	0.00083 (09011022)	0.00076 (10110523)
3764405.7		0.00064 (08011224)	0.00089 (08121022)	0.00084 (10121119)	0.00078 (12101501)	0.00070 (08112603)
3764308.6		0.00056 (08011224)	0.00080 (12010208)	0.00077 (08100624)	0.00070 (08011420)	0.00066 (10123101)
3764211.4		0.00049 (08011224)	0.00072 (08032304)	0.00070 (09040502)	0.00062 (10030504)	0.00058 (08122803)
3764114.3		0.00040 (08011224)	0.00065 (09011423)	0.00059 (10111204)	0.00043 (10110404)	0.00040 (08121003)
3764017.2		0.00031 (11012704)	0.00051 (09011423)	0.00041 (10111204)	0.00044 (09011808)	0.00036 (09011808)
3763920.0		0.00024 (11012704)	0.00034 (09011423)	0.00032 (10123106)	0.00041 (09011808)	0.00035 (09011808)

*** AERMOD - VERSION 15181 ***	*** C:\Lakes\AERMOD View\6351 Puente Hills Landfill Park\6351 Puente Hil ***	04/20/16
*** AERMET - VERSION 14134 ***	*** Ethylene dichloride ***	14:54:23
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**MODELOPTs: RegDEFAULT CONC ELEV URBAN

*** THE 1ST HIGHEST 1-HR AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: ALL ***
INCLUDING SOURCE(S): FLARE1 , FLARE2 , FLARE3 , FLARE4 , FLARE5 ,

FLARE6 , FLARE7 , FLARE8 , FLARE9 , FLARE10 , FLARE11 , FLARE12 , FLARE13 ,
FLARE14 , FLARE15 , FLARE16 , FLARE17 , FLARE18 , FLARE19 , FLARE20 , FLARE21 ,
FLARE22 , FLARE23 , FLARE24 ,

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

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

**

Y-COORD (METERS)	406308.16	406467.23	X-COORD (METERS) 406626.30	406785.37	406944.44
3765862.8	0.00048 (12031819)	0.00044 (12031819)	0.00038 (12031819)	0.00033 (10102806)	0.00030 (10102806)
3765765.7	0.00054 (12031819)	0.00045 (12031819)	0.00037 (10102806)	0.00034 (10102806)	0.00030 (10102806)
3765668.5	0.00054 (12031818)	0.00042 (12031818)	0.00038 (10102806)	0.00033 (10102806)	0.00029 (10102806)
3765571.4	0.00049 (12031818)	0.00041 (10102806)	0.00034 (10102806)	0.00029 (10102806)	0.00031 (10102806)
3765474.3	0.00041 (10102806)	0.00034 (10102806)	0.00028 (10102806)	0.00029 (10110817)	0.00034 (10110817)
3765377.1	0.00034 (10110817)	0.00042 (10110817)	0.00032 (10110817)	0.00037 (10110817)	0.00036 (10110817)
3765280.0	0.00051 (10122923)	0.00044 (10110817)	0.00037 (10110817)	0.00039 (10110817)	0.00037 (10110817)
3765182.8	0.00072 (10122923)	0.00058 (10122923)	0.00047 (10122923)	0.00038 (10122923)	0.00035 (10110817)
3765085.7	0.00089 (10122923)	0.00072 (10122923)	0.00058 (10122923)	0.00046 (10122923)	0.00040 (11030722)
3764988.6	0.00079 (10122923)	0.00073 (10122923)	0.00059 (10122923)	0.00050 (10122923)	0.00043 (10122923)
3764891.4	0.00053 (09102717)	0.00053 (11030721)	0.00048 (08052119)	0.00047 (08052119)	0.00045 (10122923)
3764794.3	0.00077 (10113005)	0.00068 (08122002)	0.00054 (10012307)	0.00039 (11030721)	0.00041 (08052119)
3764697.1	0.00075 (08042801)	0.00066 (10102719)	0.00058 (12030702)	0.00039 (08122002)	0.00035 (11030721)
3764600.0	0.00071 (10011108)	0.00063 (08042801)	0.00056 (10102719)	0.00042 (10113005)	0.00031 (09102717)
3764502.9	0.00067 (09070623)	0.00060 (09092905)	0.00054 (08042801)	0.00038 (11022803)	0.00033 (09102721)
3764405.7	0.00063 (08112807)	0.00058 (09070623)	0.00051 (09092905)	0.00034 (08122103)	0.00036 (09102721)
3764308.6	0.00059 (10110523)	0.00054 (09030706)	0.00049 (09111106)	0.00036 (08012607)	0.00035 (09102721)
3764211.4	0.00055 (08112603)	0.00052 (09122001)	0.00047 (08031106)	0.00043 (11021806)	0.00033 (09102718)
3764114.3	0.00054 (08122001)	0.00049 (08112107)	0.00045 (08112807)	0.00042 (08122101)	0.00031 (09102718)
3764017.2	0.00051 (08122803)	0.00051 (08111406)	0.00044 (10110523)	0.00041 (08013106)	0.00031 (08122101)
3763920.0	0.00048 (09121606)	0.00044 (08122708)	0.00042 (09030206)	0.00039 (08112807)	0.00035 (08013106)

*** AERMOD - VERSION 15181 *** C:\Lakes\AERMOD View\6351 Puente Hills Landfill Park\6351 Puente Hil ***
*** AERMET - VERSION 14134 *** Ethylene dichloride ***

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14:54:23
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**MODELOPTs: RegDEFAULT CONC ELEV URBAN

*** THE 1ST HIGHEST 1-HR AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: ALL ***
INCLUDING SOURCE(S): FLARE1 , FLARE2 , FLARE3 , FLARE4 , FLARE5 ,
FLARE6 , FLARE7 , FLARE8 , FLARE9 , FLARE10 , FLARE11 , FLARE12 , FLARE13 ,
FLARE14 , FLARE15 , FLARE16 , FLARE17 , FLARE18 , FLARE19 , FLARE20 , FLARE21 ,
FLARE22 , FLARE23 , FLARE24 ,

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

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

**

Y-COORD (METERS)	407103.51	407262.58	X-COORD (METERS) 407421.65	407580.72	407739.79

3765862.8	0.00027	(10102806)	0.00025	(10102806)	0.00022	(10102806)	0.00019	(10102806)	0.00017	(10102806)
3765765.7	0.00026	(10102806)	0.00023	(10102806)	0.00020	(10102806)	0.00017	(10102806)	0.00015	(12081020)
3765668.5	0.00024	(10102806)	0.00021	(10102806)	0.00018	(10102806)	0.00017	(10110817)	0.00016	(10110817)
3765571.4	0.00023	(10110817)	0.00022	(10110817)	0.00022	(10110817)	0.00019	(10110817)	0.00018	(10110817)
3765474.3	0.00032	(10110817)	0.00030	(10110817)	0.00029	(10110817)	0.00022	(10110817)	0.00020	(10110817)
3765377.1	0.00034	(10110817)	0.00032	(10110817)	0.00030	(10110817)	0.00028	(10110817)	0.00024	(10110817)
3765280.0	0.00034	(10110817)	0.00032	(10110817)	0.00030	(10110817)	0.00028	(10110817)	0.00026	(10110817)
3765182.8	0.00033	(10110817)	0.00028	(10110817)	0.00028	(10110817)	0.00026	(10110817)	0.00024	(10110817)
3765085.7	0.00033	(11030722)	0.00029	(09113004)	0.00028	(11030722)	0.00027	(11030722)	0.00024	(11030722)
3764988.6	0.00037	(10122923)	0.00034	(11030722)	0.00031	(11030722)	0.00028	(11030722)	0.00026	(11030722)
3764891.4	0.00041	(10122923)	0.00036	(10122923)	0.00031	(10122923)	0.00028	(12121821)	0.00026	(11030722)
3764794.3	0.00040	(10122923)	0.00036	(10122923)	0.00031	(08052119)	0.00026	(12121821)	0.00026	(12121821)
3764697.1	0.00037	(08052119)	0.00035	(08052119)	0.00032	(08052119)	0.00026	(08011406)	0.00025	(08052119)
3764600.0	0.00032	(08052119)	0.00032	(08052119)	0.00031	(08052119)	0.00027	(11030721)	0.00025	(08052119)
3764502.9	0.00027	(08052119)	0.00028	(08052119)	0.00028	(08052119)	0.00027	(08052119)	0.00026	(11030721)
3764405.7	0.00030	(09102721)	0.00026	(09102721)	0.00023	(08052119)	0.00024	(11030721)	0.00024	(08052119)
3764308.6	0.00032	(09102721)	0.00028	(09102721)	0.00023	(09102721)	0.00019	(09102721)	0.00019	(11030721)
3764211.4	0.00031	(09102721)	0.00029	(09102721)	0.00026	(09102721)	0.00023	(09102721)	0.00019	(09102721)
3764114.3	0.00028	(09102718)	0.00029	(09102721)	0.00027	(09102721)	0.00025	(09102721)	0.00022	(09102721)
3764017.2	0.00028	(09102718)	0.00026	(09102718)	0.00026	(09102721)	0.00025	(09102721)	0.00023	(09102721)
3763920.0	0.00026	(09102807)	0.00027	(09102718)	0.00026	(09102718)	0.00023	(09102721)	0.00020	(09102721)

*** AERMOD - VERSION 15181 ***	*** C:\Lakes\AERMOD View\6351 Puente Hills Landfill Park\6351 Puente Hil ***	04/20/16
*** AERMET - VERSION 14134 ***	*** Ethylene dichloride ***	14:54:23
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**MODELOPTs: RegDEFAULT CONC ELEV URBAN

*** THE 1ST HIGHEST 1-HR AVERAGE CONCENTRATION				VALUES FOR SOURCE GROUP: ALL				***
INCLUDING SOURCE(S):				FLARE1	FLARE2	FLARE3	FLARE4	FLARE5
FLARE6	FLARE7	FLARE8	FLARE9	FLARE10	FLARE11	FLARE12	FLARE13	
FLARE14	FLARE15	FLARE16	FLARE17	FLARE18	FLARE19	FLARE20	FLARE21	
FLARE22	FLARE23	FLARE24						

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

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

**

Y-COORD (METERS)	X-COORD (METERS)
407898.86	

3765862.8	0.00015	(12081020)
3765765.7	0.00014	(10110817)
3765668.5	0.00015	(10110817)
3765571.4	0.00017	(10110817)
3765474.3	0.00018	(10110817)
3765377.1	0.00022	(10110817)
3765280.0	0.00024	(10110817)
3765182.8	0.00023	(10110817)

3765085.7 | 0.00023 (11030722)
3764988.6 | 0.00024 (11030722)
3764891.4 | 0.00024 (11030722)
3764794.3 | 0.00024 (12121821)
3764697.1 | 0.00025 (08052119)
3764600.0 | 0.00025 (08052119)
3764502.9 | 0.00025 (08052119)
3764405.7 | 0.00023 (11030721)
3764308.6 | 0.00018 (11030721)
3764211.4 | 0.00016 (11030721)
3764114.3 | 0.00016 (09102721)
3764017.2 | 0.00017 (09102721)
3763920.0 | 0.00017 (09102721)

*** AERMOD - VERSION 15181 *** C:\Lakes\AERMOD View\6351 Puente Hills Landfill Park\6351 Puente Hil *** 04/20/16
*** AERMET - VERSION 14134 *** Ethylene dichloride *** 14:54:23
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**MODELOPTs: RegDEFAULT CONC ELEV URBAN

*** THE 1ST HIGHEST 1-HR AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: ALL ***
INCLUDING SOURCE(S): FLARE1 , FLARE2 , FLARE3 , FLARE4 , FLARE5 ,
FLARE6 , FLARE7 , FLARE8 , FLARE9 , FLARE10 , FLARE11 , FLARE12 , FLARE13 ,
FLARE14 , FLARE15 , FLARE16 , FLARE17 , FLARE18 , FLARE19 , FLARE20 , FLARE21 ,
FLARE22 , FLARE23 , FLARE24 ,

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

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

**

X-COORD (M)	Y-COORD (M)	CONC	(YYMMDDHH)	X-COORD (M)	Y-COORD (M)	CONC	(YYMMDDHH)
405475.87	3765283.33	0.00304	(10012115)	405487.28	3765227.63	0.00227	(12080612)
405496.83	3765177.10	0.00315	(10102809)	405361.06	3765124.16	0.00305	(08010701)
405556.64	3765179.21	0.00266	(12071216)	405516.99	3765024.87	0.00173	(08031008)
405795.26	3765005.20	0.00126	(09102718)	406083.86	3765241.01	0.00065	(10122923)
406158.41	3764974.02	0.00071	(11030721)	405659.63	3764787.39	0.00122	(10110404)
405927.52	3765602.51	0.00081	(12090919)				

*** AERMOD - VERSION 15181 *** C:\Lakes\AERMOD View\6351 Puente Hills Landfill Park\6351 Puente Hil *** 04/20/16
*** AERMET - VERSION 14134 *** Ethylene dichloride *** 14:54:23
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**MODELOPTs: RegDEFAULT CONC ELEV URBAN

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

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

**

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

ALL	1ST HIGHEST VALUE IS	0.00019 AT (	405512.81,	3765377.13,	138.00,	308.00,	0.00)	GC	UCART1
	2ND HIGHEST VALUE IS	0.00015 AT (	405475.87,	3765283.33,	178.49,	306.00,	0.00)	DC	
	3RD HIGHEST VALUE IS	0.00014 AT (	405512.81,	3765474.27,	122.70,	311.00,	0.00)	GC	UCART1
	4TH HIGHEST VALUE IS	0.00014 AT (	405353.74,	3765377.13,	180.70,	305.00,	0.00)	GC	UCART1
	5TH HIGHEST VALUE IS	0.00013 AT (	405512.81,	3765279.99,	174.60,	306.00,	0.00)	GC	UCART1
	6TH HIGHEST VALUE IS	0.00011 AT (	405353.74,	3765474.27,	163.10,	306.00,	0.00)	GC	UCART1
	7TH HIGHEST VALUE IS	0.00010 AT (	405512.81,	3765571.41,	117.00,	311.00,	0.00)	GC	UCART1
	8TH HIGHEST VALUE IS	0.00010 AT (	405353.74,	3765182.85,	181.90,	306.00,	0.00)	GC	UCART1
	9TH HIGHEST VALUE IS	0.00010 AT (	405353.74,	3765279.99,	181.00,	305.00,	0.00)	GC	UCART1
	10TH HIGHEST VALUE IS	0.00009 AT (	405671.88,	3765474.27,	125.40,	311.00,	0.00)	GC	UCART1

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

*** AERMOD - VERSION 15181 ***	*** C:\Lakes\AERMOD View\6351 Puente Hills Landfill Park\6351 Puente Hil ***	04/20/16
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**MODELOPTs: RegDFAULT CONC ELEV URBAN

*** THE SUMMARY OF HIGHEST 1-HR RESULTS ***

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

**

GROUP ID	AVERAGE CONC	DATE (YYMMDDHH)	RECEPTOR (XR, YR, ZELEV, ZHILL, ZFLAG)	OF TYPE	NETWORK GRID-ID
ALL HIGH 1ST HIGH VALUE IS	0.00630	ON 08010424: AT (	405353.74, 3765377.13, 180.70, 305.00,	0.00)	GC UCART1

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

*** AERMOD - VERSION 15181 ***	*** C:\Lakes\AERMOD View\6351 Puente Hills Landfill Park\6351 Puente Hil ***	04/20/16
*** AERMET - VERSION 14134 ***	*** Ethylene dichloride ***	14:54:23
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**MODELOPTs: RegDFAULT CONC ELEV URBAN

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

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

A Total of	0 Fatal Error Message(s)
A Total of	0 Warning Message(s)

A Total of 1222 Informational Message(s)
A Total of 43848 Hours Were Processed
A Total of 13 Calm Hours Identified
A Total of 1209 Missing Hours Identified (2.76 Percent)

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

***** WARNING MESSAGES *****
*** NONE ***

*** AERMOD Finishes Successfully ***

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** Lakes Environmental AERMOD MPI
**
*****
**
** AERMOD Input Produced by:
** AERMOD View Ver. 9.1.0
** Lakes Environmental Software Inc.
** Date: 4/20/2016
** File: C:\Lakes\AERMOD View\Puente Hills LFP Formaldehyde\Puente Hills LFP Formaldehyde.ADI
**
*****
**
**
*****
** AERMOD Control Pathway
*****
**
**
CO STARTING
  TITLEONE C:\Lakes\AERMOD View\6351 Puente Hills Landfill Park\6351 Puente Hil
  TITLETWO Formaldehyde
  MODELOPT DFAULT CONC
  AVERTIME 1 ANNUAL
  URBANOPT 9862049 Los_Angeles_County
  POLLUTID FORMALDE
  RUNORNOT RUN
  ERRORFIL "Puente Hills LFP Formaldehyde.err"
CO FINISHED
**
*****
** AERMOD Source Pathway
*****
**
**
SO STARTING
** Source Location **
** Source ID - Type - X Coord. - Y Coord. **
  LOCATION FLARE1      POINT      405412.404  3765266.480      181.580
** DESCRSRC Flares (24 total)
  LOCATION FLARE2      POINT      405417.595  3765268.614      181.640
** DESCRSRC Flares (24 total)
  LOCATION FLARE3      POINT      405415.440  3765263.023      181.620
** DESCRSRC Flares (24 total)
  LOCATION FLARE4      POINT      405420.770  3765264.143      181.690
** DESCRSRC Flares (24 total)
  LOCATION FLARE5      POINT      405417.256  3765258.874      181.640
** DESCRSRC Flares (24 total)
  LOCATION FLARE6      POINT      405423.409  3765260.689      181.720
** DESCRSRC Flares (24 total)
  LOCATION FLARE7      POINT      405418.220  3765254.700      181.650
** DESCRSRC Flares (24 total)

```

LOCATION	FLARE8	POINT	405426.799	3765256.850	181.770
** DESCRSRC	Flares (24 total)				
LOCATION	FLARE9	POINT	405420.223	3765250.883	181.680
** DESCRSRC	Flares (24 total)				
LOCATION	FLARE10	POINT	405429.052	3765252.454	181.800
** DESCRSRC	Flares (24 total)				
LOCATION	FLARE11	POINT	405423.375	3765246.684	181.720
** DESCRSRC	Flares (24 total)				
LOCATION	FLARE12	POINT	405431.589	3765249.405	181.830
** DESCRSRC	Flares (24 total)				
LOCATION	FLARE13	POINT	405427.483	3765241.984	181.780
** DESCRSRC	Flares (24 total)				
LOCATION	FLARE14	POINT	405433.797	3765244.836	181.860
** DESCRSRC	Flares (24 total)				
LOCATION	FLARE15	POINT	405430.394	3765236.806	181.820
** DESCRSRC	Flares (24 total)				
LOCATION	FLARE16	POINT	405436.611	3765241.272	181.900
** DESCRSRC	Flares (24 total)				
LOCATION	FLARE17	POINT	405433.570	3765232.416	181.860
** DESCRSRC	Flares (24 total)				
LOCATION	FLARE18	POINT	405439.798	3765236.907	181.940
** DESCRSRC	Flares (24 total)				
LOCATION	FLARE19	POINT	405436.746	3765227.834	181.900
** DESCRSRC	Flares (24 total)				
LOCATION	FLARE20	POINT	405442.425	3765233.337	181.970
** DESCRSRC	Flares (24 total)				
LOCATION	FLARE21	POINT	405440.173	3765223.711	181.940
** DESCRSRC	Flares (24 total)				
LOCATION	FLARE22	POINT	405445.453	3765228.464	181.980
** DESCRSRC	Flares (24 total)				
LOCATION	FLARE23	POINT	405442.883	3765219.270	181.980
** DESCRSRC	Flares (24 total)				
LOCATION	FLARE24	POINT	405449.335	3765223.937	181.930
** DESCRSRC	Flares (24 total)				
** Source Parameters **					
SRCPARAM	FLARE1	1.4947E-06	10.226	1088.706	4.245 2.530
SRCPARAM	FLARE2	1.4947E-06	10.226	1088.706	4.245 2.530
SRCPARAM	FLARE3	1.4947E-06	10.226	1088.706	4.245 2.530
SRCPARAM	FLARE4	1.4947E-06	10.226	1088.706	4.245 2.530
SRCPARAM	FLARE5	1.4947E-06	10.226	1088.706	4.245 2.530
SRCPARAM	FLARE6	1.4947E-06	10.226	1088.706	4.245 2.530
SRCPARAM	FLARE7	1.4947E-06	10.226	1088.706	4.245 2.530
SRCPARAM	FLARE8	1.4947E-06	10.226	1088.706	4.245 2.530
SRCPARAM	FLARE9	1.4947E-06	10.226	1088.706	4.245 2.530
SRCPARAM	FLARE10	1.4947E-06	10.226	1088.706	4.245 2.530
SRCPARAM	FLARE11	1.4947E-06	10.226	1088.706	4.245 2.530
SRCPARAM	FLARE12	1.4947E-06	10.226	1088.706	4.245 2.530
SRCPARAM	FLARE13	1.4947E-06	10.226	1088.706	4.245 2.530
SRCPARAM	FLARE14	1.4947E-06	10.226	1088.706	4.245 2.530
SRCPARAM	FLARE15	1.4947E-06	10.226	1088.706	4.245 2.530
SRCPARAM	FLARE16	1.4947E-06	10.226	1088.706	4.245 2.530

SRCPARAM	FLARE17	1.4947E-06	10.226	1088.706	4.245	2.530
SRCPARAM	FLARE18	1.4947E-06	10.226	1088.706	4.245	2.530
SRCPARAM	FLARE19	1.4947E-06	10.226	1088.706	4.245	2.530
SRCPARAM	FLARE20	1.4947E-06	10.226	1088.706	4.245	2.530
SRCPARAM	FLARE21	1.4947E-06	10.226	1088.706	4.245	2.530
SRCPARAM	FLARE22	1.4947E-06	10.226	1088.706	4.245	2.530
SRCPARAM	FLARE23	1.4947E-06	10.226	1088.706	4.245	2.530
SRCPARAM	FLARE24	1.4947E-06	10.226	1088.706	4.245	2.530
URBANSRC	ALL					
SRCGROUP	ALL					

SO FINISHED
**

** AERMOD Receptor Pathway

**
**
RE STARTING
INCLUDED "Puente Hills LFP Formaldehyde.rou"
RE FINISHED
**

** AERMOD Meteorology Pathway

**
**
ME STARTING
SURFFILE "C:\Users\Kate Wilson\Desktop\Met data\pico8.sfc"
PROFFILE "C:\Users\Kate Wilson\Desktop\Met data\pico8.PFL"
SURFDATA 0 2008
UAIRDATA 3190 2008
SITEDATA 99999 2008
PROFBASE 58.0 METERS
ME FINISHED
**

** AERMOD Output Pathway

**
**
OU STARTING
RECTABLE ALLAVE 1ST
RECTABLE 1 1ST
** Auto-Generated Plotfiles
PLOTFILE 1 ALL 1ST "PUENTE HILLS LFP FORMALDEHYDE.AD\01H1GALL.PLT" 31
PLOTFILE ANNUAL ALL "PUENTE HILLS LFP FORMALDEHYDE.AD\AN00GALL.PLT" 32
SUMMFILE "Puente Hills LFP Formaldehyde.sum"
OU FINISHED

*** SETUP Finishes Successfully ***

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**MODELOPTs: RegDEFAULT CONC ELEV URBAN

*** MODEL SETUP OPTIONS SUMMARY ***

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

-- DEPOSITION LOGIC --

**NO GAS DEPOSITION Data Provided.

**NO PARTICLE DEPOSITION Data Provided.

**Model Uses NO DRY DEPLETION. DRYDPLT = F

**Model Uses NO WET DEPLETION. WETDPLT = F

**Model Uses URBAN Dispersion Algorithm for the SBL for 24 Source(s),
for Total of 1 Urban Area(s):
Urban Population = 9862049.0 ; Urban Roughness Length = 1.000 m

**Model Uses Regulatory DEFAULT Options:

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

**Other Options Specified:

TEMP_Sub - Meteorological data includes TEMP substitutions

**Model Assumes No FLAGPOLE Receptor Heights.

**The User Specified a Pollutant Type of: FORMALDE

**Model Calculates 1 Short Term Average(s) of: 1-HR
and Calculates ANNUAL Averages

**This Run Includes: 24 Source(s); 1 Source Group(s); and 452 Receptor(s)

with: 24 POINT(s), including
0 POINTCAP(s) and 0 POINTHOR(s)
and: 0 VOLUME source(s)
and: 0 AREA type source(s)
and: 0 LINE source(s)
and: 0 OPENPIT source(s)

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

**The AERMET Input Meteorological Data Version Date: 14134

**Output Options Selected:

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

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

**Misc. Inputs: Base Elev. for Pot. Temp. Profile (m MSL) = 58.00 ; 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: Puente Hills LFP Formaldehyde.err

**File for Summary of Results: Puente Hills LFP Formaldehyde.sum

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**MODELOPTs: RegDEFAULT CONC ELEV URBAN

*** POINT SOURCE DATA ***

SOURCE ID	NUMBER PART. CATS.	EMISSION RATE (GRAMS/SEC)	X (METERS)	Y (METERS)	BASE ELEV. (METERS)	STACK HEIGHT (METERS)	STACK TEMP. (DEG.K)	STACK EXIT VEL. (M/SEC)	STACK DIAMETER (METERS)	BLDG EXISTS	URBAN SOURCE	CAP/ HOR	EMIS RATE SCALAR VARY BY
FLARE1	0	0.14947E-05	405412.4	3765266.5	181.6	10.23	1088.71	4.25	2.53	NO	YES	NO	
FLARE2	0	0.14947E-05	405417.6	3765268.6	181.6	10.23	1088.71	4.25	2.53	NO	YES	NO	
FLARE3	0	0.14947E-05	405415.4	3765263.0	181.6	10.23	1088.71	4.25	2.53	NO	YES	NO	
FLARE4	0	0.14947E-05	405420.8	3765264.1	181.7	10.23	1088.71	4.25	2.53	NO	YES	NO	
FLARE5	0	0.14947E-05	405417.3	3765258.9	181.6	10.23	1088.71	4.25	2.53	NO	YES	NO	
FLARE6	0	0.14947E-05	405423.4	3765260.7	181.7	10.23	1088.71	4.25	2.53	NO	YES	NO	
FLARE7	0	0.14947E-05	405418.2	3765254.7	181.7	10.23	1088.71	4.25	2.53	NO	YES	NO	
FLARE8	0	0.14947E-05	405426.8	3765256.8	181.8	10.23	1088.71	4.25	2.53	NO	YES	NO	
FLARE9	0	0.14947E-05	405420.2	3765250.9	181.7	10.23	1088.71	4.25	2.53	NO	YES	NO	
FLARE10	0	0.14947E-05	405429.1	3765252.5	181.8	10.23	1088.71	4.25	2.53	NO	YES	NO	
FLARE11	0	0.14947E-05	405423.4	3765246.7	181.7	10.23	1088.71	4.25	2.53	NO	YES	NO	
FLARE12	0	0.14947E-05	405431.6	3765249.4	181.8	10.23	1088.71	4.25	2.53	NO	YES	NO	
FLARE13	0	0.14947E-05	405427.5	3765242.0	181.8	10.23	1088.71	4.25	2.53	NO	YES	NO	
FLARE14	0	0.14947E-05	405433.8	3765244.8	181.9	10.23	1088.71	4.25	2.53	NO	YES	NO	
FLARE15	0	0.14947E-05	405430.4	3765236.8	181.8	10.23	1088.71	4.25	2.53	NO	YES	NO	

FLARE16	0	0.14947E-05	405436.6	3765241.3	181.9	10.23	1088.71	4.25	2.53	NO	YES	NO
FLARE17	0	0.14947E-05	405433.6	3765232.4	181.9	10.23	1088.71	4.25	2.53	NO	YES	NO
FLARE18	0	0.14947E-05	405439.8	3765236.9	181.9	10.23	1088.71	4.25	2.53	NO	YES	NO
FLARE19	0	0.14947E-05	405436.7	3765227.8	181.9	10.23	1088.71	4.25	2.53	NO	YES	NO
FLARE20	0	0.14947E-05	405442.4	3765233.3	182.0	10.23	1088.71	4.25	2.53	NO	YES	NO
FLARE21	0	0.14947E-05	405440.2	3765223.7	181.9	10.23	1088.71	4.25	2.53	NO	YES	NO
FLARE22	0	0.14947E-05	405445.5	3765228.5	182.0	10.23	1088.71	4.25	2.53	NO	YES	NO
FLARE23	0	0.14947E-05	405442.9	3765219.3	182.0	10.23	1088.71	4.25	2.53	NO	YES	NO
FLARE24	0	0.14947E-05	405449.3	3765223.9	181.9	10.23	1088.71	4.25	2.53	NO	YES	NO

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**MODELOPTs: RegDFAULT CONC ELEV URBAN

*** SOURCE IDs DEFINING SOURCE GROUPS ***

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

ALL	FLARE1	,	FLARE2	,	FLARE3	,	FLARE4	,	FLARE5	,	FLARE6	,	FLARE7	,	FLARE8	,
	FLARE9	,	FLARE10	,	FLARE11	,	FLARE12	,	FLARE13	,	FLARE14	,	FLARE15	,	FLARE16	,
	FLARE17	,	FLARE18	,	FLARE19	,	FLARE20	,	FLARE21	,	FLARE22	,	FLARE23	,	FLARE24	,

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**MODELOPTs: RegDFAULT CONC ELEV URBAN

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

URBAN ID	URBAN POP	SOURCE IDs
-----	-----	-----
FLARE8	9862049.	FLARE1 , FLARE2 , FLARE3 , FLARE4 , FLARE5 , FLARE6 , FLARE7 ,
		FLARE9 , FLARE10 , FLARE11 , FLARE12 , FLARE13 , FLARE14 , FLARE15 , FLARE16 ,
		FLARE17 , FLARE18 , FLARE19 , FLARE20 , FLARE21 , FLARE22 , FLARE23 , FLARE24 ,

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**MODELOPTs: RegDFAULT CONC ELEV URBAN

*** GRIDDED RECEPTOR NETWORK SUMMARY ***

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

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

404717.5, 404876.5, 405035.6, 405194.7, 405353.7, 405512.8, 405671.9, 405831.0, 405990.0, 406149.1,
406308.2, 406467.2, 406626.3, 406785.4, 406944.4, 407103.5, 407262.6, 407421.7, 407580.7, 407739.8,
407898.9,

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

3763920.0, 3764017.2, 3764114.3, 3764211.4, 3764308.6, 3764405.7, 3764502.9, 3764600.0, 3764697.1, 3764794.3,
3764891.4, 3764988.6, 3765085.7, 3765182.8, 3765280.0, 3765377.1, 3765474.3, 3765571.4, 3765668.5, 3765765.7,
3765862.8,

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**MODELOPTs: RegDFAULT CONC ELEV URBAN

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

* ELEVATION HEIGHTS IN METERS *

Y-COORD (METERS)	X-COORD (METERS)								
	404717.46	404876.53	405035.60	405194.67	405353.74	405512.81	405671.88	405830.95	405990.02
3765862.83	85.20	86.70	88.10	89.80	90.80	91.00	95.30	97.70	97.60
3765765.69	88.00	89.30	91.00	94.80	98.90	99.40	104.00	109.00	109.90
3765668.55	92.90	93.50	102.50	106.30	109.10	108.80	113.00	121.00	120.80
3765571.41	101.00	106.10	116.80	124.20	124.70	117.00	117.30	124.50	121.10
3765474.27	109.40	115.90	132.00	161.80	163.10	122.70	125.40	130.20	121.80
3765377.13	115.60	122.00	145.70	178.70	180.70	138.00	152.10	139.20	121.20
3765279.99	119.10	127.70	157.90	180.20	181.00	174.60	174.50	156.40	131.80
3765182.85	121.50	136.60	167.70	180.50	181.90	182.10	182.00	174.90	168.00
3765085.71	125.30	146.90	177.00	181.90	185.70	191.60	182.00	182.00	184.20
3764988.57	124.50	139.80	172.30	181.90	194.40	221.20	192.20	190.60	201.00
3764891.43	121.60	127.80	162.80	181.70	210.40	242.30	223.60	216.80	231.60
3764794.29	121.80	132.20	165.00	192.00	229.20	245.50	246.70	242.80	245.30
3764697.15	124.00	142.10	174.70	207.10	240.70	250.90	260.70	268.50	279.10
3764600.01	125.70	140.80	179.10	204.50	233.90	258.20	281.20	295.40	302.00
3764502.87	122.10	125.00	177.00	187.00	218.30	262.80	299.20	303.40	302.80
3764405.73	121.00	144.60	179.30	181.90	211.60	263.90	304.00	303.80	303.90
3764308.59	146.30	164.20	181.70	182.00	220.20	264.90	304.00	303.50	297.60
3764211.45	174.40	180.90	182.00	182.00	229.50	265.30	293.20	290.50	276.00
3764114.31	171.50	170.00	180.40	182.00	228.70	262.60	281.20	272.60	252.30

3764017.17		121.00	151.40	179.00	181.90	232.40	255.60	268.20	257.90	243.50
3763920.03		123.00	148.90	183.50	197.80	241.00	247.10	253.90	250.20	243.70

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**MODELOPTs: RegDEFAULT CONC ELEV URBAN

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

* ELEVATION HEIGHTS IN METERS *

Y-COORD (METERS)					X-COORD (METERS)					
		406149.09	406308.16	406467.23	406626.30	406785.37	406944.44	407103.51	407262.58	407421.65

3765862.83		91.80	88.90	87.90	93.00	98.60	102.20	99.00	97.50	94.70
3765765.69		101.30	95.70	95.00	99.00	108.40	112.80	108.00	105.20	105.70
3765668.55		111.90	109.30	110.60	113.00	126.00	147.00	130.70	131.70	135.30
3765571.41		118.80	121.20	120.30	117.90	133.60	177.80	156.80	158.40	161.60
3765474.27		126.50	144.40	151.70	127.90	164.20	183.80	183.70	183.30	185.80
3765377.13		138.10	167.60	180.80	156.00	177.30	192.30	195.70	197.70	200.80
3765279.99		161.50	182.70	185.20	172.90	188.80	199.00	201.20	209.50	212.90
3765182.85		191.40	193.30	190.10	192.50	202.60	219.30	231.20	250.40	236.10
3765085.71		229.10	207.40	194.10	206.00	216.30	231.40	250.90	256.80	244.90
3764988.57		243.20	225.30	214.60	225.80	226.50	226.20	227.40	232.10	232.10
3764891.43		255.60	246.70	243.80	247.20	236.80	225.50	210.80	214.80	226.80
3764794.29		277.90	279.40	280.10	270.10	251.20	238.70	215.80	203.70	239.10
3764697.15		297.40	300.80	302.60	288.20	261.50	248.70	223.20	195.80	225.90
3764600.01		303.50	304.00	305.10	297.60	265.00	247.90	222.20	190.60	198.40
3764502.87		303.90	303.50	303.50	298.20	262.00	240.50	208.40	185.40	184.50
3764405.73		303.80	302.50	301.00	295.80	257.30	233.20	207.70	179.10	177.00
3764308.59		293.60	300.30	299.40	296.50	262.00	233.10	223.50	184.50	173.70
3764211.45		277.00	295.40	303.20	302.20	278.10	241.70	237.60	209.30	190.90
3764114.31		258.70	290.30	306.90	307.60	289.30	250.60	252.50	235.30	211.20
3764017.17		244.30	289.20	303.10	304.30	294.80	262.20	253.10	244.20	212.60
3763920.03		251.70	287.60	300.70	299.50	297.00	274.70	257.00	234.70	215.20

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**MODELOPTs: RegDEFAULT CONC ELEV URBAN

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

* ELEVATION HEIGHTS IN METERS *

Y-COORD (METERS)				X-COORD (METERS)
		407580.72	407739.79	407898.86

3765862.83	87.60	83.40	78.20
3765765.69	102.50	97.50	91.70
3765668.55	116.90	112.80	103.10
3765571.41	129.10	121.80	114.90
3765474.27	156.60	146.00	138.50
3765377.13	182.60	174.00	173.40
3765279.99	203.70	197.40	195.90
3765182.85	227.90	226.10	206.00
3765085.71	234.50	231.90	205.50
3764988.57	220.40	210.80	196.60
3764891.43	226.00	212.30	186.50
3764794.29	249.90	238.50	206.80
3764697.15	259.40	252.50	223.70
3764600.01	245.40	248.40	223.70
3764502.87	221.90	229.20	208.80
3764405.73	188.10	194.70	185.80
3764308.59	164.80	160.90	153.60
3764211.45	177.30	166.10	141.70
3764114.31	196.00	186.80	150.60
3764017.17	188.40	181.90	150.80
3763920.03	176.00	164.80	150.40

*** AERMOD - VERSION 15181 ***
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**MODELOPTs: RegDFAULT CONC ELEV URBAN

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

* HILL HEIGHT SCALES IN METERS *

Y-COORD (METERS)	404717.46	404876.53	405035.60	405194.67	405353.74	405512.81	405671.88	405830.95	405990.02
3765862.83	306.00	306.00	306.00	307.00	308.00	311.00	311.00	311.00	311.00
3765765.69	306.00	306.00	306.00	308.00	308.00	311.00	311.00	311.00	311.00
3765668.55	306.00	306.00	306.00	307.00	308.00	311.00	311.00	311.00	311.00
3765571.41	306.00	306.00	306.00	306.00	306.00	311.00	311.00	311.00	311.00
3765474.27	306.00	306.00	306.00	305.00	306.00	311.00	311.00	311.00	311.00
3765377.13	306.00	306.00	306.00	304.00	305.00	308.00	308.00	311.00	311.00
3765279.99	306.00	306.00	305.00	304.00	305.00	306.00	306.00	311.00	311.00
3765182.85	306.00	306.00	305.00	305.00	306.00	306.00	306.00	308.00	311.00
3765085.71	306.00	305.00	304.00	305.00	306.00	306.00	307.00	308.00	311.00
3764988.57	306.00	306.00	305.00	305.00	305.00	304.00	306.00	308.00	308.00
3764891.43	306.00	307.00	306.00	305.00	304.00	304.00	306.00	306.00	306.00
3764794.29	306.00	307.00	305.00	305.00	304.00	304.00	304.00	306.00	306.00
3764697.15	307.00	306.00	305.00	304.00	304.00	304.00	304.00	304.00	304.00
3764600.01	307.00	307.00	305.00	304.00	304.00	304.00	304.00	304.00	302.00
3764502.87	308.00	354.00	305.00	305.00	304.00	304.00	304.00	303.40	302.80
3764405.73	349.00	307.00	304.00	305.00	304.00	304.00	304.00	303.80	303.90

3764308.59		304.00	304.00	304.00	305.00	304.00	304.00	304.00	303.50	297.60
3764211.45		304.00	304.00	304.00	307.00	304.00	304.00	304.00	304.00	304.00
3764114.31		304.00	304.00	304.00	307.00	304.00	304.00	304.00	304.00	308.00
3764017.17		354.00	354.00	304.00	354.00	304.00	304.00	304.00	304.00	308.00
3763920.03		354.00	354.00	304.00	304.00	304.00	304.00	304.00	304.00	308.00

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**MODELOPTs: RegDFAULT CONC ELEV URBAN

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

* HILL HEIGHT SCALES IN METERS *

Y-COORD (METERS)		406149.09	406308.16	406467.23	406626.30	406785.37	406944.44	407103.51	407262.58	407421.65
3765862.83		311.00	311.00	311.00	311.00	311.00	311.00	311.00	311.00	311.00
3765765.69		311.00	311.00	311.00	311.00	311.00	311.00	311.00	311.00	311.00
3765668.55		311.00	311.00	311.00	311.00	311.00	311.00	311.00	311.00	311.00
3765571.41		311.00	311.00	311.00	311.00	311.00	306.00	311.00	306.00	306.00
3765474.27		311.00	311.00	311.00	311.00	311.00	306.00	306.00	306.00	267.00
3765377.13		311.00	311.00	306.00	311.00	311.00	306.00	306.00	306.00	267.00
3765279.99		311.00	311.00	311.00	311.00	311.00	306.00	306.00	302.00	263.00
3765182.85		308.00	311.00	311.00	311.00	306.00	306.00	263.00	263.00	263.00
3765085.71		306.00	306.00	311.00	311.00	306.00	306.00	259.00	263.00	263.00
3764988.57		306.00	306.00	311.00	306.00	306.00	306.00	306.00	263.00	267.00
3764891.43		306.00	306.00	306.00	306.00	306.00	311.00	311.00	311.00	267.00
3764794.29		305.00	306.00	306.00	306.00	306.00	306.00	311.00	311.00	267.00
3764697.15		303.00	300.80	302.60	306.00	306.00	306.00	311.00	311.00	267.00
3764600.01		303.50	304.00	305.10	306.00	306.00	311.00	311.00	311.00	311.00
3764502.87		303.90	303.50	303.50	306.00	311.00	311.00	311.00	311.00	311.00
3764405.73		303.80	302.50	301.00	304.00	311.00	311.00	311.00	354.00	354.00
3764308.59		304.00	300.30	299.40	296.50	311.00	311.00	311.00	354.00	354.00
3764211.45		304.00	295.40	303.20	302.20	311.00	311.00	311.00	345.00	354.00
3764114.31		308.00	307.00	306.90	307.60	311.00	311.00	311.00	311.00	345.00
3764017.17		311.00	307.00	303.10	304.30	311.00	311.00	311.00	311.00	354.00
3763920.03		309.00	304.00	300.70	299.50	297.00	311.00	311.00	345.00	354.00

*** AERMOD - VERSION 15181 *** *** C:\Lakes\AERMOD View\6351 Puente Hills Landfill Park\6351 Puente Hil *** 04/20/16
 *** AERMET - VERSION 14134 *** *** Formaldehyde *** 15:23:12
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**MODELOPTs: RegDFAULT CONC ELEV URBAN

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

* HILL HEIGHT SCALES IN METERS *

Y-COORD		X-COORD (METERS)

(METERS)	407580.72	407739.79	407898.86
3765862.83	311.00	311.00	311.00
3765765.69	311.00	311.00	311.00
3765668.55	311.00	311.00	311.00
3765571.41	311.00	311.00	311.00
3765474.27	306.00	306.00	306.00
3765377.13	267.00	267.00	267.00
3765279.99	267.00	267.00	267.00
3765182.85	263.00	240.00	267.00
3765085.71	238.00	240.00	267.00
3764988.57	267.00	267.00	267.00
3764891.43	267.00	267.00	267.00
3764794.29	267.00	267.00	267.00
3764697.15	267.00	265.00	267.00
3764600.01	267.00	265.00	267.00
3764502.87	267.00	267.00	267.00
3764405.73	345.00	311.00	343.00
3764308.59	354.00	354.00	354.00
3764211.45	354.00	354.00	354.00
3764114.31	352.00	352.00	354.00
3764017.17	354.00	354.00	354.00
3763920.03	354.00	354.00	354.00

*** AERMOD - VERSION 15181 *** *** C:\Lakes\AERMOD View\6351 Puente Hills Landfill Park\6351 Puente Hil *** 04/20/16
 *** AERMET - VERSION 14134 *** *** Formaldehyde *** 15:23:12
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**MODELOPTs: RegDFAULT CONC ELEV URBAN

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

(405475.9, 3765283.3,	178.5,	306.0,	0.0);	(405487.3, 3765227.6,	181.1,	306.0,	0.0);
(405496.8, 3765177.1,	182.5,	306.0,	0.0);	(405361.1, 3765124.2,	183.8,	306.0,	0.0);
(405556.6, 3765179.2,	182.0,	306.0,	0.0);	(405517.0, 3765024.9,	207.2,	305.0,	0.0);
(405795.3, 3765005.2,	188.0,	308.0,	0.0);	(406083.9, 3765241.0,	155.0,	311.0,	0.0);
(406158.4, 3764974.0,	244.3,	306.0,	0.0);	(405659.6, 3764787.4,	247.3,	304.0,	0.0);
(405927.5, 3765602.5,	122.2,	311.0,	0.0);				

*** AERMOD - VERSION 15181 *** *** C:\Lakes\AERMOD View\6351 Puente Hills Landfill Park\6351 Puente Hil *** 04/20/16
 *** AERMET - VERSION 14134 *** *** Formaldehyde *** 15:23:12
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**MODELOPTs: RegDFAULT CONC ELEV URBAN

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

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

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

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
08	01	01	1	01	-999.0	-9.0000	-9.000	-9.000	-999.	-999.	-999999.0	0.34	1.00	1.00	999.00	999.	-9.0	285.4	5.5			
08	01	01	1	02	-999.0	-9.0000	-9.000	-9.000	-999.	-999.	-999999.0	0.34	1.00	1.00	999.00	999.	-9.0	284.2	5.5			
08	01	01	1	03	-999.0	-9.0000	-9.000	-9.000	-999.	-999.	-999999.0	0.34	1.00	1.00	999.00	999.	-9.0	283.8	5.5			
08	01	01	1	04	-999.0	-9.0000	-9.000	-9.000	-999.	-999.	-999999.0	0.34	1.00	1.00	999.00	999.	-9.0	284.2	5.5			
08	01	01	1	05	-999.0	-9.0000	-9.000	-9.000	-999.	-999.	-999999.0	0.34	1.00	1.00	999.00	999.	-9.0	284.9	5.5			
08	01	01	1	06	-999.0	-9.0000	-9.000	-9.000	-999.	-999.	-999999.0	0.34	1.00	1.00	999.00	999.	-9.0	285.4	5.5			
08	01	01	1	07	-999.0	-9.0000	-9.000	-9.000	-999.	-999.	-999999.0	0.34	1.00	1.00	999.00	999.	-9.0	285.9	5.5			
08	01	01	1	08	-999.0	-9.0000	-9.000	-9.000	-999.	-999.	-999999.0	0.34	1.00	0.54	999.00	999.	-9.0	286.4	5.5			
08	01	01	1	09	28.6	-9.0000	-9.000	-9.000	61.	-999.	-999999.0	0.34	1.00	0.32	999.00	999.	-9.0	287.0	5.5			
08	01	01	1	10	83.5	-9.0000	-9.000	-9.000	164.	-999.	-999999.0	0.34	1.00	0.24	999.00	999.	-9.0	289.2	5.5			
08	01	01	1	11	131.2	-9.0000	-9.000	-9.000	427.	-999.	-999999.0	0.34	1.00	0.21	999.00	999.	-9.0	292.5	5.5			
08	01	01	1	12	130.6	-9.0000	-9.000	-9.000	620.	-999.	-999999.0	0.34	1.00	0.20	999.00	999.	-9.0	294.2	5.5			
08	01	01	1	13	112.1	-9.0000	-9.000	-9.000	723.	-999.	-999999.0	0.34	1.00	0.20	999.00	999.	-9.0	294.9	5.5			
08	01	01	1	14	86.7	-9.0000	-9.000	-9.000	762.	-999.	-999999.0	0.34	1.00	0.21	999.00	999.	-9.0	294.9	5.5			
08	01	01	1	15	37.3	-9.0000	-9.000	-9.000	778.	-999.	-999999.0	0.34	1.00	0.25	999.00	999.	-9.0	294.2	5.5			
08	01	01	1	16	12.7	-9.0000	-9.000	-9.000	783.	-999.	-999999.0	0.34	1.00	0.33	999.00	999.	-9.0	293.8	5.5			
08	01	01	1	17	-999.0	-9.0000	-9.000	-9.000	-999.	-999.	-999999.0	0.34	1.00	0.60	999.00	999.	-9.0	292.5	5.5			

[illegible]

3764308.59		0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000
3764211.45		0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000
3764114.31		0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000
3764017.17		0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000
3763920.03		0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000

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*** AERMOD - VERSION 15181 ***   *** C:\Lakes\AERMOD View\6351 Puente Hills Landfill Park\6351 Puente Hil ***   04/20/16
*** AERMET - VERSION 14134 ***   *** Formaldehyde ***   15:23:12
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**MODELOPTs: RegDFAULT CONC ELEV URBAN

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*** THE ANNUAL AVERAGE CONCENTRATION VALUES AVERAGED OVER 5 YEARS FOR SOURCE GROUP: ALL ***
      INCLUDING SOURCE(S):  FLARE1 , FLARE2 , FLARE3 , FLARE4 , FLARE5 ,
FLARE6 , FLARE7 , FLARE8 , FLARE9 , FLARE10 , FLARE11 , FLARE12 , FLARE13 ,
FLARE14 , FLARE15 , FLARE16 , FLARE17 , FLARE18 , FLARE19 , FLARE20 , FLARE21 ,
FLARE22 , FLARE23 , FLARE24 ,

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

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

**

Y-COORD (METERS)				X-COORD (METERS)						
	406149.09	406308.16	406467.23	406626.30	406785.37	406944.44	407103.51	407262.58	407421.65	
3765862.83		0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000
3765765.69		0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000
3765668.55		0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000
3765571.41		0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000
3765474.27		0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000
3765377.13		0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000
3765279.99		0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000
3765182.85		0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000
3765085.71		0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000
3764988.57		0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000
3764891.43		0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000
3764794.29		0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000
3764697.15		0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000
3764600.01		0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000
3764502.87		0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000
3764405.73		0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000
3764308.59		0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000
3764211.45		0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000
3764114.31		0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000
3764017.17		0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000
3763920.03		0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000

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*** AERMOD - VERSION 15181 ***   *** C:\Lakes\AERMOD View\6351 Puente Hills Landfill Park\6351 Puente Hil ***   04/20/16
*** AERMET - VERSION 14134 ***   *** Formaldehyde ***   15:23:12
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**MODELOPTs: RegDFAULT CONC ELEV URBAN

*** THE ANNUAL AVERAGE CONCENTRATION VALUES AVERAGED OVER 5 YEARS FOR SOURCE GROUP: ALL ***
 INCLUDING SOURCE(S): FLARE1 , FLARE2 , FLARE3 , FLARE4 , FLARE5 ,
 FLARE6 , FLARE7 , FLARE8 , FLARE9 , FLARE10 , FLARE11 , FLARE12 , FLARE13 ,
 FLARE14 , FLARE15 , FLARE16 , FLARE17 , FLARE18 , FLARE19 , FLARE20 , FLARE21 ,
 FLARE22 , FLARE23 , FLARE24 ,

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

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

Y-COORD (METERS)	407580.72	407739.79	407898.86	X-COORD (METERS)
3765862.83	0.00000	0.00000	0.00000	
3765765.69	0.00000	0.00000	0.00000	
3765668.55	0.00000	0.00000	0.00000	
3765571.41	0.00000	0.00000	0.00000	
3765474.27	0.00000	0.00000	0.00000	
3765377.13	0.00000	0.00000	0.00000	
3765279.99	0.00000	0.00000	0.00000	
3765182.85	0.00000	0.00000	0.00000	
3765085.71	0.00000	0.00000	0.00000	
3764988.57	0.00000	0.00000	0.00000	
3764891.43	0.00000	0.00000	0.00000	
3764794.29	0.00000	0.00000	0.00000	
3764697.15	0.00000	0.00000	0.00000	
3764600.01	0.00000	0.00000	0.00000	
3764502.87	0.00000	0.00000	0.00000	
3764405.73	0.00000	0.00000	0.00000	
3764308.59	0.00000	0.00000	0.00000	
3764211.45	0.00000	0.00000	0.00000	
3764114.31	0.00000	0.00000	0.00000	
3764017.17	0.00000	0.00000	0.00000	
3763920.03	0.00000	0.00000	0.00000	

*** AERMOD - VERSION 15181 *** *** C:\Lakes\AERMOD View\6351 Puente Hills Landfill Park\6351 Puente Hil *** 04/20/16
 *** AERMET - VERSION 14134 *** *** Formaldehyde *** 15:23:12
 **MODELOPTs: RegDEFAULT CONC ELEV URBAN PAGE 18

*** THE ANNUAL AVERAGE CONCENTRATION VALUES AVERAGED OVER 5 YEARS FOR SOURCE GROUP: ALL ***
 INCLUDING SOURCE(S): FLARE1 , FLARE2 , FLARE3 , FLARE4 , FLARE5 ,
 FLARE6 , FLARE7 , FLARE8 , FLARE9 , FLARE10 , FLARE11 , FLARE12 , FLARE13 ,
 FLARE14 , FLARE15 , FLARE16 , FLARE17 , FLARE18 , FLARE19 , FLARE20 , FLARE21 ,
 FLARE22 , FLARE23 , FLARE24 ,

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

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

**

X-COORD (M)	Y-COORD (M)	CONC	X-COORD (M)	Y-COORD (M)	CONC
405475.87	3765283.33	0.00002	405487.28	3765227.63	0.00001
405496.83	3765177.10	0.00001	405361.06	3765124.16	0.00001
405556.64	3765179.21	0.00001	405516.99	3765024.87	0.00001
405795.26	3765005.20	0.00000	406083.86	3765241.01	0.00000
406158.41	3764974.02	0.00000	405659.63	3764787.39	0.00000
405927.52	3765602.51	0.00001			

*** AERMOD - VERSION 15181 *** *** C:\Lakes\AERMOD View\6351 Puente Hills Landfill Park\6351 Puente Hil *** 04/20/16
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**MODELOPTs: RegDEFAULT CONC ELEV URBAN

*** THE 1ST HIGHEST 1-HR AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: ALL ***
 INCLUDING SOURCE(S): FLARE1 , FLARE2 , FLARE3 , FLARE4 , FLARE5 ,
 FLARE6 , FLARE7 , FLARE8 , FLARE9 , FLARE10 , FLARE11 , FLARE12 , FLARE13 ,
 FLARE14 , FLARE15 , FLARE16 , FLARE17 , FLARE18 , FLARE19 , FLARE20 , FLARE21 ,
 FLARE22 , FLARE23 , FLARE24 ,

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

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

**

Y-COORD (METERS)	404717.46	404876.53	X-COORD (METERS) 405035.60	405194.67	405353.74
3765862.8	0.00009 (08010421)	0.00010 (08010422)	0.00013 (08012705)	0.00014 (10122017)	0.00015 (08010501)
3765765.7	0.00009 (08010421)	0.00012 (08010421)	0.00014 (08010422)	0.00017 (10122017)	0.00019 (08010501)
3765668.5	0.00008 (08010421)	0.00013 (08010421)	0.00017 (08010422)	0.00020 (08010423)	0.00025 (08010501)
3765571.4	0.00008 (08012421)	0.00011 (08010421)	0.00018 (08010421)	0.00025 (08010422)	0.00033 (08010501)
3765474.3	0.00009 (12041104)	0.00009 (08012421)	0.00015 (08010421)	0.00029 (08010422)	0.00049 (08010424)
3765377.1	0.00010 (11032018)	0.00012 (11032018)	0.00013 (12042514)	0.00030 (10100512)	0.00100 (08010424)
3765280.0	0.00013 (11032018)	0.00017 (11032018)	0.00021 (11032018)	0.00034 (10102712)	0.00043 (08101709)
3765182.8	0.00012 (11032018)	0.00016 (11032018)	0.00020 (08022207)	0.00045 (11120103)	0.00077 (11120103)
3765085.7	0.00012 (08022207)	0.00016 (08022207)	0.00026 (11120103)	0.00053 (08012701)	0.00048 (08010701)
3764988.6	0.00012 (08022207)	0.00014 (08022207)	0.00024 (08012701)	0.00038 (08012620)	0.00022 (08010701)
3764891.4	0.00010 (08022207)	0.00013 (08012620)	0.00020 (08012620)	0.00033 (08010701)	0.00032 (09060302)
3764794.3	0.00009 (08012624)	0.00013 (08012624)	0.00017 (08112604)	0.00025 (08010701)	0.00022 (09060302)
3764697.1	0.00010 (08012624)	0.00012 (08012619)	0.00017 (08022206)	0.00015 (08010623)	0.00015 (10120518)
3764600.0	0.00009 (08012624)	0.00011 (08112604)	0.00016 (08022206)	0.00013 (09060302)	0.00015 (09060302)
3764502.9	0.00009 (08022323)	0.00009 (12030705)	0.00013 (08022206)	0.00013 (09060302)	0.00015 (09060302)
3764405.7	0.00008 (12030705)	0.00009 (08022206)	0.00011 (08010623)	0.00013 (09060302)	0.00013 (09060302)
3764308.6	0.00007 (12030705)	0.00009 (08010623)	0.00009 (08010623)	0.00012 (09060302)	0.00011 (09060302)
3764211.4	0.00008 (12030705)	0.00009 (08010623)	0.00008 (09060302)	0.00011 (09060302)	0.00009 (09060302)
3764114.3	0.00007 (08010623)	0.00007 (08010623)	0.00008 (09060302)	0.00010 (09060302)	0.00008 (09060302)

3764017.2		0.00006 (08010623)	0.00006 (08010623)	0.00008 (09060302)	0.00009 (09060302)	0.00007 (09060302)
3763920.0		0.00005 (08010623)	0.00005 (08010623)	0.00008 (09060302)	0.00009 (09060302)	0.00006 (09060302)

*** AERMOD - VERSION 15181 ***	*** C:\Lakes\AERMOD View\6351 Puente Hills Landfill Park\6351 Puente Hil ***	04/20/16
*** AERMET - VERSION 14134 ***	*** Formaldehyde ***	15:23:12
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**MODELOPTs: RegDEFAULT CONC ELEV URBAN

*** THE 1ST HIGHEST 1-HR AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: ALL ***
INCLUDING SOURCE(S): FLARE1 , FLARE2 , FLARE3 , FLARE4 , FLARE5 ,
FLARE6 , FLARE7 , FLARE8 , FLARE9 , FLARE10 , FLARE11 , FLARE12 , FLARE13 ,
FLARE14 , FLARE15 , FLARE16 , FLARE17 , FLARE18 , FLARE19 , FLARE20 , FLARE21 ,
FLARE22 , FLARE23 , FLARE24 ,

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

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

**

Y-COORD (METERS)	405512.81	405671.88	X-COORD (METERS) 405830.95	405990.02	406149.09	
3765862.8		0.00015 (10033118)	0.00014 (10042118)	0.00012 (11102318)	0.00010 (12041318)	0.00009 (12090919)
3765765.7		0.00018 (10033118)	0.00017 (10042118)	0.00013 (08020318)	0.00012 (12090919)	0.00009 (12090919)
3765668.5		0.00020 (10033118)	0.00019 (10042118)	0.00014 (12041318)	0.00012 (12090919)	0.00010 (12031819)
3765571.4		0.00026 (10042118)	0.00019 (10042118)	0.00015 (12090919)	0.00013 (12031818)	0.00011 (12031818)
3765474.3		0.00036 (10042118)	0.00017 (12121813)	0.00016 (12031818)	0.00013 (12031818)	0.00009 (12031818)
3765377.1		0.00043 (08052114)	0.00022 (12031815)	0.00013 (12031818)	0.00008 (12031818)	0.00006 (10123010)
3765280.0		0.00046 (12012113)	0.00029 (12111014)	0.00014 (12111014)	0.00009 (10122923)	0.00008 (10122923)
3765182.8		0.00047 (09022810)	0.00027 (10122923)	0.00023 (10122923)	0.00016 (10122923)	0.00015 (10122923)
3765085.7		0.00036 (09011809)	0.00022 (10112810)	0.00023 (10122923)	0.00021 (10122923)	0.00016 (10122923)
3764988.6		0.00027 (09011808)	0.00018 (11111008)	0.00019 (09102718)	0.00014 (10122923)	0.00012 (11030721)
3764891.4		0.00024 (10010903)	0.00019 (12121819)	0.00022 (09102718)	0.00015 (09102718)	0.00011 (10120102)
3764794.3		0.00014 (10010903)	0.00019 (10110404)	0.00016 (12121818)	0.00012 (09102718)	0.00014 (08122103)
3764697.1		0.00011 (10010903)	0.00015 (09011807)	0.00015 (08122803)	0.00016 (09012705)	0.00014 (10011108)
3764600.0		0.00012 (08011224)	0.00018 (09040502)	0.00016 (11022802)	0.00015 (08112603)	0.00013 (09030706)
3764502.9		0.00012 (08011224)	0.00016 (12101721)	0.00015 (10111323)	0.00013 (09011022)	0.00012 (10110523)
3764405.7		0.00010 (08011224)	0.00014 (08121022)	0.00013 (10121119)	0.00012 (12101501)	0.00011 (08112603)
3764308.6		0.00009 (08011224)	0.00013 (12010208)	0.00012 (08100624)	0.00011 (08011420)	0.00011 (10123101)
3764211.4		0.00008 (08011224)	0.00011 (08032304)	0.00011 (09040502)	0.00010 (10030504)	0.00009 (08122803)
3764114.3		0.00006 (08011224)	0.00010 (09011423)	0.00009 (10111204)	0.00007 (10110404)	0.00006 (08121003)
3764017.2		0.00005 (11012704)	0.00008 (09011423)	0.00006 (10111204)	0.00007 (09011808)	0.00006 (09011808)
3763920.0		0.00004 (11012704)	0.00005 (09011423)	0.00005 (10123106)	0.00007 (09011808)	0.00006 (09011808)

*** AERMOD - VERSION 15181 ***	*** C:\Lakes\AERMOD View\6351 Puente Hills Landfill Park\6351 Puente Hil ***	04/20/16
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**MODELOPTs: RegDEFAULT CONC ELEV URBAN

*** THE 1ST HIGHEST 1-HR AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: ALL ***
INCLUDING SOURCE(S): FLARE1 , FLARE2 , FLARE3 , FLARE4 , FLARE5 ,

FLARE6 , FLARE7 , FLARE8 , FLARE9 , FLARE10 , FLARE11 , FLARE12 , FLARE13 ,
 FLARE14 , FLARE15 , FLARE16 , FLARE17 , FLARE18 , FLARE19 , FLARE20 , FLARE21 ,
 FLARE22 , FLARE23 , FLARE24 ,

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

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

**

Y-COORD (METERS)	406308.16	406467.23	X-COORD (METERS) 406626.30	406785.37	406944.44
3765862.8	0.00008 (12031819)	0.00007 (12031819)	0.00006 (12031819)	0.00005 (10102806)	0.00005 (10102806)
3765765.7	0.00009 (12031819)	0.00007 (12031819)	0.00006 (10102806)	0.00005 (10102806)	0.00005 (10102806)
3765668.5	0.00009 (12031818)	0.00007 (12031818)	0.00006 (10102806)	0.00005 (10102806)	0.00005 (10102806)
3765571.4	0.00008 (12031818)	0.00007 (10102806)	0.00005 (10102806)	0.00005 (10102806)	0.00005 (10102806)
3765474.3	0.00007 (10102806)	0.00005 (10102806)	0.00004 (10102806)	0.00005 (10110817)	0.00005 (10110817)
3765377.1	0.00005 (10110817)	0.00007 (10110817)	0.00005 (10110817)	0.00006 (10110817)	0.00006 (10110817)
3765280.0	0.00008 (10122923)	0.00007 (10110817)	0.00006 (10110817)	0.00006 (10110817)	0.00006 (10110817)
3765182.8	0.00012 (10122923)	0.00009 (10122923)	0.00007 (10122923)	0.00006 (10122923)	0.00006 (10110817)
3765085.7	0.00014 (10122923)	0.00011 (10122923)	0.00009 (10122923)	0.00007 (10122923)	0.00006 (11030722)
3764988.6	0.00013 (10122923)	0.00012 (10122923)	0.00009 (10122923)	0.00008 (10122923)	0.00007 (10122923)
3764891.4	0.00008 (09102717)	0.00008 (11030721)	0.00008 (08052119)	0.00008 (08052119)	0.00007 (10122923)
3764794.3	0.00012 (10113005)	0.00011 (08122002)	0.00009 (10012307)	0.00006 (11030721)	0.00007 (08052119)
3764697.1	0.00012 (08042801)	0.00011 (10102719)	0.00009 (12030702)	0.00006 (08122002)	0.00006 (11030721)
3764600.0	0.00011 (10011108)	0.00010 (08042801)	0.00009 (10102719)	0.00007 (10113005)	0.00005 (09102717)
3764502.9	0.00011 (09070623)	0.00010 (09092905)	0.00009 (08042801)	0.00006 (11022803)	0.00005 (09102721)
3764405.7	0.00010 (08112807)	0.00009 (09070623)	0.00008 (09092905)	0.00005 (08122103)	0.00006 (09102721)
3764308.6	0.00009 (10110523)	0.00009 (09030706)	0.00008 (09111106)	0.00006 (08012607)	0.00006 (09102721)
3764211.4	0.00009 (08112603)	0.00008 (09122001)	0.00008 (08031106)	0.00007 (11021806)	0.00005 (09102718)
3764114.3	0.00009 (08122001)	0.00008 (08112107)	0.00007 (08112807)	0.00007 (08122101)	0.00005 (09102718)
3764017.2	0.00008 (08122803)	0.00007 (08111406)	0.00007 (10110523)	0.00006 (08013106)	0.00005 (08122101)
3763920.0	0.00008 (09121606)	0.00007 (08122708)	0.00007 (09030206)	0.00006 (08112807)	0.00006 (08013106)

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 *** AERMET - VERSION 14134 *** Formaldehyde ***

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**MODELOPTs: RegDEFAULT CONC ELEV URBAN

*** THE 1ST HIGHEST 1-HR AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: ALL ***
 INCLUDING SOURCE(S): FLARE1 , FLARE2 , FLARE3 , FLARE4 , FLARE5 ,
 FLARE6 , FLARE7 , FLARE8 , FLARE9 , FLARE10 , FLARE11 , FLARE12 , FLARE13 ,
 FLARE14 , FLARE15 , FLARE16 , FLARE17 , FLARE18 , FLARE19 , FLARE20 , FLARE21 ,
 FLARE22 , FLARE23 , FLARE24 ,

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

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

**

Y-COORD (METERS)	407103.51	407262.58	X-COORD (METERS) 407421.65	407580.72	407739.79

3765862.8	0.00004	(10102806)	0.00004	(10102806)	0.00003	(10102806)	0.00003	(10102806)	0.00003	(10102806)
3765765.7	0.00004	(10102806)	0.00004	(10102806)	0.00003	(10102806)	0.00003	(10102806)	0.00002	(12081020)
3765668.5	0.00004	(10102806)	0.00003	(10102806)	0.00003	(10102806)	0.00003	(10110817)	0.00003	(10110817)
3765571.4	0.00004	(10110817)	0.00004	(10110817)	0.00003	(10110817)	0.00003	(10110817)	0.00003	(10110817)
3765474.3	0.00005	(10110817)	0.00005	(10110817)	0.00005	(10110817)	0.00004	(10110817)	0.00003	(10110817)
3765377.1	0.00005	(10110817)	0.00005	(10110817)	0.00005	(10110817)	0.00004	(10110817)	0.00004	(10110817)
3765280.0	0.00005	(10110817)	0.00005	(10110817)	0.00005	(10110817)	0.00004	(10110817)	0.00004	(10110817)
3765182.8	0.00005	(10110817)	0.00004	(10110817)	0.00004	(10110817)	0.00004	(10110817)	0.00004	(10110817)
3765085.7	0.00005	(11030722)	0.00005	(09113004)	0.00005	(11030722)	0.00004	(11030722)	0.00004	(11030722)
3764988.6	0.00006	(10122923)	0.00005	(11030722)	0.00005	(11030722)	0.00005	(11030722)	0.00004	(11030722)
3764891.4	0.00007	(10122923)	0.00006	(10122923)	0.00005	(10122923)	0.00005	(12121821)	0.00004	(11030722)
3764794.3	0.00006	(10122923)	0.00006	(10122923)	0.00005	(08052119)	0.00004	(12121821)	0.00004	(12121821)
3764697.1	0.00006	(08052119)	0.00006	(08052119)	0.00005	(08052119)	0.00004	(08011406)	0.00004	(08052119)
3764600.0	0.00005	(08052119)	0.00005	(08052119)	0.00005	(08052119)	0.00004	(11030721)	0.00004	(08052119)
3764502.9	0.00004	(08052119)	0.00005	(08052119)	0.00004	(08052119)	0.00004	(08052119)	0.00004	(11030721)
3764405.7	0.00005	(09102721)	0.00004	(09102721)	0.00004	(08052119)	0.00004	(11030721)	0.00004	(08052119)
3764308.6	0.00005	(09102721)	0.00004	(09102721)	0.00004	(09102721)	0.00003	(09102721)	0.00003	(11030721)
3764211.4	0.00005	(09102721)	0.00005	(09102721)	0.00004	(09102721)	0.00004	(09102721)	0.00003	(09102721)
3764114.3	0.00004	(09102718)	0.00005	(09102721)	0.00004	(09102721)	0.00004	(09102721)	0.00004	(09102721)
3764017.2	0.00004	(09102718)	0.00004	(09102718)	0.00004	(09102721)	0.00004	(09102721)	0.00004	(09102721)
3763920.0	0.00004	(09102807)	0.00004	(09102718)	0.00004	(09102718)	0.00004	(09102721)	0.00003	(09102721)

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**MODELOPTs: RegDEFAULT CONC ELEV URBAN

*** THE 1ST HIGHEST 1-HR AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: ALL ***
 INCLUDING SOURCE(S): FLARE1 , FLARE2 , FLARE3 , FLARE4 , FLARE5 ,
 FLARE6 , FLARE7 , FLARE8 , FLARE9 , FLARE10 , FLARE11 , FLARE12 , FLARE13 ,
 FLARE14 , FLARE15 , FLARE16 , FLARE17 , FLARE18 , FLARE19 , FLARE20 , FLARE21 ,
 FLARE22 , FLARE23 , FLARE24 ,

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

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

**

Y-COORD (METERS)	X-COORD (METERS)
407898.86	

3765862.8	0.00002	(12081020)
3765765.7	0.00002	(10110817)
3765668.5	0.00002	(10110817)
3765571.4	0.00003	(10110817)
3765474.3	0.00003	(10110817)
3765377.1	0.00004	(10110817)
3765280.0	0.00004	(10110817)
3765182.8	0.00004	(10110817)

3765085.7 | 0.00004 (11030722)
3764988.6 | 0.00004 (11030722)
3764891.4 | 0.00004 (11030722)
3764794.3 | 0.00004 (12121821)
3764697.1 | 0.00004 (08052119)
3764600.0 | 0.00004 (08052119)
3764502.9 | 0.00004 (08052119)
3764405.7 | 0.00004 (11030721)
3764308.6 | 0.00003 (11030721)
3764211.4 | 0.00002 (11030721)
3764114.3 | 0.00003 (09102721)
3764017.2 | 0.00003 (09102721)
3763920.0 | 0.00003 (09102721)

*** AERMOD - VERSION 15181 *** C:\Lakes\AERMOD View\6351 Puente Hills Landfill Park\6351 Puente Hil *** 04/20/16
*** AERMET - VERSION 14134 *** Formaldehyde *** 15:23:12
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**MODELOPTs: RegDEFAULT CONC ELEV URBAN

*** THE 1ST HIGHEST 1-HR AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: ALL ***
INCLUDING SOURCE(S): FLARE1 , FLARE2 , FLARE3 , FLARE4 , FLARE5 ,
FLARE6 , FLARE7 , FLARE8 , FLARE9 , FLARE10 , FLARE11 , FLARE12 , FLARE13 ,
FLARE14 , FLARE15 , FLARE16 , FLARE17 , FLARE18 , FLARE19 , FLARE20 , FLARE21 ,
FLARE22 , FLARE23 , FLARE24 ,

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

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

**

X-COORD (M)	Y-COORD (M)	CONC	(YYMMDDHH)	X-COORD (M)	Y-COORD (M)	CONC	(YYMMDDHH)
405475.87	3765283.33	0.00048	(10012115)	405487.28	3765227.63	0.00036	(12080612)
405496.83	3765177.10	0.00050	(10102809)	405361.06	3765124.16	0.00049	(08010701)
405556.64	3765179.21	0.00042	(12071216)	405516.99	3765024.87	0.00028	(08031008)
405795.26	3765005.20	0.00020	(09102718)	406083.86	3765241.01	0.00010	(10122923)
406158.41	3764974.02	0.00011	(11030721)	405659.63	3764787.39	0.00019	(10110404)
405927.52	3765602.51	0.00013	(12090919)				

*** AERMOD - VERSION 15181 *** C:\Lakes\AERMOD View\6351 Puente Hills Landfill Park\6351 Puente Hil *** 04/20/16
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**MODELOPTs: RegDEFAULT CONC ELEV URBAN

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

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

**

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

ALL 1ST HIGHEST VALUE IS 0.00003 AT (405512.81, 3765377.13, 138.00, 308.00, 0.00) GC UCART1
 2ND HIGHEST VALUE IS 0.00002 AT (405475.87, 3765283.33, 178.49, 306.00, 0.00) DC
 3RD HIGHEST VALUE IS 0.00002 AT (405512.81, 3765474.27, 122.70, 311.00, 0.00) GC UCART1
 4TH HIGHEST VALUE IS 0.00002 AT (405353.74, 3765377.13, 180.70, 305.00, 0.00) GC UCART1
 5TH HIGHEST VALUE IS 0.00002 AT (405512.81, 3765279.99, 174.60, 306.00, 0.00) GC UCART1
 6TH HIGHEST VALUE IS 0.00002 AT (405353.74, 3765474.27, 163.10, 306.00, 0.00) GC UCART1
 7TH HIGHEST VALUE IS 0.00002 AT (405512.81, 3765571.41, 117.00, 311.00, 0.00) GC UCART1
 8TH HIGHEST VALUE IS 0.00002 AT (405353.74, 3765182.85, 181.90, 306.00, 0.00) GC UCART1
 9TH HIGHEST VALUE IS 0.00002 AT (405353.74, 3765279.99, 181.00, 305.00, 0.00) GC UCART1
 10TH HIGHEST VALUE IS 0.00001 AT (405671.88, 3765474.27, 125.40, 311.00, 0.00) GC UCART1

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

*** AERMOD - VERSION 15181 *** C:\Lakes\AERMOD View\6351 Puente Hills Landfill Park\6351 Puente Hil *** 04/20/16
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**MODELOPTs: RegDEFAULT CONC ELEV URBAN

*** THE SUMMARY OF HIGHEST 1-HR RESULTS ***

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

**

GROUP ID	AVERAGE CONC	DATE (YYMMDDHH)	RECEPTOR (XR, YR, ZELEV, ZHILL, ZFLAG)	OF TYPE	NETWORK GRID-ID
ALL HIGH 1ST HIGH VALUE IS	0.00100	ON 08010424: AT (405353.74, 3765377.13, 180.70, 305.00, 0.00)	GC UCART1		

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

*** AERMOD - VERSION 15181 *** C:\Lakes\AERMOD View\6351 Puente Hills Landfill Park\6351 Puente Hil *** 04/20/16
 *** AERMET - VERSION 14134 *** Formaldehyde *** 15:23:12
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**MODELOPTs: RegDEFAULT CONC ELEV URBAN

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

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

A Total of 0 Fatal Error Message(s)
 A Total of 0 Warning Message(s)

A Total of 1222 Informational Message(s)
A Total of 43848 Hours Were Processed
A Total of 13 Calm Hours Identified
A Total of 1209 Missing Hours Identified (2.76 Percent)

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

***** WARNING MESSAGES *****
*** NONE ***

*** AERMOD Finishes Successfully ***

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** Lakes Environmental AERMOD MPI
**
*****
**
** AERMOD Input Produced by:
** AERMOD View Ver. 9.1.0
** Lakes Environmental Software Inc.
** Date: 4/20/2016
** File: C:\Lakes\AERMOD View\Puente Hills LFP Lead\Puente Hills LFP Lead.ADI
**
*****
**
**
*****
** AERMOD Control Pathway
*****
**
**
CO STARTING
  TITLEONE C:\Lakes\AERMOD View\6351 Puente Hills Landfill Park\6351 Puente Hil
  TITLETWO Lead
  MODELOPT DFAULT CONC
  AVERTIME 1 MONTH ANNUAL
  URBANOPT 9862049 Los_Angeles_County
  POLLUTID LEAD
  RUNORNOT RUN
  ERRORFIL "Puente Hills LFP Lead.err"
CO FINISHED
**
*****
** AERMOD Source Pathway
*****
**
**
SO STARTING
** Source Location **
** Source ID - Type - X Coord. - Y Coord. **
  LOCATION FLARE1      POINT      405412.404  3765266.480    181.580
** DESCRSRC Flares (24 total)
  LOCATION FLARE2      POINT      405417.595  3765268.614    181.640
** DESCRSRC Flares (24 total)
  LOCATION FLARE3      POINT      405415.440  3765263.023    181.620
** DESCRSRC Flares (24 total)
  LOCATION FLARE4      POINT      405420.770  3765264.143    181.690
** DESCRSRC Flares (24 total)
  LOCATION FLARE5      POINT      405417.256  3765258.874    181.640
** DESCRSRC Flares (24 total)
  LOCATION FLARE6      POINT      405423.409  3765260.689    181.720
** DESCRSRC Flares (24 total)
  LOCATION FLARE7      POINT      405418.220  3765254.700    181.650
** DESCRSRC Flares (24 total)

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LOCATION	FLARE8	POINT	405426.799	3765256.850	181.770
** DESCRSRC	Flares (24 total)				
LOCATION	FLARE9	POINT	405420.223	3765250.883	181.680
** DESCRSRC	Flares (24 total)				
LOCATION	FLARE10	POINT	405429.052	3765252.454	181.800
** DESCRSRC	Flares (24 total)				
LOCATION	FLARE11	POINT	405423.375	3765246.684	181.720
** DESCRSRC	Flares (24 total)				
LOCATION	FLARE12	POINT	405431.589	3765249.405	181.830
** DESCRSRC	Flares (24 total)				
LOCATION	FLARE13	POINT	405427.483	3765241.984	181.780
** DESCRSRC	Flares (24 total)				
LOCATION	FLARE14	POINT	405433.797	3765244.836	181.860
** DESCRSRC	Flares (24 total)				
LOCATION	FLARE15	POINT	405430.394	3765236.806	181.820
** DESCRSRC	Flares (24 total)				
LOCATION	FLARE16	POINT	405436.611	3765241.272	181.900
** DESCRSRC	Flares (24 total)				
LOCATION	FLARE17	POINT	405433.570	3765232.416	181.860
** DESCRSRC	Flares (24 total)				
LOCATION	FLARE18	POINT	405439.798	3765236.907	181.940
** DESCRSRC	Flares (24 total)				
LOCATION	FLARE19	POINT	405436.746	3765227.834	181.900
** DESCRSRC	Flares (24 total)				
LOCATION	FLARE20	POINT	405442.425	3765233.337	181.970
** DESCRSRC	Flares (24 total)				
LOCATION	FLARE21	POINT	405440.173	3765223.711	181.940
** DESCRSRC	Flares (24 total)				
LOCATION	FLARE22	POINT	405445.453	3765228.464	181.980
** DESCRSRC	Flares (24 total)				
LOCATION	FLARE23	POINT	405442.883	3765219.270	181.980
** DESCRSRC	Flares (24 total)				
LOCATION	FLARE24	POINT	405449.335	3765223.937	181.930
** DESCRSRC	Flares (24 total)				
** Source Parameters **					
SRCPARAM	FLARE1	6.5924E-09	10.226	1088.706	4.245 2.530
SRCPARAM	FLARE2	6.5924E-09	10.226	1088.706	4.245 2.530
SRCPARAM	FLARE3	6.5924E-09	10.226	1088.706	4.245 2.530
SRCPARAM	FLARE4	6.5924E-09	10.226	1088.706	4.245 2.530
SRCPARAM	FLARE5	6.5924E-09	10.226	1088.706	4.245 2.530
SRCPARAM	FLARE6	6.5924E-09	10.226	1088.706	4.245 2.530
SRCPARAM	FLARE7	6.5924E-09	10.226	1088.706	4.245 2.530
SRCPARAM	FLARE8	6.5924E-09	10.226	1088.706	4.245 2.530
SRCPARAM	FLARE9	6.5924E-09	10.226	1088.706	4.245 2.530
SRCPARAM	FLARE10	6.5924E-09	10.226	1088.706	4.245 2.530
SRCPARAM	FLARE11	6.5924E-09	10.226	1088.706	4.245 2.530
SRCPARAM	FLARE12	6.5924E-09	10.226	1088.706	4.245 2.530
SRCPARAM	FLARE13	6.5924E-09	10.226	1088.706	4.245 2.530
SRCPARAM	FLARE14	6.5924E-09	10.226	1088.706	4.245 2.530
SRCPARAM	FLARE15	6.5924E-09	10.226	1088.706	4.245 2.530
SRCPARAM	FLARE16	6.5924E-09	10.226	1088.706	4.245 2.530

SRCPARAM	FLARE17	6.5924E-09	10.226	1088.706	4.245	2.530
SRCPARAM	FLARE18	6.5924E-09	10.226	1088.706	4.245	2.530
SRCPARAM	FLARE19	6.5924E-09	10.226	1088.706	4.245	2.530
SRCPARAM	FLARE20	6.5924E-09	10.226	1088.706	4.245	2.530
SRCPARAM	FLARE21	6.5924E-09	10.226	1088.706	4.245	2.530
SRCPARAM	FLARE22	6.5924E-09	10.226	1088.706	4.245	2.530
SRCPARAM	FLARE23	6.5924E-09	10.226	1088.706	4.245	2.530
SRCPARAM	FLARE24	6.5924E-09	10.226	1088.706	4.245	2.530
URBANSRC	ALL					
SRCGROUP	ALL					

SO FINISHED

**

** AERMOD Receptor Pathway

**

**

RE STARTING

INCLUDED "Puente Hills LFP Lead.rou"

RE FINISHED

**

** AERMOD Meteorology Pathway

**

**

ME STARTING

SURFFILE "C:\Users\Kate Wilson\Desktop\Met data\pico8.sfc"

PROFFILE "C:\Users\Kate Wilson\Desktop\Met data\pico8.PFL"

SURFDATA 0 2008

UAIRDATA 3190 2008

SITEDATA 99999 2008

PROFBASE 58.0 METERS

ME FINISHED

**

** AERMOD Output Pathway

**

**

OU STARTING

RECTABLE ALLAVE 1ST

RECTABLE 1 1ST

RECTABLE MONTH 1ST

** Auto-Generated Plotfiles

PLOTFILE 1 ALL 1ST "PUENTE HILLS LFP LEAD.AD\01H1GALL.PLT" 31

PLOTFILE MONTH ALL 1ST "PUENTE HILLS LFP LEAD.AD\M0H1GALL.PLT" 32

PLOTFILE ANNUAL ALL "PUENTE HILLS LFP LEAD.AD\AN00GALL.PLT" 33

SUMMFILE "Puente Hills LFP Lead.sum"

OU FINISHED

*** SETUP Finishes Successfully ***

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**MODELOPTs: RegDEFAULT CONC ELEV URBAN

*** MODEL SETUP OPTIONS SUMMARY ***

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

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

**Model Uses URBAN Dispersion Algorithm for the SBL for 24 Source(s),
for Total of 1 Urban Area(s):
Urban Population = 9862049.0 ; Urban Roughness Length = 1.000 m

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

**Other Options Specified:
TEMP_Sub - Meteorological data includes TEMP substitutions

**Model Assumes No FLAGPOLE Receptor Heights.

**The User Specified a Pollutant Type of: LEAD

**Model Calculates 2 Short Term Average(s) of: 1-HR MONTH
and Calculates ANNUAL Averages

**This Run Includes: 24 Source(s); 1 Source Group(s); and 452 Receptor(s)

with: 24 POINT(s), including
 0 POINTCAP(s) and 0 POINTHOR(s)
and: 0 VOLUME source(s)
and: 0 AREA type source(s)
and: 0 LINE source(s)
and: 0 OPENPIT source(s)

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

**The AERMET Input Meteorological Data Version Date: 14134

**Output Options Selected:

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

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

**Misc. Inputs: Base Elev. for Pot. Temp. Profile (m MSL) = 58.00 ; 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: Puente Hills LFP Lead.err

**File for Summary of Results: Puente Hills LFP Lead.sum

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**MODELOPTs: RegDFAULT CONC ELEV URBAN

*** POINT SOURCE DATA ***

SOURCE ID	NUMBER PART. CATS.	EMISSION RATE (GRAMS/SEC)	X (METERS)	Y (METERS)	BASE ELEV. (METERS)	STACK HEIGHT (METERS)	STACK TEMP. (DEG.K)	STACK EXIT VEL. (M/SEC)	STACK DIAMETER (METERS)	BLDG EXISTS	URBAN SOURCE	CAP/ HOR	EMIS RATE SCALAR VARY BY
FLARE1	0	0.65924E-08	405412.4	3765266.5	181.6	10.23	1088.71	4.25	2.53	NO	YES	NO	
FLARE2	0	0.65924E-08	405417.6	3765268.6	181.6	10.23	1088.71	4.25	2.53	NO	YES	NO	
FLARE3	0	0.65924E-08	405415.4	3765263.0	181.6	10.23	1088.71	4.25	2.53	NO	YES	NO	
FLARE4	0	0.65924E-08	405420.8	3765264.1	181.7	10.23	1088.71	4.25	2.53	NO	YES	NO	
FLARE5	0	0.65924E-08	405417.3	3765258.9	181.6	10.23	1088.71	4.25	2.53	NO	YES	NO	
FLARE6	0	0.65924E-08	405423.4	3765260.7	181.7	10.23	1088.71	4.25	2.53	NO	YES	NO	
FLARE7	0	0.65924E-08	405418.2	3765254.7	181.7	10.23	1088.71	4.25	2.53	NO	YES	NO	
FLARE8	0	0.65924E-08	405426.8	3765256.8	181.8	10.23	1088.71	4.25	2.53	NO	YES	NO	
FLARE9	0	0.65924E-08	405420.2	3765250.9	181.7	10.23	1088.71	4.25	2.53	NO	YES	NO	
FLARE10	0	0.65924E-08	405429.1	3765252.5	181.8	10.23	1088.71	4.25	2.53	NO	YES	NO	
FLARE11	0	0.65924E-08	405423.4	3765246.7	181.7	10.23	1088.71	4.25	2.53	NO	YES	NO	
FLARE12	0	0.65924E-08	405431.6	3765249.4	181.8	10.23	1088.71	4.25	2.53	NO	YES	NO	
FLARE13	0	0.65924E-08	405427.5	3765242.0	181.8	10.23	1088.71	4.25	2.53	NO	YES	NO	

FLARE14	0	0.65924E-08	405433.8	3765244.8	181.9	10.23	1088.71	4.25	2.53	NO	YES	NO
FLARE15	0	0.65924E-08	405430.4	3765236.8	181.8	10.23	1088.71	4.25	2.53	NO	YES	NO
FLARE16	0	0.65924E-08	405436.6	3765241.3	181.9	10.23	1088.71	4.25	2.53	NO	YES	NO
FLARE17	0	0.65924E-08	405433.6	3765232.4	181.9	10.23	1088.71	4.25	2.53	NO	YES	NO
FLARE18	0	0.65924E-08	405439.8	3765236.9	181.9	10.23	1088.71	4.25	2.53	NO	YES	NO
FLARE19	0	0.65924E-08	405436.7	3765227.8	181.9	10.23	1088.71	4.25	2.53	NO	YES	NO
FLARE20	0	0.65924E-08	405442.4	3765233.3	182.0	10.23	1088.71	4.25	2.53	NO	YES	NO
FLARE21	0	0.65924E-08	405440.2	3765223.7	181.9	10.23	1088.71	4.25	2.53	NO	YES	NO
FLARE22	0	0.65924E-08	405445.5	3765228.5	182.0	10.23	1088.71	4.25	2.53	NO	YES	NO
FLARE23	0	0.65924E-08	405442.9	3765219.3	182.0	10.23	1088.71	4.25	2.53	NO	YES	NO
FLARE24	0	0.65924E-08	405449.3	3765223.9	181.9	10.23	1088.71	4.25	2.53	NO	YES	NO

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**MODELOPTs: RegDFAULT CONC ELEV URBAN

*** SOURCE IDs DEFINING SOURCE GROUPS ***

SRCGROUP ID	SOURCE IDs															
-----	-----															
ALL	FLARE1	,	FLARE2	,	FLARE3	,	FLARE4	,	FLARE5	,	FLARE6	,	FLARE7	,	FLARE8	,
	FLARE9	,	FLARE10	,	FLARE11	,	FLARE12	,	FLARE13	,	FLARE14	,	FLARE15	,	FLARE16	,
	FLARE17	,	FLARE18	,	FLARE19	,	FLARE20	,	FLARE21	,	FLARE22	,	FLARE23	,	FLARE24	,

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**MODELOPTs: RegDFAULT CONC ELEV URBAN

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

URBAN ID	URBAN POP	SOURCE IDs															
-----	-----	-----															
FLARE8	9862049.	FLARE1	,	FLARE2	,	FLARE3	,	FLARE4	,	FLARE5	,	FLARE6	,	FLARE7	,		
		FLARE9	,	FLARE10	,	FLARE11	,	FLARE12	,	FLARE13	,	FLARE14	,	FLARE15	,	FLARE16	,
		FLARE17	,	FLARE18	,	FLARE19	,	FLARE20	,	FLARE21	,	FLARE22	,	FLARE23	,	FLARE24	,

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**MODELOPTs: RegDFAULT CONC ELEV URBAN

*** GRIDDED RECEPTOR NETWORK SUMMARY ***

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

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

404717.5, 404876.5, 405035.6, 405194.7, 405353.7, 405512.8, 405671.9, 405831.0, 405990.0, 406149.1,
406308.2, 406467.2, 406626.3, 406785.4, 406944.4, 407103.5, 407262.6, 407421.7, 407580.7, 407739.8,
407898.9,

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

3763920.0, 3764017.2, 3764114.3, 3764211.4, 3764308.6, 3764405.7, 3764502.9, 3764600.0, 3764697.1, 3764794.3,
3764891.4, 3764988.6, 3765085.7, 3765182.8, 3765280.0, 3765377.1, 3765474.3, 3765571.4, 3765668.5, 3765765.7,
3765862.8,

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**MODELOPTs: RegDFAULT CONC ELEV URBAN

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

* ELEVATION HEIGHTS IN METERS *

Y-COORD (METERS)	404717.46	404876.53	405035.60	405194.67	405353.74	405512.81	405671.88	405830.95	405990.02
3765862.83	85.20	86.70	88.10	89.80	90.80	91.00	95.30	97.70	97.60
3765765.69	88.00	89.30	91.00	94.80	98.90	99.40	104.00	109.00	109.90
3765668.55	92.90	93.50	102.50	106.30	109.10	108.80	113.00	121.00	120.80
3765571.41	101.00	106.10	116.80	124.20	124.70	117.00	117.30	124.50	121.10
3765474.27	109.40	115.90	132.00	161.80	163.10	122.70	125.40	130.20	121.80
3765377.13	115.60	122.00	145.70	178.70	180.70	138.00	152.10	139.20	121.20
3765279.99	119.10	127.70	157.90	180.20	181.00	174.60	174.50	156.40	131.80
3765182.85	121.50	136.60	167.70	180.50	181.90	182.10	182.00	174.90	168.00
3765085.71	125.30	146.90	177.00	181.90	185.70	191.60	182.00	182.00	184.20
3764988.57	124.50	139.80	172.30	181.90	194.40	221.20	192.20	190.60	201.00
3764891.43	121.60	127.80	162.80	181.70	210.40	242.30	223.60	216.80	231.60
3764794.29	121.80	132.20	165.00	192.00	229.20	245.50	246.70	242.80	245.30
3764697.15	124.00	142.10	174.70	207.10	240.70	250.90	260.70	268.50	279.10
3764600.01	125.70	140.80	179.10	204.50	233.90	258.20	281.20	295.40	302.00
3764502.87	122.10	125.00	177.00	187.00	218.30	262.80	299.20	303.40	302.80
3764405.73	121.00	144.60	179.30	181.90	211.60	263.90	304.00	303.80	303.90
3764308.59	146.30	164.20	181.70	182.00	220.20	264.90	304.00	303.50	297.60

3764211.45	174.40	180.90	182.00	182.00	229.50	265.30	293.20	290.50	276.00
3764114.31	171.50	170.00	180.40	182.00	228.70	262.60	281.20	272.60	252.30
3764017.17	121.00	151.40	179.00	181.90	232.40	255.60	268.20	257.90	243.50
3763920.03	123.00	148.90	183.50	197.80	241.00	247.10	253.90	250.20	243.70

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**MODELOPTs: RegDEFAULT CONC ELEV URBAN

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

* ELEVATION HEIGHTS IN METERS *

Y-COORD (METERS)	406149.09	406308.16	406467.23	406626.30	406785.37	406944.44	407103.51	407262.58	407421.65
3765862.83	91.80	88.90	87.90	93.00	98.60	102.20	99.00	97.50	94.70
3765765.69	101.30	95.70	95.00	99.00	108.40	112.80	108.00	105.20	105.70
3765668.55	111.90	109.30	110.60	113.00	126.00	147.00	130.70	131.70	135.30
3765571.41	118.80	121.20	120.30	117.90	133.60	177.80	156.80	158.40	161.60
3765474.27	126.50	144.40	151.70	127.90	164.20	183.80	183.70	183.30	185.80
3765377.13	138.10	167.60	180.80	156.00	177.30	192.30	195.70	197.70	200.80
3765279.99	161.50	182.70	185.20	172.90	188.80	199.00	201.20	209.50	212.90
3765182.85	191.40	193.30	190.10	192.50	202.60	219.30	231.20	250.40	236.10
3765085.71	229.10	207.40	194.10	206.00	216.30	231.40	250.90	256.80	244.90
3764988.57	243.20	225.30	214.60	225.80	226.50	226.20	227.40	232.10	232.10
3764891.43	255.60	246.70	243.80	247.20	236.80	225.50	210.80	214.80	226.80
3764794.29	277.90	279.40	280.10	270.10	251.20	238.70	215.80	203.70	239.10
3764697.15	297.40	300.80	302.60	288.20	261.50	248.70	223.20	195.80	225.90
3764600.01	303.50	304.00	305.10	297.60	265.00	247.90	222.20	190.60	198.40
3764502.87	303.90	303.50	303.50	298.20	262.00	240.50	208.40	185.40	184.50
3764405.73	303.80	302.50	301.00	295.80	257.30	233.20	207.70	179.10	177.00
3764308.59	293.60	300.30	299.40	296.50	262.00	233.10	223.50	184.50	173.70
3764211.45	277.00	295.40	303.20	302.20	278.10	241.70	237.60	209.30	190.90
3764114.31	258.70	290.30	306.90	307.60	289.30	250.60	252.50	235.30	211.20
3764017.17	244.30	289.20	303.10	304.30	294.80	262.20	253.10	244.20	212.60
3763920.03	251.70	287.60	300.70	299.50	297.00	274.70	257.00	234.70	215.20

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**MODELOPTs: RegDEFAULT CONC ELEV URBAN

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

* ELEVATION HEIGHTS IN METERS *

Y-COORD (METERS)	407580.72	407739.79	407898.86	X-COORD (METERS)

3765862.83	87.60	83.40	78.20
3765765.69	102.50	97.50	91.70
3765668.55	116.90	112.80	103.10
3765571.41	129.10	121.80	114.90
3765474.27	156.60	146.00	138.50
3765377.13	182.60	174.00	173.40
3765279.99	203.70	197.40	195.90
3765182.85	227.90	226.10	206.00
3765085.71	234.50	231.90	205.50
3764988.57	220.40	210.80	196.60
3764891.43	226.00	212.30	186.50
3764794.29	249.90	238.50	206.80
3764697.15	259.40	252.50	223.70
3764600.01	245.40	248.40	223.70
3764502.87	221.90	229.20	208.80
3764405.73	188.10	194.70	185.80
3764308.59	164.80	160.90	153.60
3764211.45	177.30	166.10	141.70
3764114.31	196.00	186.80	150.60
3764017.17	188.40	181.90	150.80
3763920.03	176.00	164.80	150.40

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**MODELOPTs:  RegDFAULT  CONC          ELEV          URBAN

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*** NETWORK ID: UCART1 ; NETWORK TYPE: GRIDCART ***
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* HILL HEIGHT SCALES IN METERS *

Y-COORD (METERS)	X-COORD (METERS)								
	404717.46	404876.53	405035.60	405194.67	405353.74	405512.81	405671.88	405830.95	405990.02
3765862.83	306.00	306.00	306.00	307.00	308.00	311.00	311.00	311.00	311.00
3765765.69	306.00	306.00	306.00	308.00	308.00	311.00	311.00	311.00	311.00
3765668.55	306.00	306.00	306.00	307.00	308.00	311.00	311.00	311.00	311.00
3765571.41	306.00	306.00	306.00	306.00	306.00	311.00	311.00	311.00	311.00
3765474.27	306.00	306.00	306.00	305.00	306.00	311.00	311.00	311.00	311.00
3765377.13	306.00	306.00	306.00	304.00	305.00	308.00	308.00	311.00	311.00
3765279.99	306.00	306.00	305.00	304.00	305.00	306.00	306.00	311.00	311.00
3765182.85	306.00	306.00	305.00	305.00	306.00	306.00	306.00	308.00	311.00
3765085.71	306.00	305.00	304.00	305.00	306.00	306.00	307.00	308.00	311.00
3764988.57	306.00	306.00	305.00	305.00	305.00	304.00	306.00	308.00	308.00
3764891.43	306.00	307.00	306.00	305.00	304.00	304.00	306.00	306.00	306.00
3764794.29	306.00	307.00	305.00	305.00	304.00	304.00	304.00	306.00	306.00
3764697.15	307.00	306.00	305.00	304.00	304.00	304.00	304.00	304.00	304.00
3764600.01	307.00	307.00	305.00	304.00	304.00	304.00	304.00	304.00	302.00

3764502.87	308.00	354.00	305.00	305.00	304.00	304.00	304.00	303.40	302.80
3764405.73	349.00	307.00	304.00	305.00	304.00	304.00	304.00	303.80	303.90
3764308.59	304.00	304.00	304.00	305.00	304.00	304.00	304.00	303.50	297.60
3764211.45	304.00	304.00	304.00	307.00	304.00	304.00	304.00	304.00	304.00
3764114.31	304.00	304.00	304.00	307.00	304.00	304.00	304.00	304.00	308.00
3764017.17	354.00	354.00	304.00	354.00	304.00	304.00	304.00	304.00	308.00
3763920.03	354.00	354.00	304.00	304.00	304.00	304.00	304.00	304.00	308.00

*** AERMOD - VERSION 15181 ***	*** C:\Lakes\AERMOD View\6351 Puente Hills Landfill Park\6351 Puente Hil ***	04/20/16
*** AERMET - VERSION 14134 ***	*** Lead ***	15:31:02
		PAGE 10

**MODELOPTs: RegDFAULT CONC ELEV URBAN

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

* HILL HEIGHT SCALES IN METERS *

Y-COORD (METERS)	406149.09	406308.16	406467.23	406626.30	406785.37	406944.44	407103.51	407262.58	407421.65
3765862.83	311.00	311.00	311.00	311.00	311.00	311.00	311.00	311.00	311.00
3765765.69	311.00	311.00	311.00	311.00	311.00	311.00	311.00	311.00	311.00
3765668.55	311.00	311.00	311.00	311.00	311.00	311.00	311.00	311.00	311.00
3765571.41	311.00	311.00	311.00	311.00	311.00	306.00	311.00	306.00	306.00
3765474.27	311.00	311.00	311.00	311.00	311.00	306.00	306.00	306.00	267.00
3765377.13	311.00	311.00	306.00	311.00	311.00	306.00	306.00	306.00	267.00
3765279.99	311.00	311.00	311.00	311.00	311.00	306.00	306.00	302.00	263.00
3765182.85	308.00	311.00	311.00	311.00	306.00	306.00	263.00	263.00	263.00
3765085.71	306.00	306.00	311.00	311.00	306.00	306.00	259.00	263.00	263.00
3764988.57	306.00	306.00	311.00	306.00	306.00	306.00	306.00	263.00	267.00
3764891.43	306.00	306.00	306.00	306.00	306.00	311.00	311.00	311.00	267.00
3764794.29	305.00	306.00	306.00	306.00	306.00	306.00	311.00	311.00	267.00
3764697.15	303.00	300.80	302.60	306.00	306.00	306.00	311.00	311.00	267.00
3764600.01	303.50	304.00	305.10	306.00	306.00	311.00	311.00	311.00	311.00
3764502.87	303.90	303.50	303.50	306.00	311.00	311.00	311.00	311.00	311.00
3764405.73	303.80	302.50	301.00	304.00	311.00	311.00	311.00	354.00	354.00
3764308.59	304.00	300.30	299.40	296.50	311.00	311.00	311.00	354.00	354.00
3764211.45	304.00	295.40	303.20	302.20	311.00	311.00	311.00	345.00	354.00
3764114.31	308.00	307.00	306.90	307.60	311.00	311.00	311.00	311.00	345.00
3764017.17	311.00	307.00	303.10	304.30	311.00	311.00	311.00	311.00	354.00
3763920.03	309.00	304.00	300.70	299.50	297.00	311.00	311.00	345.00	354.00

*** AERMOD - VERSION 15181 ***	*** C:\Lakes\AERMOD View\6351 Puente Hills Landfill Park\6351 Puente Hil ***	04/20/16
*** AERMET - VERSION 14134 ***	*** Lead ***	15:31:02
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**MODELOPTs: RegDFAULT CONC ELEV URBAN

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

* HILL HEIGHT SCALES IN METERS *

Y-COORD (METERS)	X-COORD (METERS)		
	407580.72	407739.79	407898.86
3765862.83	311.00	311.00	311.00
3765765.69	311.00	311.00	311.00
3765668.55	311.00	311.00	311.00
3765571.41	311.00	311.00	311.00
3765474.27	306.00	306.00	306.00
3765377.13	267.00	267.00	267.00
3765279.99	267.00	267.00	267.00
3765182.85	263.00	240.00	267.00
3765085.71	238.00	240.00	267.00
3764988.57	267.00	267.00	267.00
3764891.43	267.00	267.00	267.00
3764794.29	267.00	267.00	267.00
3764697.15	267.00	265.00	267.00
3764600.01	267.00	265.00	267.00
3764502.87	267.00	267.00	267.00
3764405.73	345.00	311.00	343.00
3764308.59	354.00	354.00	354.00
3764211.45	354.00	354.00	354.00
3764114.31	352.00	352.00	354.00
3764017.17	354.00	354.00	354.00
3763920.03	354.00	354.00	354.00

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*** AERMOD - VERSION 15181 ***   *** C:\Lakes\AERMOD View\6351 Puente Hills Landfill Park\6351 Puente Hil ***   04/20/16
*** AERMET - VERSION 14134 ***   *** Lead ***   ***   15:31:02
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**MODELOPTs: RegDFAULT CONC ELEV URBAN

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

(405475.9, 3765283.3,	178.5,	306.0,	0.0);	(405487.3, 3765227.6,	181.1,	306.0,	0.0);
(405496.8, 3765177.1,	182.5,	306.0,	0.0);	(405361.1, 3765124.2,	183.8,	306.0,	0.0);
(405556.6, 3765179.2,	182.0,	306.0,	0.0);	(405517.0, 3765024.9,	207.2,	305.0,	0.0);
(405795.3, 3765005.2,	188.0,	308.0,	0.0);	(406083.9, 3765241.0,	155.0,	311.0,	0.0);
(406158.4, 3764974.0,	244.3,	306.0,	0.0);	(405659.6, 3764787.4,	247.3,	304.0,	0.0);
(405927.5, 3765602.5,	122.2,	311.0,	0.0);				

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*** AERMOD - VERSION 15181 ***   *** C:\Lakes\AERMOD View\6351 Puente Hills Landfill Park\6351 Puente Hil ***   04/20/16
*** AERMET - VERSION 14134 ***   *** Lead ***   ***   15:31:02
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**MODELOPTs: RegDFAULT CONC ELEV URBAN

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

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

1.54, 3.09, 5.14, 8.23, 10.80,

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**MODELOPTs:  ReqDFAULT  CONC          ELEV          URBAN

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

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Surface file: C:\Users\Kate Wilson\Desktop\Met data\pico8.sfc           Met Version: 14134
Profile file: C:\Users\Kate Wilson\Desktop\Met data\pico8.PFL
Surface format: FREE
Profile format: FREE
Surface station no.: 0           Upper air station no.: 3190
Name: UNKNOWN                   Name: UNKNOWN
Year: 2008                      Year: 2008

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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		
08	01	01	1	01	-999.0	-9.000	-9.000	-9.000	-999.	-999.	-99999.0	0.34	1.00	1.00	999.00	999.	-9.0	285.4	5.5					
08	01	01	1	02	-999.0	-9.000	-9.000	-9.000	-999.	-999.	-99999.0	0.34	1.00	1.00	999.00	999.	-9.0	284.2	5.5					
08	01	01	1	03	-999.0	-9.000	-9.000	-9.000	-999.	-999.	-99999.0	0.34	1.00	1.00	999.00	999.	-9.0	283.8	5.5					
08	01	01	1	04	-999.0	-9.000	-9.000	-9.000	-999.	-999.	-99999.0	0.34	1.00	1.00	999.00	999.	-9.0	284.2	5.5					
08	01	01	1	05	-999.0	-9.000	-9.000	-9.000	-999.	-999.	-99999.0	0.34	1.00	1.00	999.00	999.	-9.0	284.9	5.5					
08	01	01	1	06	-999.0	-9.000	-9.000	-9.000	-999.	-999.	-99999.0	0.34	1.00	1.00	999.00	999.	-9.0	285.4	5.5					
08	01	01	1	07	-999.0	-9.000	-9.000	-9.000	-999.	-999.	-99999.0	0.34	1.00	1.00	999.00	999.	-9.0	285.9	5.5					
08	01	01	1	08	-999.0	-9.000	-9.000	-9.000	-999.	-999.	-99999.0	0.34	1.00	0.54	999.00	999.	-9.0	286.4	5.5					
08	01	01	1	09	28.6	-9.000	-9.000	-9.000	61.	-999.	-99999.0	0.34	1.00	0.32	999.00	999.	-9.0	287.0	5.5					
08	01	01	1	10	83.5	-9.000	-9.000	-9.000	164.	-999.	-99999.0	0.34	1.00	0.24	999.00	999.	-9.0	289.2	5.5					
08	01	01	1	11	131.2	-9.000	-9.000	-9.000	427.	-999.	-99999.0	0.34	1.00	0.21	999.00	999.	-9.0	292.5	5.5					
08	01	01	1	12	130.6	-9.000	-9.000	-9.000	620.	-999.	-99999.0	0.34	1.00	0.20	999.00	999.	-9.0	294.2	5.5					
08	01	01	1	13	112.1	-9.000	-9.000	-9.000	723.	-999.	-99999.0	0.34	1.00	0.20	999.00	999.	-9.0	294.9	5.5					
08	01	01	1	14	86.7	-9.000	-9.000	-9.000	762.	-999.	-99999.0	0.34	1.00	0.21	999.00	999.	-9.0	294.9	5.5					
08	01	01	1	15	37.3	-9.000	-9.000	-9.000	778.	-999.	-99999.0	0.34	1.00	0.25	999.00	999.	-9.0	294.2	5.5					

3764502.87	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000
3764405.73	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000
3764308.59	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000
3764211.45	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000
3764114.31	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000
3764017.17	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000
3763920.03	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000

*** AERMOD - VERSION 15181 *** *** C:\Lakes\AERMOD View\6351 Puente Hills Landfill Park\6351 Puente Hil *** 04/20/16
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**MODELOPTs: RegDFAULT CONC ELEV URBAN

*** THE ANNUAL AVERAGE CONCENTRATION VALUES AVERAGED OVER 5 YEARS FOR SOURCE GROUP: ALL ***
 INCLUDING SOURCE(S): FLARE1 , FLARE2 , FLARE3 , FLARE4 , FLARE5 ,
 FLARE6 , FLARE7 , FLARE8 , FLARE9 , FLARE10 , FLARE11 , FLARE12 , FLARE13 ,
 FLARE14 , FLARE15 , FLARE16 , FLARE17 , FLARE18 , FLARE19 , FLARE20 , FLARE21 ,
 FLARE22 , FLARE23 , FLARE24 ,

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

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

Y-COORD (METERS)	406149.09	406308.16	406467.23	406626.30	406785.37	406944.44	407103.51	407262.58	407421.65
3765862.83	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000
3765765.69	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000
3765668.55	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000
3765571.41	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000
3765474.27	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000
3765377.13	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000
3765279.99	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000
3765182.85	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000
3765085.71	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000
3764988.57	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000
3764891.43	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000
3764794.29	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000
3764697.15	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000
3764600.01	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000
3764502.87	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000
3764405.73	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000
3764308.59	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000
3764211.45	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000
3764114.31	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000
3764017.17	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000
3763920.03	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000

*** AERMOD - VERSION 15181 *** *** C:\Lakes\AERMOD View\6351 Puente Hills Landfill Park\6351 Puente Hil *** 04/20/16
 *** AERMET - VERSION 14134 *** *** Lead *** 15:31:02

**MODELOPTs: RegDFAULT CONC ELEV URBAN

*** THE ANNUAL AVERAGE CONCENTRATION VALUES AVERAGED OVER 5 YEARS FOR SOURCE GROUP: ALL ***
 INCLUDING SOURCE(S): FLARE1 , FLARE2 , FLARE3 , FLARE4 , FLARE5 ,
 FLARE6 , FLARE7 , FLARE8 , FLARE9 , FLARE10 , FLARE11 , FLARE12 , FLARE13 ,
 FLARE14 , FLARE15 , FLARE16 , FLARE17 , FLARE18 , FLARE19 , FLARE20 , FLARE21 ,
 FLARE22 , FLARE23 , FLARE24 ,

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

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

Y-COORD (METERS)	407580.72	407739.79	407898.86	X-COORD (METERS)
3765862.83	0.00000	0.00000	0.00000	
3765765.69	0.00000	0.00000	0.00000	
3765668.55	0.00000	0.00000	0.00000	
3765571.41	0.00000	0.00000	0.00000	
3765474.27	0.00000	0.00000	0.00000	
3765377.13	0.00000	0.00000	0.00000	
3765279.99	0.00000	0.00000	0.00000	
3765182.85	0.00000	0.00000	0.00000	
3765085.71	0.00000	0.00000	0.00000	
3764988.57	0.00000	0.00000	0.00000	
3764891.43	0.00000	0.00000	0.00000	
3764794.29	0.00000	0.00000	0.00000	
3764697.15	0.00000	0.00000	0.00000	
3764600.01	0.00000	0.00000	0.00000	
3764502.87	0.00000	0.00000	0.00000	
3764405.73	0.00000	0.00000	0.00000	
3764308.59	0.00000	0.00000	0.00000	
3764211.45	0.00000	0.00000	0.00000	
3764114.31	0.00000	0.00000	0.00000	
3764017.17	0.00000	0.00000	0.00000	
3763920.03	0.00000	0.00000	0.00000	

*** AERMOD - VERSION 15181 *** *** C:\Lakes\AERMOD View\6351 Puente Hills Landfill Park\6351 Puente Hil *** 04/20/16
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**MODELOPTs: RegDFAULT CONC ELEV URBAN

*** THE ANNUAL AVERAGE CONCENTRATION VALUES AVERAGED OVER 5 YEARS FOR SOURCE GROUP: ALL ***
 INCLUDING SOURCE(S): FLARE1 , FLARE2 , FLARE3 , FLARE4 , FLARE5 ,
 FLARE6 , FLARE7 , FLARE8 , FLARE9 , FLARE10 , FLARE11 , FLARE12 , FLARE13 ,
 FLARE14 , FLARE15 , FLARE16 , FLARE17 , FLARE18 , FLARE19 , FLARE20 , FLARE21 ,
 FLARE22 , FLARE23 , FLARE24 ,

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

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

**

X-COORD (M)	Y-COORD (M)	CONC	X-COORD (M)	Y-COORD (M)	CONC
405475.87	3765283.33	0.00000	405487.28	3765227.63	0.00000
405496.83	3765177.10	0.00000	405361.06	3765124.16	0.00000
405556.64	3765179.21	0.00000	405516.99	3765024.87	0.00000
405795.26	3765005.20	0.00000	406083.86	3765241.01	0.00000
406158.41	3764974.02	0.00000	405659.63	3764787.39	0.00000
405927.52	3765602.51	0.00000			

*** AERMOD - VERSION 15181 *** C:\Lakes\AERMOD View\6351 Puente Hills Landfill Park\6351 Puente Hil *** 04/20/16
 *** AERMET - VERSION 14134 *** Lead *** 15:31:02
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**MODELOPTs: RegDEFAULT CONC ELEV URBAN

*** THE 1ST HIGHEST 1-HR AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: ALL ***
 INCLUDING SOURCE(S): FLARE1 , FLARE2 , FLARE3 , FLARE4 , FLARE5 ,
 FLARE6 , FLARE7 , FLARE8 , FLARE9 , FLARE10 , FLARE11 , FLARE12 , FLARE13 ,
 FLARE14 , FLARE15 , FLARE16 , FLARE17 , FLARE18 , FLARE19 , FLARE20 , FLARE21 ,
 FLARE22 , FLARE23 , FLARE24 ,

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

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

**

Y-COORD (METERS)	404717.46	404876.53	X-COORD (METERS)	405035.60	405194.67	405353.74
3765862.8	0.00000 (08010421)	0.00000 (08010422)	0.00000 (08012705)	0.00000 (10122017)	0.00000 (08010501)	
3765765.7	0.00000 (08010421)	0.00000 (08010421)	0.00000 (08010422)	0.00000 (10122017)	0.00000 (08010501)	
3765668.5	0.00000 (08010421)	0.00000 (08010421)	0.00000 (08010422)	0.00000 (08010423)	0.00000 (08010501)	
3765571.4	0.00000 (08012421)	0.00000 (08010421)	0.00000 (08010421)	0.00000 (08010422)	0.00000 (08010501)	
3765474.3	0.00000 (12041104)	0.00000 (08012421)	0.00000 (08010421)	0.00000 (08010422)	0.00000 (08010424)	
3765377.1	0.00000 (11032018)	0.00000 (11032018)	0.00000 (12042514)	0.00000 (10100512)	0.00000 (08010424)	
3765280.0	0.00000 (11032018)	0.00000 (11032018)	0.00000 (11032018)	0.00000 (10102712)	0.00000 (08101709)	
3765182.8	0.00000 (11032018)	0.00000 (11032018)	0.00000 (08022207)	0.00000 (11120103)	0.00000 (11120103)	
3765085.7	0.00000 (08022207)	0.00000 (08022207)	0.00000 (11120103)	0.00000 (08012701)	0.00000 (08010701)	
3764988.6	0.00000 (08022207)	0.00000 (08022207)	0.00000 (08012701)	0.00000 (08012620)	0.00000 (08010701)	
3764891.4	0.00000 (08022207)	0.00000 (08012620)	0.00000 (08012620)	0.00000 (08010701)	0.00000 (09060302)	
3764794.3	0.00000 (08012624)	0.00000 (08012624)	0.00000 (08112604)	0.00000 (08010701)	0.00000 (09060302)	
3764697.1	0.00000 (08012624)	0.00000 (08012619)	0.00000 (08022206)	0.00000 (08010623)	0.00000 (10120518)	
3764600.0	0.00000 (08012624)	0.00000 (08112604)	0.00000 (08022206)	0.00000 (09060302)	0.00000 (09060302)	
3764502.9	0.00000 (08022323)	0.00000 (12030705)	0.00000 (08022206)	0.00000 (09060302)	0.00000 (09060302)	
3764405.7	0.00000 (12030705)	0.00000 (08022206)	0.00000 (08010623)	0.00000 (09060302)	0.00000 (09060302)	
3764308.6	0.00000 (12030705)	0.00000 (08010623)	0.00000 (08010623)	0.00000 (09060302)	0.00000 (09060302)	
3764211.4	0.00000 (12030705)	0.00000 (08010623)	0.00000 (09060302)	0.00000 (09060302)	0.00000 (09060302)	
3764114.3	0.00000 (08010623)	0.00000 (08010623)	0.00000 (09060302)	0.00000 (09060302)	0.00000 (09060302)	

3764017.2		0.00000 (08010623)	0.00000 (08010623)	0.00000 (09060302)	0.00000 (09060302)	0.00000 (09060302)
3763920.0		0.00000 (08010623)	0.00000 (08010623)	0.00000 (09060302)	0.00000 (09060302)	0.00000 (09060302)

*** AERMOD - VERSION 15181 ***	*** C:\Lakes\AERMOD View\6351 Puente Hills Landfill Park\6351 Puente Hil ***	04/20/16
*** AERMET - VERSION 14134 ***	*** Lead ***	15:31:02
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**MODELOPTs: RegDEFAULT CONC ELEV URBAN

*** THE 1ST HIGHEST 1-HR AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: ALL ***
INCLUDING SOURCE(S): FLARE1 , FLARE2 , FLARE3 , FLARE4 , FLARE5 ,
FLARE6 , FLARE7 , FLARE8 , FLARE9 , FLARE10 , FLARE11 , FLARE12 , FLARE13 ,
FLARE14 , FLARE15 , FLARE16 , FLARE17 , FLARE18 , FLARE19 , FLARE20 , FLARE21 ,
FLARE22 , FLARE23 , FLARE24 ,

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

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

Y-COORD (METERS)	405512.81	405671.88	X-COORD (METERS) 405830.95	405990.02	406149.09	
3765862.8		0.00000 (10033118)	0.00000 (10042118)	0.00000 (11102318)	0.00000 (12041318)	0.00000 (12090919)
3765765.7		0.00000 (10033118)	0.00000 (10042118)	0.00000 (08020318)	0.00000 (12090919)	0.00000 (12090919)
3765668.5		0.00000 (10033118)	0.00000 (10042118)	0.00000 (12041318)	0.00000 (12090919)	0.00000 (12031819)
3765571.4		0.00000 (10042118)	0.00000 (10042118)	0.00000 (12090919)	0.00000 (12031818)	0.00000 (12031818)
3765474.3		0.00000 (10042118)	0.00000 (12121813)	0.00000 (12031818)	0.00000 (12031818)	0.00000 (12031818)
3765377.1		0.00000 (08052114)	0.00000 (12031815)	0.00000 (12031818)	0.00000 (12031818)	0.00000 (10123010)
3765280.0		0.00000 (12012113)	0.00000 (12111014)	0.00000 (12111014)	0.00000 (10122923)	0.00000 (10122923)
3765182.8		0.00000 (09022810)	0.00000 (10122923)	0.00000 (10122923)	0.00000 (10122923)	0.00000 (10122923)
3765085.7		0.00000 (09011809)	0.00000 (10112810)	0.00000 (10122923)	0.00000 (10122923)	0.00000 (10122923)
3764988.6		0.00000 (09011808)	0.00000 (11111008)	0.00000 (09102718)	0.00000 (10122923)	0.00000 (11030721)
3764891.4		0.00000 (10010903)	0.00000 (12121819)	0.00000 (09102718)	0.00000 (09102718)	0.00000 (10120102)
3764794.3		0.00000 (10010903)	0.00000 (10110404)	0.00000 (12121818)	0.00000 (09102718)	0.00000 (08122103)
3764697.1		0.00000 (10010903)	0.00000 (09011807)	0.00000 (08122803)	0.00000 (09012705)	0.00000 (10011108)
3764600.0		0.00000 (08011224)	0.00000 (09040502)	0.00000 (11022802)	0.00000 (08112603)	0.00000 (09030706)
3764502.9		0.00000 (08011224)	0.00000 (12101721)	0.00000 (10111323)	0.00000 (09011022)	0.00000 (10110523)
3764405.7		0.00000 (08011224)	0.00000 (08121022)	0.00000 (10121119)	0.00000 (12101501)	0.00000 (08112603)
3764308.6		0.00000 (08011224)	0.00000 (12010208)	0.00000 (08100624)	0.00000 (08011420)	0.00000 (10123101)
3764211.4		0.00000 (08011224)	0.00000 (08032304)	0.00000 (09040502)	0.00000 (08122803)	0.00000 (10030504)
3764114.3		0.00000 (08011224)	0.00000 (09011423)	0.00000 (10111204)	0.00000 (10110404)	0.00000 (08121003)
3764017.2		0.00000 (11012704)	0.00000 (09011423)	0.00000 (10111204)	0.00000 (09011808)	0.00000 (09011808)
3763920.0		0.00000 (11012704)	0.00000 (09011423)	0.00000 (10123106)	0.00000 (09011808)	0.00000 (09011808)

*** AERMOD - VERSION 15181 ***	*** C:\Lakes\AERMOD View\6351 Puente Hills Landfill Park\6351 Puente Hil ***	04/20/16
*** AERMET - VERSION 14134 ***	*** Lead ***	15:31:02
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**MODELOPTs: RegDEFAULT CONC ELEV URBAN

*** THE 1ST HIGHEST 1-HR AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: ALL ***
INCLUDING SOURCE(S): FLARE1 , FLARE2 , FLARE3 , FLARE4 , FLARE5 ,

FLARE6 , FLARE7 , FLARE8 , FLARE9 , FLARE10 , FLARE11 , FLARE12 , FLARE13 ,
FLARE14 , FLARE15 , FLARE16 , FLARE17 , FLARE18 , FLARE19 , FLARE20 , FLARE21 ,
FLARE22 , FLARE23 , FLARE24 ,

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

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

Y-COORD (METERS)	406308.16	406467.23	X-COORD (METERS) 406626.30	406785.37	406944.44
3765862.8	0.00000 (12031819)	0.00000 (12031819)	0.00000 (12031819)	0.00000 (10102806)	0.00000 (10102806)
3765765.7	0.00000 (12031819)	0.00000 (12031819)	0.00000 (10102806)	0.00000 (10102806)	0.00000 (10102806)
3765668.5	0.00000 (12031818)	0.00000 (12031818)	0.00000 (10102806)	0.00000 (10102806)	0.00000 (10102806)
3765571.4	0.00000 (12031818)	0.00000 (10102806)	0.00000 (10102806)	0.00000 (10102806)	0.00000 (10102806)
3765474.3	0.00000 (10102806)	0.00000 (10102806)	0.00000 (10102806)	0.00000 (10110817)	0.00000 (10110817)
3765377.1	0.00000 (10110817)	0.00000 (10110817)	0.00000 (10110817)	0.00000 (10110817)	0.00000 (10110817)
3765280.0	0.00000 (10122923)	0.00000 (10110817)	0.00000 (10110817)	0.00000 (10110817)	0.00000 (10110817)
3765182.8	0.00000 (10122923)	0.00000 (10122923)	0.00000 (10122923)	0.00000 (10122923)	0.00000 (10110817)
3765085.7	0.00000 (10122923)	0.00000 (10122923)	0.00000 (10122923)	0.00000 (10122923)	0.00000 (11030722)
3764988.6	0.00000 (10122923)	0.00000 (10122923)	0.00000 (10122923)	0.00000 (10122923)	0.00000 (10122923)
3764891.4	0.00000 (09102717)	0.00000 (11030721)	0.00000 (08052119)	0.00000 (08052119)	0.00000 (10122923)
3764794.3	0.00000 (10113005)	0.00000 (08122002)	0.00000 (10012307)	0.00000 (11030721)	0.00000 (08052119)
3764697.1	0.00000 (08042801)	0.00000 (10102719)	0.00000 (12030702)	0.00000 (08122002)	0.00000 (11030721)
3764600.0	0.00000 (10011108)	0.00000 (08042801)	0.00000 (10102719)	0.00000 (10113005)	0.00000 (09102717)
3764502.9	0.00000 (09070623)	0.00000 (09092905)	0.00000 (08042801)	0.00000 (11022803)	0.00000 (09102721)
3764405.7	0.00000 (08112807)	0.00000 (09070623)	0.00000 (09092905)	0.00000 (08122103)	0.00000 (09102721)
3764308.6	0.00000 (10110523)	0.00000 (09030706)	0.00000 (09111106)	0.00000 (08012607)	0.00000 (09102721)
3764211.4	0.00000 (08112603)	0.00000 (09122001)	0.00000 (08031106)	0.00000 (11021806)	0.00000 (09102718)
3764114.3	0.00000 (08122001)	0.00000 (08112107)	0.00000 (08112807)	0.00000 (08122101)	0.00000 (09102718)
3764017.2	0.00000 (08122803)	0.00000 (08111406)	0.00000 (10110523)	0.00000 (08013106)	0.00000 (08122101)
3763920.0	0.00000 (09121606)	0.00000 (08122708)	0.00000 (09030206)	0.00000 (08112807)	0.00000 (08013106)

*** AERMOD - VERSION 15181 *** C:\Lakes\AERMOD View\6351 Puente Hills Landfill Park\6351 Puente Hil *** 04/20/16
*** AERMET - VERSION 14134 *** Lead *** 15:31:02
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**MODELOPTs: RegDEFAULT CONC ELEV URBAN

*** THE 1ST HIGHEST 1-HR AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: ALL ***
INCLUDING SOURCE(S): FLARE1 , FLARE2 , FLARE3 , FLARE4 , FLARE5 ,
FLARE6 , FLARE7 , FLARE8 , FLARE9 , FLARE10 , FLARE11 , FLARE12 , FLARE13 ,
FLARE14 , FLARE15 , FLARE16 , FLARE17 , FLARE18 , FLARE19 , FLARE20 , FLARE21 ,
FLARE22 , FLARE23 , FLARE24 ,

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

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

Y-COORD (METERS)	407103.51	407262.58	X-COORD (METERS) 407421.65	407580.72	407739.79

3765862.8 | 0.00000 (10102806) 0.00000 (10102806) 0.00000 (10102806) 0.00000 (10102806) 0.00000 (10102806)
3765765.7 | 0.00000 (10102806) 0.00000 (10102806) 0.00000 (10102806) 0.00000 (10102806) 0.00000 (12081020)
3765668.5 | 0.00000 (10102806) 0.00000 (10102806) 0.00000 (10102806) 0.00000 (10110817) 0.00000 (10110817)
3765571.4 | 0.00000 (10110817) 0.00000 (10110817) 0.00000 (10110817) 0.00000 (10110817) 0.00000 (10110817)
3765474.3 | 0.00000 (10110817) 0.00000 (10110817) 0.00000 (10110817) 0.00000 (10110817) 0.00000 (10110817)
3765377.1 | 0.00000 (10110817) 0.00000 (10110817) 0.00000 (10110817) 0.00000 (10110817) 0.00000 (10110817)
3765280.0 | 0.00000 (10110817) 0.00000 (10110817) 0.00000 (10110817) 0.00000 (10110817) 0.00000 (10110817)
3765182.8 | 0.00000 (10110817) 0.00000 (10110817) 0.00000 (10110817) 0.00000 (10110817) 0.00000 (10110817)
3765085.7 | 0.00000 (11030722) 0.00000 (09113004) 0.00000 (11030722) 0.00000 (11030722) 0.00000 (11030722)
3764988.6 | 0.00000 (10122923) 0.00000 (11030722) 0.00000 (11030722) 0.00000 (11030722) 0.00000 (11030722)
3764891.4 | 0.00000 (10122923) 0.00000 (10122923) 0.00000 (10122923) 0.00000 (12121821) 0.00000 (11030722)
3764794.3 | 0.00000 (10122923) 0.00000 (10122923) 0.00000 (08052119) 0.00000 (12121821) 0.00000 (12121821)
3764697.1 | 0.00000 (08052119) 0.00000 (08052119) 0.00000 (08052119) 0.00000 (08011406) 0.00000 (08052119)
3764600.0 | 0.00000 (08052119) 0.00000 (08052119) 0.00000 (08052119) 0.00000 (11030721) 0.00000 (08052119)
3764502.9 | 0.00000 (08052119) 0.00000 (08052119) 0.00000 (08052119) 0.00000 (08052119) 0.00000 (11030721)
3764405.7 | 0.00000 (09102721) 0.00000 (09102721) 0.00000 (08052119) 0.00000 (11030721) 0.00000 (08052119)
3764308.6 | 0.00000 (09102721) 0.00000 (09102721) 0.00000 (09102721) 0.00000 (09102721) 0.00000 (11030721)
3764211.4 | 0.00000 (09102721) 0.00000 (09102721) 0.00000 (09102721) 0.00000 (09102721) 0.00000 (09102721)
3764114.3 | 0.00000 (09102718) 0.00000 (09102721) 0.00000 (09102721) 0.00000 (09102721) 0.00000 (09102721)
3764017.2 | 0.00000 (09102718) 0.00000 (09102718) 0.00000 (09102721) 0.00000 (09102721) 0.00000 (09102721)
3763920.0 | 0.00000 (09102807) 0.00000 (09102718) 0.00000 (09102718) 0.00000 (09102721) 0.00000 (09102721)

*** AERMOD - VERSION 15181 *** *** C:\Lakes\AERMOD View\6351 Puente Hills Landfill Park\6351 Puente Hil *** 04/20/16
*** AERMET - VERSION 14134 *** *** Lead *** 15:31:02
PAGE 23

**MODELOPTs: RegDEFAULT CONC ELEV URBAN

*** THE 1ST HIGHEST 1-HR AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: ALL ***
INCLUDING SOURCE(S): FLARE1 , FLARE2 , FLARE3 , FLARE4 , FLARE5 ,
FLARE6 , FLARE7 , FLARE8 , FLARE9 , FLARE10 , FLARE11 , FLARE12 , FLARE13 ,
FLARE14 , FLARE15 , FLARE16 , FLARE17 , FLARE18 , FLARE19 , FLARE20 , FLARE21 ,
FLARE22 , FLARE23 , FLARE24 ,

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

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

Y-COORD | X-COORD (METERS)
(METERS) | 407898.86

3765862.8 | 0.00000 (12081020)
3765765.7 | 0.00000 (10110817)
3765668.5 | 0.00000 (10110817)
3765571.4 | 0.00000 (10110817)
3765474.3 | 0.00000 (10110817)
3765377.1 | 0.00000 (10110817)
3765280.0 | 0.00000 (10110817)
3765182.8 | 0.00000 (10110817)

3765085.7	0.00000	(11030722)
3764988.6	0.00000	(11030722)
3764891.4	0.00000	(11030722)
3764794.3	0.00000	(12121821)
3764697.1	0.00000	(08052119)
3764600.0	0.00000	(08052119)
3764502.9	0.00000	(08052119)
3764405.7	0.00000	(11030721)
3764308.6	0.00000	(11030721)
3764211.4	0.00000	(11030721)
3764114.3	0.00000	(09102721)
3764017.2	0.00000	(09102721)
3763920.0	0.00000	(09102721)

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*** AERMOD - VERSION 15181 ***   *** C:\Lakes\AERMOD View\6351 Puente Hills Landfill Park\6351 Puente Hil ***   04/20/16
*** AERMET - VERSION 14134 ***   *** Lead ***   15:31:02
                                           PAGE 24

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**MODELOPTs: RegDFAULT CONC ELEV URBAN

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*** THE 1ST HIGHEST 1-HR AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: ALL ***
      INCLUDING SOURCE(S):  FLARE1      , FLARE2      , FLARE3      , FLARE4      , FLARE5      ,
FLARE6      , FLARE7      , FLARE8      , FLARE9      , FLARE10     , FLARE11     , FLARE12     , FLARE13     ,
FLARE14     , FLARE15     , FLARE16     , FLARE17     , FLARE18     , FLARE19     , FLARE20     , FLARE21     ,
FLARE22     , FLARE23     , FLARE24     ,

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*** DISCRETE CARTESIAN RECEPTOR POINTS ***

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

X-COORD (M)	Y-COORD (M)	CONC	(YYMMDDHH)	X-COORD (M)	Y-COORD (M)	CONC	(YYMMDDHH)
405475.87	3765283.33	0.00000	(10012115)	405487.28	3765227.63	0.00000	(12080612)
405496.83	3765177.10	0.00000	(10102809)	405361.06	3765124.16	0.00000	(08010701)
405556.64	3765179.21	0.00000	(12071216)	405516.99	3765024.87	0.00000	(08031008)
405795.26	3765005.20	0.00000	(09102718)	406083.86	3765241.01	0.00000	(10122923)
406158.41	3764974.02	0.00000	(11030721)	405659.63	3764787.39	0.00000	(10110404)
405927.52	3765602.51	0.00000	(12090919)				

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*** AERMOD - VERSION 15181 ***   *** C:\Lakes\AERMOD View\6351 Puente Hills Landfill Park\6351 Puente Hil ***   04/20/16
*** AERMET - VERSION 14134 ***   *** Lead ***   15:31:02
                                           PAGE 25

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**MODELOPTs: RegDFAULT CONC ELEV URBAN

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*** THE 1ST HIGHEST MONTH AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: ALL ***
      INCLUDING SOURCE(S):  FLARE1      , FLARE2      , FLARE3      , FLARE4      , FLARE5      ,
FLARE6      , FLARE7      , FLARE8      , FLARE9      , FLARE10     , FLARE11     , FLARE12     , FLARE13     ,
FLARE14     , FLARE15     , FLARE16     , FLARE17     , FLARE18     , FLARE19     , FLARE20     , FLARE21     ,
FLARE22     , FLARE23     , FLARE24     ,

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

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

**

Y-COORD (METERS)	404717.46	404876.53	X-COORD (METERS) 405035.60	405194.67	405353.74
3765862.8	0.00000 (08053124)	0.00000 (08053124)	0.00000 (08053124)	0.00000m(08063024)	0.00000 (10073124)
3765765.7	0.00000m(08013124)	0.00000 (08053124)	0.00000 (08053124)	0.00000m(08063024)	0.00000 (10073124)
3765668.5	0.00000m(08013124)	0.00000m(08013124)	0.00000 (08053124)	0.00000m(08063024)	0.00000 (10073124)
3765571.4	0.00000 (08093024)	0.00000m(08013124)	0.00000 (08053124)	0.00000 (08053124)	0.00000 (10073124)
3765474.3	0.00000 (08093024)	0.00000m(10033124)	0.00000m(08063024)	0.00000m(08063024)	0.00000m(08063024)
3765377.1	0.00000b(11113024)	0.00000b(11113024)	0.00000m(10033124)	0.00000m(08063024)	0.00000m(08063024)
3765280.0	0.00000b(11113024)	0.00000b(11113024)	0.00000b(11113024)	0.00000b(11113024)	0.00000m(08063024)
3765182.8	0.00000b(11113024)	0.00000b(11113024)	0.00000b(11113024)	0.00000b(11113024)	0.00000m(12013124)
3765085.7	0.00000b(11113024)	0.00000b(11113024)	0.00000b(11113024)	0.00000b(11113024)	0.00000m(12013124)
3764988.6	0.00000b(11113024)	0.00000b(11113024)	0.00000b(11113024)	0.00000b(12013124)	0.00000m(12013124)
3764891.4	0.00000b(11113024)	0.00000b(11113024)	0.00000m(12013124)	0.00000m(12013124)	0.00000m(12013124)
3764794.3	0.00000b(11113024)	0.00000b(11113024)	0.00000m(12013124)	0.00000m(12013124)	0.00000m(12013124)
3764697.1	0.00000b(11113024)	0.00000m(12013124)	0.00000m(12013124)	0.00000m(12013124)	0.00000m(12013124)
3764600.0	0.00000m(12013124)	0.00000m(12013124)	0.00000m(12013124)	0.00000m(12013124)	0.00000 (08093024)
3764502.9	0.00000m(12013124)	0.00000m(12013124)	0.00000m(12013124)	0.00000m(12013124)	0.00000 (08093024)
3764405.7	0.00000m(12013124)	0.00000m(12013124)	0.00000m(12013124)	0.00000m(12013124)	0.00000 (08093024)
3764308.6	0.00000m(12013124)	0.00000m(12013124)	0.00000m(12013124)	0.00000m(12013124)	0.00000 (08093024)
3764211.4	0.00000m(12013124)	0.00000m(12013124)	0.00000m(12013124)	0.00000 (08093024)	0.00000 (08093024)
3764114.3	0.00000m(12013124)	0.00000m(12013124)	0.00000m(12013124)	0.00000 (08093024)	0.00000 (08093024)
3764017.2	0.00000m(12013124)	0.00000m(12013124)	0.00000m(12013124)	0.00000 (08093024)	0.00000 (08093024)
3763920.0	0.00000m(12013124)	0.00000m(12013124)	0.00000m(12013124)	0.00000 (08093024)	0.00000 (08093024)

*** AERMOD - VERSION 15181 *** *** C:\Lakes\AERMOD View\6351 Puente Hills Landfill Park\6351 Puente Hil *** 04/20/16
 *** AERMET - VERSION 14134 *** *** Lead *** 15:31:02
 PAGE 26

**MODELOPTs: RegDEFAULT CONC ELEV URBAN

*** THE 1ST HIGHEST MONTH AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: ALL ***
 INCLUDING SOURCE(S): FLARE1 , FLARE2 , FLARE3 , FLARE4 , FLARE5 ,
 FLARE6 , FLARE7 , FLARE8 , FLARE9 , FLARE10 , FLARE11 , FLARE12 , FLARE13 ,
 FLARE14 , FLARE15 , FLARE16 , FLARE17 , FLARE18 , FLARE19 , FLARE20 , FLARE21 ,
 FLARE22 , FLARE23 , FLARE24 ,

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

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

**

Y-COORD (METERS)	405512.81	405671.88	X-COORD (METERS) 405830.95	405990.02	406149.09
3765862.8	0.00000 (10073124)	0.00000m(10083124)	0.00000m(11073124)	0.00000m(11073124)	0.00000m(11073124)
3765765.7	0.00000 (10073124)	0.00000m(10083124)	0.00000m(11073124)	0.00000m(11073124)	0.00000m(11073124)
3765668.5	0.00000 (10073124)	0.00000m(11073124)	0.00000m(11073124)	0.00000m(11073124)	0.00000m(11073124)
3765571.4	0.00000 (09073124)	0.00000m(11073124)	0.00000m(11073124)	0.00000m(11073124)	0.00000b(12093024)

3765474.3	0.00000 (09073124)	0.00000m(11073124)	0.00000m(11073124)	0.00000b(12093024)	0.00000b(12093024)
3765377.1	0.00000m(11073124)	0.00000m(11073124)	0.00000b(12093024)	0.00000b(12093024)	0.00000b(12093024)
3765280.0	0.00000m(12073124)	0.00000b(12093024)	0.00000b(12093024)	0.00000b(12093024)	0.00000b(12093024)
3765182.8	0.00000m(10013124)	0.00000m(12073124)	0.00000b(12093024)	0.00000b(12093024)	0.00000b(12093024)
3765085.7	0.00000 (08043024)	0.00000 (09123124)	0.00000 (09123124)	0.00000 (09123124)	0.00000 (09123124)
3764988.6	0.00000 (09013124)	0.00000 (09123124)	0.00000 (09123124)	0.00000 (09123124)	0.00000c(09103124)
3764891.4	0.00000 (09013124)	0.00000m(10013124)	0.00000 (09123124)	0.00000c(09103124)	0.00000c(09103124)
3764794.3	0.00000 (09013124)	0.00000m(10013124)	0.00000m(10013124)	0.00000 (09123124)	0.00000 (09123124)
3764697.1	0.00000 (09013124)	0.00000m(10013124)	0.00000m(10013124)	0.00000m(10013124)	0.00000 (09123124)
3764600.0	0.00000m(08123124)	0.00000m(10013124)	0.00000m(10013124)	0.00000m(10013124)	0.00000 (09123124)
3764502.9	0.00000m(08123124)	0.00000m(10013124)	0.00000m(10013124)	0.00000m(10013124)	0.00000m(10013124)
3764405.7	0.00000m(08123124)	0.00000m(10013124)	0.00000m(10013124)	0.00000m(08123124)	0.00000m(10013124)
3764308.6	0.00000m(08123124)	0.00000m(08123124)	0.00000m(10013124)	0.00000m(10013124)	0.00000m(10013124)
3764211.4	0.00000m(08123124)	0.00000m(08123124)	0.00000m(10013124)	0.00000m(10013124)	0.00000m(10013124)
3764114.3	0.00000 (08093024)	0.00000m(08123124)	0.00000m(10013124)	0.00000m(10013124)	0.00000m(10013124)
3764017.2	0.00000 (08093024)	0.00000m(08123124)	0.00000 (09013124)	0.00000m(10013124)	0.00000m(10013124)
3763920.0	0.00000 (08093024)	0.00000m(08123124)	0.00000 (09013124)	0.00000m(10013124)	0.00000m(10013124)

*** AERMOD - VERSION 15181 *** *** C:\Lakes\AERMOD View\6351 Puente Hills Landfill Park\6351 Puente Hil *** 04/20/16
 *** AERMET - VERSION 14134 *** *** Lead *** 15:31:02
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**MODELOPTs: RegDEFAULT CONC ELEV URBAN

*** THE 1ST HIGHEST MONTH AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: ALL ***
 INCLUDING SOURCE(S): FLARE1 , FLARE2 , FLARE3 , FLARE4 , FLARE5 ,
 FLARE6 , FLARE7 , FLARE8 , FLARE9 , FLARE10 , FLARE11 , FLARE12 , FLARE13 ,
 FLARE14 , FLARE15 , FLARE16 , FLARE17 , FLARE18 , FLARE19 , FLARE20 , FLARE21 ,
 FLARE22 , FLARE23 , FLARE24 ,

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

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

Y-COORD (METERS)	406308.16	406467.23	406626.30	406785.37	406944.44
3765862.8	0.00000m(11073124)	0.00000m(11073124)	0.00000b(12093024)	0.00000b(12093024)	0.00000b(12093024)
3765765.7	0.00000m(11073124)	0.00000b(12093024)	0.00000b(12093024)	0.00000b(12093024)	0.00000b(12093024)
3765668.5	0.00000b(12093024)	0.00000b(12093024)	0.00000b(12093024)	0.00000b(12093024)	0.00000b(12093024)
3765571.4	0.00000b(12093024)	0.00000b(12093024)	0.00000b(12093024)	0.00000b(12093024)	0.00000b(12093024)
3765474.3	0.00000b(12093024)	0.00000b(12093024)	0.00000b(12093024)	0.00000b(12093024)	0.00000b(12093024)
3765377.1	0.00000b(12093024)	0.00000b(12093024)	0.00000b(12093024)	0.00000b(12093024)	0.00000b(12093024)
3765280.0	0.00000b(12093024)	0.00000b(12093024)	0.00000b(12093024)	0.00000b(12093024)	0.00000b(12093024)
3765182.8	0.00000b(12093024)	0.00000b(12093024)	0.00000b(12093024)	0.00000b(12093024)	0.00000b(12093024)
3765085.7	0.00000b(12093024)	0.00000b(12093024)	0.00000b(12093024)	0.00000b(12093024)	0.00000 (09123124)
3764988.6	0.00000 (09123124)	0.00000 (08093024)	0.00000 (09123124)	0.00000 (09123124)	0.00000 (09123124)
3764891.4	0.00000c(09103124)	0.00000c(09103124)	0.00000c(09103124)	0.00000 (09123124)	0.00000 (09123124)
3764794.3	0.00000 (09123124)	0.00000 (09123124)	0.00000c(09103124)	0.00000c(09103124)	0.00000 (09123124)
3764697.1	0.00000 (09123124)	0.00000 (09123124)	0.00000 (09123124)	0.00000c(09103124)	0.00000c(09103124)
3764600.0	0.00000 (09123124)	0.00000 (09123124)	0.00000 (09123124)	0.00000c(09103124)	0.00000c(09103124)

3764502.9		0.00000 (09123124)	0.00000 (09123124)	0.00000 (09123124)	0.00000 (09123124)	0.00000c(09103124)
3764405.7		0.00000m(10013124)	0.00000 (09123124)	0.00000 (09123124)	0.00000 (09123124)	0.00000c(09103124)
3764308.6		0.00000m(10013124)	0.00000m(10013124)	0.00000 (09123124)	0.00000 (09123124)	0.00000c(09103124)
3764211.4		0.00000m(10013124)	0.00000m(10013124)	0.00000 (09123124)	0.00000 (09123124)	0.00000 (09123124)
3764114.3		0.00000m(10013124)	0.00000m(10013124)	0.00000m(10013124)	0.00000 (09123124)	0.00000 (09123124)
3764017.2		0.00000m(10013124)	0.00000m(10013124)	0.00000m(10013124)	0.00000m(10013124)	0.00000 (09123124)
3763920.0		0.00000m(10013124)	0.00000m(10013124)	0.00000m(10013124)	0.00000m(10013124)	0.00000m(10013124)

*** AERMOD - VERSION 15181 ***	*** C:\Lakes\AERMOD View\6351 Puente Hills Landfill Park\6351 Puente Hil ***	04/20/16
*** AERMET - VERSION 14134 ***	*** Lead ***	15:31:02
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**MODELOPTs: RegDFAULT CONC ELEV URBAN

*** THE 1ST HIGHEST MONTH AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: ALL ***									
INCLUDING SOURCE(S): FLARE1 , FLARE2 , FLARE3 , FLARE4 , FLARE5 ,									
FLARE6 ,	FLARE7 ,	FLARE8 ,	FLARE9 ,	FLARE10 ,	FLARE11 ,	FLARE12 ,	FLARE13 ,		
FLARE14 ,	FLARE15 ,	FLARE16 ,	FLARE17 ,	FLARE18 ,	FLARE19 ,	FLARE20 ,	FLARE21 ,		
FLARE22 ,	FLARE23 ,	FLARE24 ,							

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

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

Y-COORD (METERS)	407103.51	407262.58	X-COORD (METERS) 407421.65	407580.72	407739.79
3765862.8		0.00000b(12093024)	0.00000b(12093024)	0.00000b(12093024)	0.00000b(12093024)
3765765.7		0.00000b(12093024)	0.00000b(12093024)	0.00000b(12093024)	0.00000b(12093024)
3765668.5		0.00000b(12093024)	0.00000b(12093024)	0.00000b(12093024)	0.00000b(12093024)
3765571.4		0.00000b(12093024)	0.00000b(12093024)	0.00000b(12093024)	0.00000b(12093024)
3765474.3		0.00000b(12093024)	0.00000b(12093024)	0.00000b(12093024)	0.00000b(12093024)
3765377.1		0.00000b(12093024)	0.00000b(12093024)	0.00000b(12093024)	0.00000b(12093024)
3765280.0		0.00000b(12093024)	0.00000b(12093024)	0.00000b(12093024)	0.00000b(12093024)
3765182.8		0.00000b(12093024)	0.00000 (09123124)	0.00000 (09123124)	0.00000 (09123124)
3765085.7		0.00000 (09123124)	0.00000 (09123124)	0.00000 (09123124)	0.00000 (09123124)
3764988.6		0.00000 (09123124)	0.00000 (09123124)	0.00000 (09123124)	0.00000 (09123124)
3764891.4		0.00000 (08093024)	0.00000 (09123124)	0.00000 (09123124)	0.00000 (09123124)
3764794.3		0.00000 (08093024)	0.00000 (08093024)	0.00000 (09123124)	0.00000 (09123124)
3764697.1		0.00000 (09123124)	0.00000 (08093024)	0.00000 (09123124)	0.00000 (09123124)
3764600.0		0.00000c(09103124)	0.00000 (08093024)	0.00000 (09123124)	0.00000 (09123124)
3764502.9		0.00000c(09103124)	0.00000 (08093024)	0.00000 (09123124)	0.00000 (09123124)
3764405.7		0.00000c(09103124)	0.00000c(09103124)	0.00000c(09103124)	0.00000 (09123124)
3764308.6		0.00000c(09103124)	0.00000c(09103124)	0.00000c(09103124)	0.00000 (08093024)
3764211.4		0.00000c(09103124)	0.00000c(09103124)	0.00000c(09103124)	0.00000c(09103124)
3764114.3		0.00000 (09123124)	0.00000c(09103124)	0.00000c(09103124)	0.00000c(09103124)
3764017.2		0.00000 (09123124)	0.00000 (09123124)	0.00000c(09103124)	0.00000c(09103124)
3763920.0		0.00000 (09123124)	0.00000 (09123124)	0.00000c(09103124)	0.00000c(09103124)

*** AERMOD - VERSION 15181 ***	*** C:\Lakes\AERMOD View\6351 Puente Hills Landfill Park\6351 Puente Hil ***	04/20/16
*** AERMET - VERSION 14134 ***	*** Lead ***	15:31:02

**MODELOPTs: RegDFAULT CONC ELEV URBAN

*** THE 1ST HIGHEST MONTH AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: ALL ***
 INCLUDING SOURCE(S): FLARE1 , FLARE2 , FLARE3 , FLARE4 , FLARE5 ,
 FLARE6 , FLARE7 , FLARE8 , FLARE9 , FLARE10 , FLARE11 , FLARE12 , FLARE13 ,
 FLARE14 , FLARE15 , FLARE16 , FLARE17 , FLARE18 , FLARE19 , FLARE20 , FLARE21 ,
 FLARE22 , FLARE23 , FLARE24 ,

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

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

Y-COORD | X-COORD (METERS)
 (METERS) | 407898.86

3765862.8 | 0.00000b(12093024)
 3765765.7 | 0.00000b(12093024)
 3765668.5 | 0.00000b(12093024)
 3765571.4 | 0.00000b(12093024)
 3765474.3 | 0.00000b(12093024)
 3765377.1 | 0.00000b(12093024)
 3765280.0 | 0.00000b(12093024)
 3765182.8 | 0.00000b(12093024)
 3765085.7 | 0.00000 (09123124)
 3764988.6 | 0.00000 (09123124)
 3764891.4 | 0.00000 (09123124)
 3764794.3 | 0.00000 (09123124)
 3764697.1 | 0.00000 (09123124)
 3764600.0 | 0.00000 (09123124)
 3764502.9 | 0.00000 (09123124)
 3764405.7 | 0.00000 (09123124)
 3764308.6 | 0.00000 (08093024)
 3764211.4 | 0.00000c(09103124)
 3764114.3 | 0.00000c(09103124)
 3764017.2 | 0.00000c(09103124)
 3763920.0 | 0.00000c(09103124)

*** AERMOD - VERSION 15181 *** *** C:\Lakes\AERMOD View\6351 Puente Hills Landfill Park\6351 Puente Hil *** 04/20/16
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**MODELOPTs: RegDFAULT CONC ELEV URBAN

*** THE 1ST HIGHEST MONTH AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: ALL ***
 INCLUDING SOURCE(S): FLARE1 , FLARE2 , FLARE3 , FLARE4 , FLARE5 ,
 FLARE6 , FLARE7 , FLARE8 , FLARE9 , FLARE10 , FLARE11 , FLARE12 , FLARE13 ,
 FLARE14 , FLARE15 , FLARE16 , FLARE17 , FLARE18 , FLARE19 , FLARE20 , FLARE21 ,
 FLARE22 , FLARE23 , FLARE24 ,

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

** CONC OF LEAD IN MICROGRAMS/M**3				**			
X-COORD (M)	Y-COORD (M)	CONC	(YYMMDDHH)	X-COORD (M)	Y-COORD (M)	CONC	(YYMMDDHH)
405475.87	3765283.33	0.00000m	(11083124)	405487.28	3765227.63	0.00000m	(12073124)
405496.83	3765177.10	0.00000	(08083124)	405361.06	3765124.16	0.00000m	(12013124)
405556.64	3765179.21	0.00000m	(10013124)	405516.99	3765024.87	0.00000m	(10013124)
405795.26	3765005.20	0.00000	(09123124)	406083.86	3765241.01	0.00000b	(12093024)
406158.41	3764974.02	0.00000c	(09103124)	405659.63	3764787.39	0.00000m	(10013124)
405927.52	3765602.51	0.00000m	(11073124)				

*** AERMOD - VERSION 15181 *** *** C:\Lakes\AERMOD View\6351 Puente Hills Landfill Park\6351 Puente Hil *** 04/20/16
 *** AERMET - VERSION 14134 *** *** Lead *** 15:31:02
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**MODELOPTs: RegDFAULT CONC ELEV URBAN

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

** CONC OF LEAD IN MICROGRAMS/M**3				**			
GROUP ID	AVERAGE CONC	RECEPTOR	(XR, YR, ZELEV, ZHILL, ZFLAG)	OF TYPE	NETWORK	GRID-ID	
ALL	1ST HIGHEST VALUE IS	0.00000 AT (	405512.81, 3765377.13, 138.00, 308.00, 0.00)	GC	UCART1		
	2ND HIGHEST VALUE IS	0.00000 AT (	405475.87, 3765283.33, 178.49, 306.00, 0.00)	DC			
	3RD HIGHEST VALUE IS	0.00000 AT (	405512.81, 3765474.27, 122.70, 311.00, 0.00)	GC	UCART1		
	4TH HIGHEST VALUE IS	0.00000 AT (	405353.74, 3765377.13, 180.70, 305.00, 0.00)	GC	UCART1		
	5TH HIGHEST VALUE IS	0.00000 AT (	405512.81, 3765279.99, 174.60, 306.00, 0.00)	GC	UCART1		
	6TH HIGHEST VALUE IS	0.00000 AT (	405353.74, 3765474.27, 163.10, 306.00, 0.00)	GC	UCART1		
	7TH HIGHEST VALUE IS	0.00000 AT (	405512.81, 3765571.41, 117.00, 311.00, 0.00)	GC	UCART1		
	8TH HIGHEST VALUE IS	0.00000 AT (	405353.74, 3765182.85, 181.90, 306.00, 0.00)	GC	UCART1		
	9TH HIGHEST VALUE IS	0.00000 AT (	405353.74, 3765279.99, 181.00, 305.00, 0.00)	GC	UCART1		
	10TH HIGHEST VALUE IS	0.00000 AT (	405671.88, 3765474.27, 125.40, 311.00, 0.00)	GC	UCART1		

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

*** AERMOD - VERSION 15181 *** *** C:\Lakes\AERMOD View\6351 Puente Hills Landfill Park\6351 Puente Hil *** 04/20/16
 *** AERMET - VERSION 14134 *** *** Lead *** 15:31:02
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**MODELOPTs: RegDFAULT CONC ELEV URBAN

*** THE SUMMARY OF HIGHEST 1-HR RESULTS ***

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

GROUP ID	AVERAGE CONC	DATE (YYMMDDHH)	RECEPTOR (XR, YR, ZELEV, ZHILL, ZFLAG)	OF TYPE	NETWORK GRID-ID
ALL	HIGH	1ST HIGH VALUE IS	0.00000 ON 08010424: AT (405353.74, 3765377.13, 180.70, 305.00, 0.00)	GC	UCART1

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

*** AERMOD - VERSION 15181 *** C:\Lakes\AERMOD View\6351 Puente Hills Landfill Park\6351 Puente Hil *** 04/20/16
*** AERMET - VERSION 14134 *** Lead *** 15:31:02
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**MODELOPTs: RegDFAULT CONC ELEV URBAN

*** THE SUMMARY OF HIGHEST MONTH RESULTS ***

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

GROUP ID	AVERAGE CONC	DATE (YYMMDDHH)	RECEPTOR (XR, YR, ZELEV, ZHILL, ZFLAG)	OF TYPE	NETWORK GRID-ID
ALL	HIGH	1ST HIGH VALUE IS	0.00000m ON 11073124: AT (405512.81, 3765377.13, 138.00, 308.00, 0.00)	GC	UCART1

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

*** AERMOD - VERSION 15181 *** C:\Lakes\AERMOD View\6351 Puente Hills Landfill Park\6351 Puente Hil *** 04/20/16
*** AERMET - VERSION 14134 *** Lead *** 15:31:02
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**MODELOPTs: RegDFAULT CONC ELEV URBAN

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

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

A Total of 0 Fatal Error Message(s)
A Total of 0 Warning Message(s)
A Total of 1222 Informational Message(s)

A Total of 43848 Hours Were Processed

A Total of 13 Calm Hours Identified

A Total of 1209 Missing Hours Identified (2.76 Percent)

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

***** WARNING MESSAGES *****
*** NONE ***

*** AERMOD Finishes Successfully ***

```

** Lakes Environmental AERMOD MPI
**
*****
**
** AERMOD Input Produced by:
** AERMOD View Ver. 9.1.0
** Lakes Environmental Software Inc.
** Date: 4/20/2016
** File: C:\Lakes\AERMOD View\Puente Hills LFP Methyl Chloroform\Puente Hills LFP Methyl Chloroform.ADI
**
*****
**
**
*****
** AERMOD Control Pathway
*****
**
**
CO STARTING
  TITLEONE C:\Lakes\AERMOD View\6351 Puente Hills Landfill Park\6351 Puente Hil
  TITLETWO Methyl Chloroform
  MODELOPT DFAULT CONC
  AVERTIME 1 ANNUAL
  URBANOPT 9862049 Los_Angeles_County
  POLLUTID MTCHLORO
  RUNORNOT RUN
  ERRORFIL "Puente Hills LFP Methyl Chloroform.err"
CO FINISHED
**
*****
** AERMOD Source Pathway
*****
**
**
SO STARTING
** Source Location **
** Source ID - Type - X Coord. - Y Coord. **
  LOCATION FLARE1      POINT      405412.404  3765266.480    181.580
** DESCRSRC Flares (24 total)
  LOCATION FLARE2      POINT      405417.595  3765268.614    181.640
** DESCRSRC Flares (24 total)
  LOCATION FLARE3      POINT      405415.440  3765263.023    181.620
** DESCRSRC Flares (24 total)
  LOCATION FLARE4      POINT      405420.770  3765264.143    181.690
** DESCRSRC Flares (24 total)
  LOCATION FLARE5      POINT      405417.256  3765258.874    181.640
** DESCRSRC Flares (24 total)
  LOCATION FLARE6      POINT      405423.409  3765260.689    181.720
** DESCRSRC Flares (24 total)
  LOCATION FLARE7      POINT      405418.220  3765254.700    181.650
** DESCRSRC Flares (24 total)

```

LOCATION	FLARE8	POINT	405426.799	3765256.850	181.770
**	DESCRSRC	Flares (24 total)			
LOCATION	FLARE9	POINT	405420.223	3765250.883	181.680
**	DESCRSRC	Flares (24 total)			
LOCATION	FLARE10	POINT	405429.052	3765252.454	181.800
**	DESCRSRC	Flares (24 total)			
LOCATION	FLARE11	POINT	405423.375	3765246.684	181.720
**	DESCRSRC	Flares (24 total)			
LOCATION	FLARE12	POINT	405431.589	3765249.405	181.830
**	DESCRSRC	Flares (24 total)			
LOCATION	FLARE13	POINT	405427.483	3765241.984	181.780
**	DESCRSRC	Flares (24 total)			
LOCATION	FLARE14	POINT	405433.797	3765244.836	181.860
**	DESCRSRC	Flares (24 total)			
LOCATION	FLARE15	POINT	405430.394	3765236.806	181.820
**	DESCRSRC	Flares (24 total)			
LOCATION	FLARE16	POINT	405436.611	3765241.272	181.900
**	DESCRSRC	Flares (24 total)			
LOCATION	FLARE17	POINT	405433.570	3765232.416	181.860
**	DESCRSRC	Flares (24 total)			
LOCATION	FLARE18	POINT	405439.798	3765236.907	181.940
**	DESCRSRC	Flares (24 total)			
LOCATION	FLARE19	POINT	405436.746	3765227.834	181.900
**	DESCRSRC	Flares (24 total)			
LOCATION	FLARE20	POINT	405442.425	3765233.337	181.970
**	DESCRSRC	Flares (24 total)			
LOCATION	FLARE21	POINT	405440.173	3765223.711	181.940
**	DESCRSRC	Flares (24 total)			
LOCATION	FLARE22	POINT	405445.453	3765228.464	181.980
**	DESCRSRC	Flares (24 total)			
LOCATION	FLARE23	POINT	405442.883	3765219.270	181.980
**	DESCRSRC	Flares (24 total)			
LOCATION	FLARE24	POINT	405449.335	3765223.937	181.930
**	DESCRSRC	Flares (24 total)			
**	Source Parameters	**			
SRCPARAM	FLARE1	6.892E-08	10.226	1088.706	4.245 2.530
SRCPARAM	FLARE2	6.892E-08	10.226	1088.706	4.245 2.530
SRCPARAM	FLARE3	6.892E-08	10.226	1088.706	4.245 2.530
SRCPARAM	FLARE4	6.892E-08	10.226	1088.706	4.245 2.530
SRCPARAM	FLARE5	6.892E-08	10.226	1088.706	4.245 2.530
SRCPARAM	FLARE6	6.892E-08	10.226	1088.706	4.245 2.530
SRCPARAM	FLARE7	6.892E-08	10.226	1088.706	4.245 2.530
SRCPARAM	FLARE8	6.892E-08	10.226	1088.706	4.245 2.530
SRCPARAM	FLARE9	6.892E-08	10.226	1088.706	4.245 2.530
SRCPARAM	FLARE10	6.892E-08	10.226	1088.706	4.245 2.530
SRCPARAM	FLARE11	6.892E-08	10.226	1088.706	4.245 2.530
SRCPARAM	FLARE12	6.892E-08	10.226	1088.706	4.245 2.530
SRCPARAM	FLARE13	6.892E-08	10.226	1088.706	4.245 2.530
SRCPARAM	FLARE14	6.892E-08	10.226	1088.706	4.245 2.530
SRCPARAM	FLARE15	6.892E-08	10.226	1088.706	4.245 2.530
SRCPARAM	FLARE16	6.892E-08	10.226	1088.706	4.245 2.530

SRCPARAM	FLARE17	6.892E-08	10.226	1088.706	4.245	2.530
SRCPARAM	FLARE18	6.892E-08	10.226	1088.706	4.245	2.530
SRCPARAM	FLARE19	6.892E-08	10.226	1088.706	4.245	2.530
SRCPARAM	FLARE20	6.892E-08	10.226	1088.706	4.245	2.530
SRCPARAM	FLARE21	6.892E-08	10.226	1088.706	4.245	2.530
SRCPARAM	FLARE22	6.892E-08	10.226	1088.706	4.245	2.530
SRCPARAM	FLARE23	6.892E-08	10.226	1088.706	4.245	2.530
SRCPARAM	FLARE24	6.892E-08	10.226	1088.706	4.245	2.530
URBANSRC	ALL					
SRCGROUP	ALL					

SO FINISHED
**

** AERMOD Receptor Pathway

**
**
RE STARTING
INCLUDED "Puente Hills LFP Methyl Chloroform.rou"
RE FINISHED
**

** AERMOD Meteorology Pathway

**
**
ME STARTING
SURFFILE "C:\Users\Kate Wilson\Desktop\Met data\pico8.sfc"
PROFFILE "C:\Users\Kate Wilson\Desktop\Met data\pico8.PFL"
SURFDATA 0 2008
UAIRDATA 3190 2008
SITEDATA 99999 2008
PROFBASE 58.0 METERS
ME FINISHED
**

** AERMOD Output Pathway

**
**
OU STARTING
RECTABLE ALLAVE 1ST
RECTABLE 1 1ST
** Auto-Generated Plotfiles
PLOTFILE 1 ALL 1ST "PUENTE HILLS LFP METHYL CHLOROFORM.AD\01H1GALL.PLT" 31
PLOTFILE ANNUAL ALL "PUENTE HILLS LFP METHYL CHLOROFORM.AD\AN00GALL.PLT" 32
SUMMFILE "Puente Hills LFP Methyl Chloroform.sum"
OU FINISHED

*** SETUP Finishes Successfully ***

*** AERMOD - VERSION 15181 *** *** C:\Lakes\AERMOD View\6351 Puente Hills Landfill Park\6351 Puente Hil *** 04/20/16
*** AERMET - VERSION 14134 *** *** Methyl Chloroform *** 15:48:18
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**MODELOPTs: RegDEFAULT CONC ELEV URBAN

*** MODEL SETUP OPTIONS SUMMARY ***

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

-- DEPOSITION LOGIC --

**NO GAS DEPOSITION Data Provided.

**NO PARTICLE DEPOSITION Data Provided.

**Model Uses NO DRY DEPLETION. DRYDPLT = F

**Model Uses NO WET DEPLETION. WETDPLT = F

**Model Uses URBAN Dispersion Algorithm for the SBL for 24 Source(s),
for Total of 1 Urban Area(s):
Urban Population = 9862049.0 ; Urban Roughness Length = 1.000 m

**Model Uses Regulatory DEFAULT Options:

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

**Other Options Specified:

TEMP_Sub - Meteorological data includes TEMP substitutions

**Model Assumes No FLAGPOLE Receptor Heights.

**The User Specified a Pollutant Type of: MTCHLORO

**Model Calculates 1 Short Term Average(s) of: 1-HR
and Calculates ANNUAL Averages

**This Run Includes: 24 Source(s); 1 Source Group(s); and 452 Receptor(s)

with: 24 POINT(s), including
0 POINTCAP(s) and 0 POINTHOR(s)
and: 0 VOLUME source(s)
and: 0 AREA type source(s)
and: 0 LINE source(s)
and: 0 OPENPIT source(s)

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

**The AERMET Input Meteorological Data Version Date: 14134

**Output Options Selected:

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

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

**Misc. Inputs: Base Elev. for Pot. Temp. Profile (m MSL) = 58.00 ; 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: Puente Hills LFP Methyl Chloroform.err

**File for Summary of Results: Puente Hills LFP Methyl Chloroform.sum

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**MODELOPTs: RegDEFAULT CONC ELEV URBAN

*** POINT SOURCE DATA ***

SOURCE ID	NUMBER PART. CATS.	EMISSION RATE (GRAMS/SEC)	X (METERS)	Y (METERS)	BASE ELEV. (METERS)	STACK HEIGHT (METERS)	STACK TEMP. (DEG.K)	STACK EXIT VEL. (M/SEC)	STACK DIAMETER (METERS)	BLDG EXISTS	URBAN SOURCE	CAP/ HOR	EMIS RATE SCALAR VARY BY
FLARE1	0	0.68920E-07	405412.4	3765266.5	181.6	10.23	1088.71	4.25	2.53	NO	YES	NO	
FLARE2	0	0.68920E-07	405417.6	3765268.6	181.6	10.23	1088.71	4.25	2.53	NO	YES	NO	
FLARE3	0	0.68920E-07	405415.4	3765263.0	181.6	10.23	1088.71	4.25	2.53	NO	YES	NO	
FLARE4	0	0.68920E-07	405420.8	3765264.1	181.7	10.23	1088.71	4.25	2.53	NO	YES	NO	
FLARE5	0	0.68920E-07	405417.3	3765258.9	181.6	10.23	1088.71	4.25	2.53	NO	YES	NO	
FLARE6	0	0.68920E-07	405423.4	3765260.7	181.7	10.23	1088.71	4.25	2.53	NO	YES	NO	
FLARE7	0	0.68920E-07	405418.2	3765254.7	181.7	10.23	1088.71	4.25	2.53	NO	YES	NO	
FLARE8	0	0.68920E-07	405426.8	3765256.8	181.8	10.23	1088.71	4.25	2.53	NO	YES	NO	
FLARE9	0	0.68920E-07	405420.2	3765250.9	181.7	10.23	1088.71	4.25	2.53	NO	YES	NO	
FLARE10	0	0.68920E-07	405429.1	3765252.5	181.8	10.23	1088.71	4.25	2.53	NO	YES	NO	
FLARE11	0	0.68920E-07	405423.4	3765246.7	181.7	10.23	1088.71	4.25	2.53	NO	YES	NO	
FLARE12	0	0.68920E-07	405431.6	3765249.4	181.8	10.23	1088.71	4.25	2.53	NO	YES	NO	
FLARE13	0	0.68920E-07	405427.5	3765242.0	181.8	10.23	1088.71	4.25	2.53	NO	YES	NO	
FLARE14	0	0.68920E-07	405433.8	3765244.8	181.9	10.23	1088.71	4.25	2.53	NO	YES	NO	
FLARE15	0	0.68920E-07	405430.4	3765236.8	181.8	10.23	1088.71	4.25	2.53	NO	YES	NO	

FLARE16	0	0.68920E-07	405436.6	3765241.3	181.9	10.23	1088.71	4.25	2.53	NO	YES	NO
FLARE17	0	0.68920E-07	405433.6	3765232.4	181.9	10.23	1088.71	4.25	2.53	NO	YES	NO
FLARE18	0	0.68920E-07	405439.8	3765236.9	181.9	10.23	1088.71	4.25	2.53	NO	YES	NO
FLARE19	0	0.68920E-07	405436.7	3765227.8	181.9	10.23	1088.71	4.25	2.53	NO	YES	NO
FLARE20	0	0.68920E-07	405442.4	3765233.3	182.0	10.23	1088.71	4.25	2.53	NO	YES	NO
FLARE21	0	0.68920E-07	405440.2	3765223.7	181.9	10.23	1088.71	4.25	2.53	NO	YES	NO
FLARE22	0	0.68920E-07	405445.5	3765228.5	182.0	10.23	1088.71	4.25	2.53	NO	YES	NO
FLARE23	0	0.68920E-07	405442.9	3765219.3	182.0	10.23	1088.71	4.25	2.53	NO	YES	NO
FLARE24	0	0.68920E-07	405449.3	3765223.9	181.9	10.23	1088.71	4.25	2.53	NO	YES	NO

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**MODELOPTs: RegDFAULT CONC ELEV URBAN

*** SOURCE IDs DEFINING SOURCE GROUPS ***

SRCGROUP ID	SOURCE IDs															
-----	-----															
ALL	FLARE1	,	FLARE2	,	FLARE3	,	FLARE4	,	FLARE5	,	FLARE6	,	FLARE7	,	FLARE8	,
	FLARE9	,	FLARE10	,	FLARE11	,	FLARE12	,	FLARE13	,	FLARE14	,	FLARE15	,	FLARE16	,
	FLARE17	,	FLARE18	,	FLARE19	,	FLARE20	,	FLARE21	,	FLARE22	,	FLARE23	,	FLARE24	,

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**MODELOPTs: RegDFAULT CONC ELEV URBAN

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

URBAN ID	URBAN POP	SOURCE IDs															
-----	-----	-----															
FLARE8	9862049.	FLARE1	,	FLARE2	,	FLARE3	,	FLARE4	,	FLARE5	,	FLARE6	,	FLARE7	,		
		FLARE9	,	FLARE10	,	FLARE11	,	FLARE12	,	FLARE13	,	FLARE14	,	FLARE15	,	FLARE16	,
		FLARE17	,	FLARE18	,	FLARE19	,	FLARE20	,	FLARE21	,	FLARE22	,	FLARE23	,	FLARE24	,

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**MODELOPTs: RegDFAULT CONC ELEV URBAN

*** GRIDDED RECEPTOR NETWORK SUMMARY ***

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

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

404717.5, 404876.5, 405035.6, 405194.7, 405353.7, 405512.8, 405671.9, 405831.0, 405990.0, 406149.1,
406308.2, 406467.2, 406626.3, 406785.4, 406944.4, 407103.5, 407262.6, 407421.7, 407580.7, 407739.8,
407898.9,

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

3763920.0, 3764017.2, 3764114.3, 3764211.4, 3764308.6, 3764405.7, 3764502.9, 3764600.0, 3764697.1, 3764794.3,
3764891.4, 3764988.6, 3765085.7, 3765182.8, 3765280.0, 3765377.1, 3765474.3, 3765571.4, 3765668.5, 3765765.7,
3765862.8,

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**MODELOPTs: RegDEFAULT CONC ELEV URBAN

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

* ELEVATION HEIGHTS IN METERS *

Y-COORD (METERS)	X-COORD (METERS)								
	404717.46	404876.53	405035.60	405194.67	405353.74	405512.81	405671.88	405830.95	405990.02
3765862.83	85.20	86.70	88.10	89.80	90.80	91.00	95.30	97.70	97.60
3765765.69	88.00	89.30	91.00	94.80	98.90	99.40	104.00	109.00	109.90
3765668.55	92.90	93.50	102.50	106.30	109.10	108.80	113.00	121.00	120.80
3765571.41	101.00	106.10	116.80	124.20	124.70	117.00	117.30	124.50	121.10
3765474.27	109.40	115.90	132.00	161.80	163.10	122.70	125.40	130.20	121.80
3765377.13	115.60	122.00	145.70	178.70	180.70	138.00	152.10	139.20	121.20
3765279.99	119.10	127.70	157.90	180.20	181.00	174.60	174.50	156.40	131.80
3765182.85	121.50	136.60	167.70	180.50	181.90	182.10	182.00	174.90	168.00
3765085.71	125.30	146.90	177.00	181.90	185.70	191.60	182.00	182.00	184.20
3764988.57	124.50	139.80	172.30	181.90	194.40	221.20	192.20	190.60	201.00
3764891.43	121.60	127.80	162.80	181.70	210.40	242.30	223.60	216.80	231.60
3764794.29	121.80	132.20	165.00	192.00	229.20	245.50	246.70	242.80	245.30
3764697.15	124.00	142.10	174.70	207.10	240.70	250.90	260.70	268.50	279.10
3764600.01	125.70	140.80	179.10	204.50	233.90	258.20	281.20	295.40	302.00
3764502.87	122.10	125.00	177.00	187.00	218.30	262.80	299.20	303.40	302.80
3764405.73	121.00	144.60	179.30	181.90	211.60	263.90	304.00	303.80	303.90
3764308.59	146.30	164.20	181.70	182.00	220.20	264.90	304.00	303.50	297.60
3764211.45	174.40	180.90	182.00	182.00	229.50	265.30	293.20	290.50	276.00
3764114.31	171.50	170.00	180.40	182.00	228.70	262.60	281.20	272.60	252.30

3764017.17	121.00	151.40	179.00	181.90	232.40	255.60	268.20	257.90	243.50
3763920.03	123.00	148.90	183.50	197.80	241.00	247.10	253.90	250.20	243.70

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**MODELOPTs: RegDEFAULT CONC ELEV URBAN

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

* ELEVATION HEIGHTS IN METERS *

Y-COORD (METERS)	406149.09	406308.16	406467.23	406626.30	406785.37	406944.44	407103.51	407262.58	407421.65
3765862.83	91.80	88.90	87.90	93.00	98.60	102.20	99.00	97.50	94.70
3765765.69	101.30	95.70	95.00	99.00	108.40	112.80	108.00	105.20	105.70
3765668.55	111.90	109.30	110.60	113.00	126.00	147.00	130.70	131.70	135.30
3765571.41	118.80	121.20	120.30	117.90	133.60	177.80	156.80	158.40	161.60
3765474.27	126.50	144.40	151.70	127.90	164.20	183.80	183.70	183.30	185.80
3765377.13	138.10	167.60	180.80	156.00	177.30	192.30	195.70	197.70	200.80
3765279.99	161.50	182.70	185.20	172.90	188.80	199.00	201.20	209.50	212.90
3765182.85	191.40	193.30	190.10	192.50	202.60	219.30	231.20	250.40	236.10
3765085.71	229.10	207.40	194.10	206.00	216.30	231.40	250.90	256.80	244.90
3764988.57	243.20	225.30	214.60	225.80	226.50	226.20	227.40	232.10	232.10
3764891.43	255.60	246.70	243.80	247.20	236.80	225.50	210.80	214.80	226.80
3764794.29	277.90	279.40	280.10	270.10	251.20	238.70	215.80	203.70	239.10
3764697.15	297.40	300.80	302.60	288.20	261.50	248.70	223.20	195.80	225.90
3764600.01	303.50	304.00	305.10	297.60	265.00	247.90	222.20	190.60	198.40
3764502.87	303.90	303.50	303.50	298.20	262.00	240.50	208.40	185.40	184.50
3764405.73	303.80	302.50	301.00	295.80	257.30	233.20	207.70	179.10	177.00
3764308.59	293.60	300.30	299.40	296.50	262.00	233.10	223.50	184.50	173.70
3764211.45	277.00	295.40	303.20	302.20	278.10	241.70	237.60	209.30	190.90
3764114.31	258.70	290.30	306.90	307.60	289.30	250.60	252.50	235.30	211.20
3764017.17	244.30	289.20	303.10	304.30	294.80	262.20	253.10	244.20	212.60
3763920.03	251.70	287.60	300.70	299.50	297.00	274.70	257.00	234.70	215.20

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**MODELOPTs: RegDEFAULT CONC ELEV URBAN

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

* ELEVATION HEIGHTS IN METERS *

Y-COORD (METERS)	407580.72	407739.79	407898.86

3765862.83	87.60	83.40	78.20
3765765.69	102.50	97.50	91.70
3765668.55	116.90	112.80	103.10
3765571.41	129.10	121.80	114.90
3765474.27	156.60	146.00	138.50
3765377.13	182.60	174.00	173.40
3765279.99	203.70	197.40	195.90
3765182.85	227.90	226.10	206.00
3765085.71	234.50	231.90	205.50
3764988.57	220.40	210.80	196.60
3764891.43	226.00	212.30	186.50
3764794.29	249.90	238.50	206.80
3764697.15	259.40	252.50	223.70
3764600.01	245.40	248.40	223.70
3764502.87	221.90	229.20	208.80
3764405.73	188.10	194.70	185.80
3764308.59	164.80	160.90	153.60
3764211.45	177.30	166.10	141.70
3764114.31	196.00	186.80	150.60
3764017.17	188.40	181.90	150.80
3763920.03	176.00	164.80	150.40

*** AERMOD - VERSION 15181 ***
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 *** Methyl Chloroform ***

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**MODELOPTs: RegDFAULT CONC ELEV URBAN

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

* HILL HEIGHT SCALES IN METERS *

Y-COORD (METERS)	404717.46	404876.53	405035.60	405194.67	405353.74	405512.81	405671.88	405830.95	405990.02
3765862.83	306.00	306.00	306.00	307.00	308.00	311.00	311.00	311.00	311.00
3765765.69	306.00	306.00	306.00	308.00	308.00	311.00	311.00	311.00	311.00
3765668.55	306.00	306.00	306.00	307.00	308.00	311.00	311.00	311.00	311.00
3765571.41	306.00	306.00	306.00	306.00	306.00	311.00	311.00	311.00	311.00
3765474.27	306.00	306.00	306.00	305.00	306.00	311.00	311.00	311.00	311.00
3765377.13	306.00	306.00	306.00	304.00	305.00	308.00	308.00	311.00	311.00
3765279.99	306.00	306.00	305.00	304.00	305.00	306.00	306.00	311.00	311.00
3765182.85	306.00	306.00	305.00	305.00	306.00	306.00	306.00	308.00	311.00
3765085.71	306.00	305.00	304.00	305.00	306.00	306.00	307.00	308.00	311.00
3764988.57	306.00	306.00	305.00	305.00	305.00	304.00	306.00	308.00	308.00
3764891.43	306.00	307.00	306.00	305.00	304.00	304.00	306.00	306.00	306.00
3764794.29	306.00	307.00	305.00	305.00	304.00	304.00	304.00	306.00	306.00
3764697.15	307.00	306.00	305.00	304.00	304.00	304.00	304.00	304.00	304.00
3764600.01	307.00	307.00	305.00	304.00	304.00	304.00	304.00	304.00	302.00
3764502.87	308.00	354.00	305.00	305.00	304.00	304.00	304.00	303.40	302.80
3764405.73	349.00	307.00	304.00	305.00	304.00	304.00	304.00	303.80	303.90

3764308.59		304.00	304.00	304.00	305.00	304.00	304.00	304.00	303.50	297.60
3764211.45		304.00	304.00	304.00	307.00	304.00	304.00	304.00	304.00	304.00
3764114.31		304.00	304.00	304.00	307.00	304.00	304.00	304.00	304.00	308.00
3764017.17		354.00	354.00	304.00	354.00	304.00	304.00	304.00	304.00	308.00
3763920.03		354.00	354.00	304.00	304.00	304.00	304.00	304.00	304.00	308.00

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**MODELOPTs: RegDFAULT CONC ELEV URBAN

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

* HILL HEIGHT SCALES IN METERS *

Y-COORD (METERS)		406149.09	406308.16	406467.23	406626.30	406785.37	406944.44	407103.51	407262.58	407421.65
3765862.83		311.00	311.00	311.00	311.00	311.00	311.00	311.00	311.00	311.00
3765765.69		311.00	311.00	311.00	311.00	311.00	311.00	311.00	311.00	311.00
3765668.55		311.00	311.00	311.00	311.00	311.00	311.00	311.00	311.00	311.00
3765571.41		311.00	311.00	311.00	311.00	311.00	306.00	311.00	306.00	306.00
3765474.27		311.00	311.00	311.00	311.00	311.00	306.00	306.00	306.00	267.00
3765377.13		311.00	311.00	306.00	311.00	311.00	306.00	306.00	306.00	267.00
3765279.99		311.00	311.00	311.00	311.00	311.00	306.00	306.00	302.00	263.00
3765182.85		308.00	311.00	311.00	311.00	306.00	306.00	263.00	263.00	263.00
3765085.71		306.00	306.00	311.00	311.00	306.00	306.00	259.00	263.00	263.00
3764988.57		306.00	306.00	311.00	306.00	306.00	306.00	306.00	263.00	267.00
3764891.43		306.00	306.00	306.00	306.00	306.00	311.00	311.00	311.00	267.00
3764794.29		305.00	306.00	306.00	306.00	306.00	306.00	311.00	311.00	267.00
3764697.15		303.00	300.80	302.60	306.00	306.00	306.00	311.00	311.00	267.00
3764600.01		303.50	304.00	305.10	306.00	306.00	311.00	311.00	311.00	311.00
3764502.87		303.90	303.50	303.50	306.00	311.00	311.00	311.00	311.00	311.00
3764405.73		303.80	302.50	301.00	304.00	311.00	311.00	311.00	354.00	354.00
3764308.59		304.00	300.30	299.40	296.50	311.00	311.00	311.00	354.00	354.00
3764211.45		304.00	295.40	303.20	302.20	311.00	311.00	311.00	345.00	354.00
3764114.31		308.00	307.00	306.90	307.60	311.00	311.00	311.00	311.00	345.00
3764017.17		311.00	307.00	303.10	304.30	311.00	311.00	311.00	311.00	354.00
3763920.03		309.00	304.00	300.70	299.50	297.00	311.00	311.00	345.00	354.00

*** AERMOD - VERSION 15181 *** *** C:\Lakes\AERMOD View\6351 Puente Hills Landfill Park\6351 Puente Hil *** 04/20/16
 *** AERMET - VERSION 14134 *** *** Methyl Chloroform *** 15:48:18
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**MODELOPTs: RegDFAULT CONC ELEV URBAN

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

* HILL HEIGHT SCALES IN METERS *

Y-COORD		X-COORD (METERS)

(METERS)	407580.72	407739.79	407898.86
3765862.83	311.00	311.00	311.00
3765765.69	311.00	311.00	311.00
3765668.55	311.00	311.00	311.00
3765571.41	311.00	311.00	311.00
3765474.27	306.00	306.00	306.00
3765377.13	267.00	267.00	267.00
3765279.99	267.00	267.00	267.00
3765182.85	263.00	240.00	267.00
3765085.71	238.00	240.00	267.00
3764988.57	267.00	267.00	267.00
3764891.43	267.00	267.00	267.00
3764794.29	267.00	267.00	267.00
3764697.15	267.00	265.00	267.00
3764600.01	267.00	265.00	267.00
3764502.87	267.00	267.00	267.00
3764405.73	345.00	311.00	343.00
3764308.59	354.00	354.00	354.00
3764211.45	354.00	354.00	354.00
3764114.31	352.00	352.00	354.00
3764017.17	354.00	354.00	354.00
3763920.03	354.00	354.00	354.00

*** AERMOD - VERSION 15181 *** *** C:\Lakes\AERMOD View\6351 Puente Hills Landfill Park\6351 Puente Hil *** 04/20/16
 *** AERMET - VERSION 14134 *** *** Methyl Chloroform *** 15:48:18
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**MODELOPTs: RegDFAULT CONC ELEV URBAN

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

(405475.9, 3765283.3,	178.5,	306.0,	0.0);	(405487.3, 3765227.6,	181.1,	306.0,	0.0);
(405496.8, 3765177.1,	182.5,	306.0,	0.0);	(405361.1, 3765124.2,	183.8,	306.0,	0.0);
(405556.6, 3765179.2,	182.0,	306.0,	0.0);	(405517.0, 3765024.9,	207.2,	305.0,	0.0);
(405795.3, 3765005.2,	188.0,	308.0,	0.0);	(406083.9, 3765241.0,	155.0,	311.0,	0.0);
(406158.4, 3764974.0,	244.3,	306.0,	0.0);	(405659.6, 3764787.4,	247.3,	304.0,	0.0);
(405927.5, 3765602.5,	122.2,	311.0,	0.0);				

*** AERMOD - VERSION 15181 *** *** C:\Lakes\AERMOD View\6351 Puente Hills Landfill Park\6351 Puente Hil *** 04/20/16
 *** AERMET - VERSION 14134 *** *** Methyl Chloroform *** 15:48:18
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**MODELOPTs: RegDFAULT CONC ELEV URBAN

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

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

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

1.54, 3.09, 5.14, 8.23, 10.80,

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*** AERMOD - VERSION 15181 ***      *** C:\Lakes\AERMOD View\6351 Puente Hills Landfill Park\6351 Puente Hil ***      04/20/16
*** AERMET - VERSION 14134 ***      *** Methyl Chloroform ***      15:48:18
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**MODELOPTs:   RegDFAULT CONC      ELEV      URBAN

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

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Surface file: C:\Users\Kate Wilson\Desktop\Met data\pico8.sfc
Profile file: C:\Users\Kate Wilson\Desktop\Met data\pico8.PFL
Surface format: FREE
Profile format: FREE
Surface station no.: 0
Upper air station no.: 3190
Name: UNKNOWN
Year: 2008
Name: UNKNOWN
Year: 2008

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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
08	01	01	1	01	-999.0	-9.0000	-9.000	-9.000	-999.	-999.	-999999.0	0.34	1.00	1.00	999.00	999.	-9.0	285.4	5.5			
08	01	01	1	02	-999.0	-9.0000	-9.000	-9.000	-999.	-999.	-999999.0	0.34	1.00	1.00	999.00	999.	-9.0	284.2	5.5			
08	01	01	1	03	-999.0	-9.0000	-9.000	-9.000	-999.	-999.	-999999.0	0.34	1.00	1.00	999.00	999.	-9.0	283.8	5.5			
08	01	01	1	04	-999.0	-9.0000	-9.000	-9.000	-999.	-999.	-999999.0	0.34	1.00	1.00	999.00	999.	-9.0	284.2	5.5			
08	01	01	1	05	-999.0	-9.0000	-9.000	-9.000	-999.	-999.	-999999.0	0.34	1.00	1.00	999.00	999.	-9.0	284.9	5.5			
08	01	01	1	06	-999.0	-9.0000	-9.000	-9.000	-999.	-999.	-999999.0	0.34	1.00	1.00	999.00	999.	-9.0	285.4	5.5			
08	01	01	1	07	-999.0	-9.0000	-9.000	-9.000	-999.	-999.	-999999.0	0.34	1.00	1.00	999.00	999.	-9.0	285.9	5.5			
08	01	01	1	08	-999.0	-9.0000	-9.000	-9.000	-999.	-999.	-999999.0	0.34	1.00	0.54	999.00	999.	-9.0	286.4	5.5			
08	01	01	1	09	28.6	-9.0000	-9.000	-9.000	61.	-999.	-999999.0	0.34	1.00	0.32	999.00	999.	-9.0	287.0	5.5			
08	01	01	1	10	83.5	-9.0000	-9.000	-9.000	164.	-999.	-999999.0	0.34	1.00	0.24	999.00	999.	-9.0	289.2	5.5			
08	01	01	1	11	131.2	-9.0000	-9.000	-9.000	427.	-999.	-999999.0	0.34	1.00	0.21	999.00	999.	-9.0	292.5	5.5			
08	01	01	1	12	130.6	-9.0000	-9.000	-9.000	620.	-999.	-999999.0	0.34	1.00	0.20	999.00	999.	-9.0	294.2	5.5			
08	01	01	1	13	112.1	-9.0000	-9.000	-9.000	723.	-999.	-999999.0	0.34	1.00	0.20	999.00	999.	-9.0	294.9	5.5			
08	01	01	1	14	86.7	-9.0000	-9.000	-9.000	762.	-999.	-999999.0	0.34	1.00	0.21	999.00	999.	-9.0	294.9	5.5			
08	01	01	1	15	37.3	-9.0000	-9.000	-9.000	778.	-999.	-999999.0	0.34	1.00	0.25	999.00	999.	-9.0	294.2	5.5			
08	01	01	1	16	12.7	-9.0000	-9.000	-9.000	783.	-999.	-999999.0	0.34	1.00	0.33	999.00	999.	-9.0	293.8	5.5			
08	01	01	1	17	-999.0	-9.0000	-9.000	-9.000	-999.	-999.	-999999.0	0.34	1.00	0.60	999.00	999.	-9.0	292.5	5.5			

3764308.59		0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000
3764211.45		0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000
3764114.31		0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000
3764017.17		0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000
3763920.03		0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000

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*** AERMOD - VERSION 15181 ***   *** C:\Lakes\AERMOD View\6351 Puente Hills Landfill Park\6351 Puente Hil ***   04/20/16
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**MODELOPTs: RegDFAULT CONC ELEV URBAN

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*** THE ANNUAL AVERAGE CONCENTRATION VALUES AVERAGED OVER 5 YEARS FOR SOURCE GROUP: ALL ***
      INCLUDING SOURCE(S):  FLARE1 , FLARE2 , FLARE3 , FLARE4 , FLARE5 ,
FLARE6 , FLARE7 , FLARE8 , FLARE9 , FLARE10 , FLARE11 , FLARE12 , FLARE13 ,
FLARE14 , FLARE15 , FLARE16 , FLARE17 , FLARE18 , FLARE19 , FLARE20 , FLARE21 ,
FLARE22 , FLARE23 , FLARE24 ,

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

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

**

Y-COORD (METERS)				X-COORD (METERS)						
	406149.09	406308.16	406467.23	406626.30	406785.37	406944.44	407103.51	407262.58	407421.65	
3765862.83		0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000
3765765.69		0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000
3765668.55		0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000
3765571.41		0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000
3765474.27		0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000
3765377.13		0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000
3765279.99		0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000
3765182.85		0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000
3765085.71		0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000
3764988.57		0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000
3764891.43		0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000
3764794.29		0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000
3764697.15		0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000
3764600.01		0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000
3764502.87		0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000
3764405.73		0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000
3764308.59		0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000
3764211.45		0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000
3764114.31		0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000
3764017.17		0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000
3763920.03		0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000

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*** AERMOD - VERSION 15181 ***   *** C:\Lakes\AERMOD View\6351 Puente Hills Landfill Park\6351 Puente Hil ***   04/20/16
*** AERMET - VERSION 14134 ***   *** Methyl Chloroform ***   15:48:18
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**MODELOPTs: RegDFAULT CONC ELEV URBAN

*** THE ANNUAL AVERAGE CONCENTRATION VALUES AVERAGED OVER 5 YEARS FOR SOURCE GROUP: ALL ***
 INCLUDING SOURCE(S): FLARE1 , FLARE2 , FLARE3 , FLARE4 , FLARE5 ,
 FLARE6 , FLARE7 , FLARE8 , FLARE9 , FLARE10 , FLARE11 , FLARE12 , FLARE13 ,
 FLARE14 , FLARE15 , FLARE16 , FLARE17 , FLARE18 , FLARE19 , FLARE20 , FLARE21 ,
 FLARE22 , FLARE23 , FLARE24 ,

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

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

Y-COORD (METERS)	407580.72	407739.79	407898.86	X-COORD (METERS)
3765862.83	0.00000	0.00000	0.00000	
3765765.69	0.00000	0.00000	0.00000	
3765668.55	0.00000	0.00000	0.00000	
3765571.41	0.00000	0.00000	0.00000	
3765474.27	0.00000	0.00000	0.00000	
3765377.13	0.00000	0.00000	0.00000	
3765279.99	0.00000	0.00000	0.00000	
3765182.85	0.00000	0.00000	0.00000	
3765085.71	0.00000	0.00000	0.00000	
3764988.57	0.00000	0.00000	0.00000	
3764891.43	0.00000	0.00000	0.00000	
3764794.29	0.00000	0.00000	0.00000	
3764697.15	0.00000	0.00000	0.00000	
3764600.01	0.00000	0.00000	0.00000	
3764502.87	0.00000	0.00000	0.00000	
3764405.73	0.00000	0.00000	0.00000	
3764308.59	0.00000	0.00000	0.00000	
3764211.45	0.00000	0.00000	0.00000	
3764114.31	0.00000	0.00000	0.00000	
3764017.17	0.00000	0.00000	0.00000	
3763920.03	0.00000	0.00000	0.00000	

*** AERMOD - VERSION 15181 *** *** C:\Lakes\AERMOD View\6351 Puente Hills Landfill Park\6351 Puente Hil *** 04/20/16
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 **MODELOPTs: RegDEFAULT CONC ELEV URBAN PAGE 18

*** THE ANNUAL AVERAGE CONCENTRATION VALUES AVERAGED OVER 5 YEARS FOR SOURCE GROUP: ALL ***
 INCLUDING SOURCE(S): FLARE1 , FLARE2 , FLARE3 , FLARE4 , FLARE5 ,
 FLARE6 , FLARE7 , FLARE8 , FLARE9 , FLARE10 , FLARE11 , FLARE12 , FLARE13 ,
 FLARE14 , FLARE15 , FLARE16 , FLARE17 , FLARE18 , FLARE19 , FLARE20 , FLARE21 ,
 FLARE22 , FLARE23 , FLARE24 ,

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

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

**

X-COORD (M)	Y-COORD (M)	CONC	X-COORD (M)	Y-COORD (M)	CONC
405475.87	3765283.33	0.00000	405487.28	3765227.63	0.00000
405496.83	3765177.10	0.00000	405361.06	3765124.16	0.00000
405556.64	3765179.21	0.00000	405516.99	3765024.87	0.00000
405795.26	3765005.20	0.00000	406083.86	3765241.01	0.00000
406158.41	3764974.02	0.00000	405659.63	3764787.39	0.00000
405927.52	3765602.51	0.00000			

*** AERMOD - VERSION 15181 *** *** C:\Lakes\AERMOD View\6351 Puente Hills Landfill Park\6351 Puente Hil *** 04/20/16
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**MODELOPTs: RegDEFAULT CONC ELEV URBAN

*** THE 1ST HIGHEST 1-HR AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: ALL ***
 INCLUDING SOURCE(S): FLARE1 , FLARE2 , FLARE3 , FLARE4 , FLARE5 ,
 FLARE6 , FLARE7 , FLARE8 , FLARE9 , FLARE10 , FLARE11 , FLARE12 , FLARE13 ,
 FLARE14 , FLARE15 , FLARE16 , FLARE17 , FLARE18 , FLARE19 , FLARE20 , FLARE21 ,
 FLARE22 , FLARE23 , FLARE24 ,

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

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

**

Y-COORD (METERS)	404717.46	404876.53	X-COORD (METERS)	405035.60	405194.67	405353.74
3765862.8	0.00000 (08010421)	0.00000 (08010422)	0.00001 (08012705)	0.00001 (10122017)	0.00001 (08010501)	
3765765.7	0.00000 (08010421)	0.00001 (08010421)	0.00001 (08010422)	0.00001 (10122017)	0.00001 (08010501)	
3765668.5	0.00000 (08010421)	0.00001 (08010421)	0.00001 (08010422)	0.00001 (08010423)	0.00001 (08010501)	
3765571.4	0.00000 (08012421)	0.00001 (08010421)	0.00001 (08010421)	0.00001 (08010422)	0.00002 (08010501)	
3765474.3	0.00000 (12041104)	0.00000 (08012421)	0.00001 (08010421)	0.00001 (08010422)	0.00002 (08010424)	
3765377.1	0.00000 (11032018)	0.00001 (11032018)	0.00001 (12042514)	0.00001 (10100512)	0.00005 (08010424)	
3765280.0	0.00001 (11032018)	0.00001 (11032018)	0.00001 (11032018)	0.00002 (10102712)	0.00002 (08101709)	
3765182.8	0.00001 (11032018)	0.00001 (11032018)	0.00001 (08022207)	0.00002 (11120103)	0.00004 (11120103)	
3765085.7	0.00001 (08022207)	0.00001 (08022207)	0.00001 (11120103)	0.00002 (08012701)	0.00002 (08010701)	
3764988.6	0.00001 (08022207)	0.00001 (08022207)	0.00001 (08012701)	0.00002 (08012620)	0.00001 (08010701)	
3764891.4	0.00000 (08022207)	0.00001 (08012620)	0.00001 (08012620)	0.00002 (08010701)	0.00001 (09060302)	
3764794.3	0.00000 (08012624)	0.00000 (08012624)	0.00001 (08112604)	0.00001 (08010701)	0.00001 (09060302)	
3764697.1	0.00000 (08012624)	0.00001 (08012619)	0.00001 (08022206)	0.00001 (08010623)	0.00001 (10120518)	
3764600.0	0.00000 (08012624)	0.00000 (08112604)	0.00001 (08022206)	0.00001 (09060302)	0.00001 (09060302)	
3764502.9	0.00000 (08022323)	0.00000 (12030705)	0.00001 (08022206)	0.00001 (09060302)	0.00001 (09060302)	
3764405.7	0.00000 (12030705)	0.00000 (08022206)	0.00001 (08010623)	0.00001 (09060302)	0.00001 (09060302)	
3764308.6	0.00000 (12030705)	0.00000 (08010623)	0.00000 (08010623)	0.00001 (09060302)	0.00001 (09060302)	
3764211.4	0.00000 (12030705)	0.00000 (08010623)	0.00000 (09060302)	0.00001 (09060302)	0.00000 (09060302)	
3764114.3	0.00000 (08010623)	0.00000 (08010623)	0.00000 (09060302)	0.00000 (09060302)	0.00000 (09060302)	

3764017.2		0.00000 (08010623)	0.00000 (08010623)	0.00000 (09060302)	0.00000 (09060302)	0.00000 (09060302)
3763920.0		0.00000 (08010623)	0.00000 (08010623)	0.00000 (09060302)	0.00000 (09060302)	0.00000 (09060302)

*** AERMOD - VERSION 15181 ***	*** C:\Lakes\AERMOD View\6351 Puente Hills Landfill Park\6351 Puente Hil ***	04/20/16
*** AERMET - VERSION 14134 ***	*** Methyl Chloroform ***	15:48:18
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**MODELOPTs: RegDEFAULT CONC ELEV URBAN

*** THE 1ST HIGHEST 1-HR AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: ALL ***
INCLUDING SOURCE(S): FLARE1 , FLARE2 , FLARE3 , FLARE4 , FLARE5 ,
FLARE6 , FLARE7 , FLARE8 , FLARE9 , FLARE10 , FLARE11 , FLARE12 , FLARE13 ,
FLARE14 , FLARE15 , FLARE16 , FLARE17 , FLARE18 , FLARE19 , FLARE20 , FLARE21 ,
FLARE22 , FLARE23 , FLARE24 ,

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

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

Y-COORD (METERS)	405512.81	405671.88	X-COORD (METERS) 405830.95	405990.02	406149.09	
3765862.8		0.00001 (10033118)	0.00001 (10042118)	0.00001 (11102318)	0.00000 (12041318)	0.00000 (12090919)
3765765.7		0.00001 (10033118)	0.00001 (10042118)	0.00001 (08020318)	0.00001 (12090919)	0.00000 (12090919)
3765668.5		0.00001 (10033118)	0.00001 (10042118)	0.00001 (12041318)	0.00001 (12090919)	0.00000 (12031819)
3765571.4		0.00001 (10042118)	0.00001 (10042118)	0.00001 (12090919)	0.00001 (12031818)	0.00000 (12031818)
3765474.3		0.00002 (10042118)	0.00001 (12121813)	0.00001 (12031818)	0.00001 (12031818)	0.00000 (12031818)
3765377.1		0.00002 (08052114)	0.00001 (12031815)	0.00001 (12031818)	0.00000 (12031818)	0.00000 (10123010)
3765280.0		0.00002 (12012113)	0.00001 (12111014)	0.00001 (12111014)	0.00000 (10122923)	0.00000 (10122923)
3765182.8		0.00002 (09022810)	0.00001 (10122923)	0.00001 (10122923)	0.00001 (10122923)	0.00001 (10122923)
3765085.7		0.00002 (09011809)	0.00001 (10112810)	0.00001 (10122923)	0.00001 (10122923)	0.00001 (10122923)
3764988.6		0.00001 (09011808)	0.00001 (11111008)	0.00001 (09102718)	0.00001 (10122923)	0.00001 (11030721)
3764891.4		0.00001 (10010903)	0.00001 (12121819)	0.00001 (09102718)	0.00001 (09102718)	0.00001 (10120102)
3764794.3		0.00001 (10010903)	0.00001 (10110404)	0.00001 (12121818)	0.00001 (09102718)	0.00001 (08122103)
3764697.1		0.00000 (10010903)	0.00001 (09011807)	0.00001 (08122803)	0.00001 (09012705)	0.00001 (10011108)
3764600.0		0.00001 (08011224)	0.00001 (09040502)	0.00001 (11022802)	0.00001 (08112603)	0.00001 (09030706)
3764502.9		0.00001 (08011224)	0.00001 (12101721)	0.00001 (10111323)	0.00001 (09011022)	0.00001 (10110523)
3764405.7		0.00000 (08011224)	0.00001 (08121022)	0.00001 (10121119)	0.00001 (12101501)	0.00001 (08112603)
3764308.6		0.00000 (08011224)	0.00001 (12010208)	0.00001 (08100624)	0.00001 (08011420)	0.00000 (10123101)
3764211.4		0.00000 (08011224)	0.00001 (08032304)	0.00001 (09040502)	0.00000 (10030504)	0.00000 (08122803)
3764114.3		0.00000 (08011224)	0.00000 (09011423)	0.00000 (10111204)	0.00000 (10110404)	0.00000 (08121003)
3764017.2		0.00000 (11012704)	0.00000 (09011423)	0.00000 (10111204)	0.00000 (09011808)	0.00000 (09011808)
3763920.0		0.00000 (11012704)	0.00000 (09011423)	0.00000 (10123106)	0.00000 (09011808)	0.00000 (09011808)

*** AERMOD - VERSION 15181 ***	*** C:\Lakes\AERMOD View\6351 Puente Hills Landfill Park\6351 Puente Hil ***	04/20/16
*** AERMET - VERSION 14134 ***	*** Methyl Chloroform ***	15:48:18
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**MODELOPTs: RegDEFAULT CONC ELEV URBAN

*** THE 1ST HIGHEST 1-HR AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: ALL ***
INCLUDING SOURCE(S): FLARE1 , FLARE2 , FLARE3 , FLARE4 , FLARE5 ,

FLARE6 , FLARE7 , FLARE8 , FLARE9 , FLARE10 , FLARE11 , FLARE12 , FLARE13 ,
FLARE14 , FLARE15 , FLARE16 , FLARE17 , FLARE18 , FLARE19 , FLARE20 , FLARE21 ,
FLARE22 , FLARE23 , FLARE24 ,

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

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

**

Y-COORD (METERS)	406308.16	406467.23	X-COORD (METERS) 406626.30	406785.37	406944.44
3765862.8	0.00000 (12031819)	0.00000 (12031819)	0.00000 (12031819)	0.00000 (10102806)	0.00000 (10102806)
3765765.7	0.00000 (12031819)	0.00000 (12031819)	0.00000 (10102806)	0.00000 (10102806)	0.00000 (10102806)
3765668.5	0.00000 (12031818)	0.00000 (12031818)	0.00000 (10102806)	0.00000 (10102806)	0.00000 (10102806)
3765571.4	0.00000 (12031818)	0.00000 (10102806)	0.00000 (10102806)	0.00000 (10102806)	0.00000 (10102806)
3765474.3	0.00000 (10102806)	0.00000 (10102806)	0.00000 (10102806)	0.00000 (10110817)	0.00000 (10110817)
3765377.1	0.00000 (10110817)	0.00000 (10110817)	0.00000 (10110817)	0.00000 (10110817)	0.00000 (10110817)
3765280.0	0.00000 (10122923)	0.00000 (10110817)	0.00000 (10110817)	0.00000 (10110817)	0.00000 (10110817)
3765182.8	0.00001 (10122923)	0.00000 (10122923)	0.00000 (10122923)	0.00000 (10122923)	0.00000 (10110817)
3765085.7	0.00001 (10122923)	0.00001 (10122923)	0.00000 (10122923)	0.00000 (10122923)	0.00000 (11030722)
3764988.6	0.00001 (10122923)	0.00001 (10122923)	0.00000 (10122923)	0.00000 (10122923)	0.00000 (10122923)
3764891.4	0.00000 (09102717)	0.00000 (11030721)	0.00000 (08052119)	0.00000 (08052119)	0.00000 (10122923)
3764794.3	0.00001 (10113005)	0.00000 (08122002)	0.00000 (10012307)	0.00000 (11030721)	0.00000 (08052119)
3764697.1	0.00001 (08042801)	0.00000 (10102719)	0.00000 (12030702)	0.00000 (08122002)	0.00000 (11030721)
3764600.0	0.00001 (10011108)	0.00000 (08042801)	0.00000 (10102719)	0.00000 (10113005)	0.00000 (09102717)
3764502.9	0.00000 (09070623)	0.00000 (09092905)	0.00000 (08042801)	0.00000 (11022803)	0.00000 (09102721)
3764405.7	0.00000 (08112807)	0.00000 (09070623)	0.00000 (09092905)	0.00000 (08122103)	0.00000 (09102721)
3764308.6	0.00000 (10110523)	0.00000 (09030706)	0.00000 (09111106)	0.00000 (08012607)	0.00000 (09102721)
3764211.4	0.00000 (08112603)	0.00000 (09122001)	0.00000 (08031106)	0.00000 (11021806)	0.00000 (09102718)
3764114.3	0.00000 (08122001)	0.00000 (08112107)	0.00000 (08112807)	0.00000 (08122101)	0.00000 (09102718)
3764017.2	0.00000 (08122803)	0.00000 (08111406)	0.00000 (10110523)	0.00000 (08013106)	0.00000 (08122101)
3763920.0	0.00000 (09121606)	0.00000 (08122708)	0.00000 (09030206)	0.00000 (08112807)	0.00000 (08013106)

*** AERMOD - VERSION 15181 *** C:\Lakes\AERMOD View\6351 Puente Hills Landfill Park\6351 Puente Hil ***
*** AERMET - VERSION 14134 *** Methyl Chloroform ***

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**MODELOPTs: RegDEFAULT CONC ELEV URBAN

*** THE 1ST HIGHEST 1-HR AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: ALL ***
INCLUDING SOURCE(S): FLARE1 , FLARE2 , FLARE3 , FLARE4 , FLARE5 ,
FLARE6 , FLARE7 , FLARE8 , FLARE9 , FLARE10 , FLARE11 , FLARE12 , FLARE13 ,
FLARE14 , FLARE15 , FLARE16 , FLARE17 , FLARE18 , FLARE19 , FLARE20 , FLARE21 ,
FLARE22 , FLARE23 , FLARE24 ,

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

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

**

Y-COORD (METERS)	407103.51	407262.58	X-COORD (METERS) 407421.65	407580.72	407739.79

3765862.8 | 0.00000 (10102806) 0.00000 (10102806) 0.00000 (10102806) 0.00000 (10102806) 0.00000 (10102806)
3765765.7 | 0.00000 (10102806) 0.00000 (10102806) 0.00000 (10102806) 0.00000 (10102806) 0.00000 (12081020)
3765668.5 | 0.00000 (10102806) 0.00000 (10102806) 0.00000 (10102806) 0.00000 (10110817) 0.00000 (10110817)
3765571.4 | 0.00000 (10110817) 0.00000 (10110817) 0.00000 (10110817) 0.00000 (10110817) 0.00000 (10110817)
3765474.3 | 0.00000 (10110817) 0.00000 (10110817) 0.00000 (10110817) 0.00000 (10110817) 0.00000 (10110817)
3765377.1 | 0.00000 (10110817) 0.00000 (10110817) 0.00000 (10110817) 0.00000 (10110817) 0.00000 (10110817)
3765280.0 | 0.00000 (10110817) 0.00000 (10110817) 0.00000 (10110817) 0.00000 (10110817) 0.00000 (10110817)
3765182.8 | 0.00000 (10110817) 0.00000 (10110817) 0.00000 (10110817) 0.00000 (10110817) 0.00000 (10110817)
3765085.7 | 0.00000 (11030722) 0.00000 (09113004) 0.00000 (11030722) 0.00000 (11030722) 0.00000 (11030722)
3764988.6 | 0.00000 (10122923) 0.00000 (11030722) 0.00000 (11030722) 0.00000 (11030722) 0.00000 (11030722)
3764891.4 | 0.00000 (10122923) 0.00000 (10122923) 0.00000 (10122923) 0.00000 (12121821) 0.00000 (11030722)
3764794.3 | 0.00000 (10122923) 0.00000 (10122923) 0.00000 (08052119) 0.00000 (12121821) 0.00000 (12121821)
3764697.1 | 0.00000 (08052119) 0.00000 (08052119) 0.00000 (08052119) 0.00000 (08011406) 0.00000 (08052119)
3764600.0 | 0.00000 (08052119) 0.00000 (08052119) 0.00000 (08052119) 0.00000 (11030721) 0.00000 (08052119)
3764502.9 | 0.00000 (08052119) 0.00000 (08052119) 0.00000 (08052119) 0.00000 (08052119) 0.00000 (11030721)
3764405.7 | 0.00000 (09102721) 0.00000 (09102721) 0.00000 (08052119) 0.00000 (11030721) 0.00000 (08052119)
3764308.6 | 0.00000 (09102721) 0.00000 (09102721) 0.00000 (09102721) 0.00000 (09102721) 0.00000 (11030721)
3764211.4 | 0.00000 (09102721) 0.00000 (09102721) 0.00000 (09102721) 0.00000 (09102721) 0.00000 (09102721)
3764114.3 | 0.00000 (09102718) 0.00000 (09102721) 0.00000 (09102721) 0.00000 (09102721) 0.00000 (09102721)
3764017.2 | 0.00000 (09102718) 0.00000 (09102718) 0.00000 (09102721) 0.00000 (09102721) 0.00000 (09102721)
3763920.0 | 0.00000 (09102807) 0.00000 (09102718) 0.00000 (09102718) 0.00000 (09102721) 0.00000 (09102721)

*** AERMOD - VERSION 15181 *** *** C:\Lakes\AERMOD View\6351 Puente Hills Landfill Park\6351 Puente Hil *** 04/20/16
*** AERMET - VERSION 14134 *** *** Methyll Chloroform *** 15:48:18
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**MODELOPTs: RegDEFAULT CONC ELEV URBAN

*** THE 1ST HIGHEST 1-HR AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: ALL ***
INCLUDING SOURCE(S): FLARE1 , FLARE2 , FLARE3 , FLARE4 , FLARE5 ,
FLARE6 , FLARE7 , FLARE8 , FLARE9 , FLARE10 , FLARE11 , FLARE12 , FLARE13 ,
FLARE14 , FLARE15 , FLARE16 , FLARE17 , FLARE18 , FLARE19 , FLARE20 , FLARE21 ,
FLARE22 , FLARE23 , FLARE24 ,

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

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

**

Y-COORD | X-COORD (METERS)
(METERS) | 407898.86

3765862.8 | 0.00000 (12081020)
3765765.7 | 0.00000 (10110817)
3765668.5 | 0.00000 (10110817)
3765571.4 | 0.00000 (10110817)
3765474.3 | 0.00000 (10110817)
3765377.1 | 0.00000 (10110817)
3765280.0 | 0.00000 (10110817)
3765182.8 | 0.00000 (10110817)

3765085.7	0.00000	(11030722)
3764988.6	0.00000	(11030722)
3764891.4	0.00000	(11030722)
3764794.3	0.00000	(12121821)
3764697.1	0.00000	(08052119)
3764600.0	0.00000	(08052119)
3764502.9	0.00000	(08052119)
3764405.7	0.00000	(11030721)
3764308.6	0.00000	(11030721)
3764211.4	0.00000	(11030721)
3764114.3	0.00000	(09102721)
3764017.2	0.00000	(09102721)
3763920.0	0.00000	(09102721)

*** AERMOD - VERSION 15181 ***	*** C:\Lakes\AERMOD View\6351 Puente Hills Landfill Park\6351 Puente Hil ***	04/20/16
*** AERMET - VERSION 14134 ***	*** Methyl Chloroform ***	15:48:18
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**MODELOPTs: RegDEFAULT CONC ELEV URBAN

*** THE 1ST HIGHEST 1-HR AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: ALL ***

INCLUDING SOURCE(S): FLARE1 , FLARE2 , FLARE3 , FLARE4 , FLARE5 ,

FLARE6 , FLARE7 , FLARE8 , FLARE9 , FLARE10 , FLARE11 , FLARE12 , FLARE13 ,

FLARE14 , FLARE15 , FLARE16 , FLARE17 , FLARE18 , FLARE19 , FLARE20 , FLARE21 ,

FLARE22 , FLARE23 , FLARE24 ,

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

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

**

X-COORD (M)	Y-COORD (M)	CONC	(YYMMDDHH)	X-COORD (M)	Y-COORD (M)	CONC	(YYMMDDHH)
405475.87	3765283.33	0.00002	(10012115)	405487.28	3765227.63	0.00002	(12080612)
405496.83	3765177.10	0.00002	(10102809)	405361.06	3765124.16	0.00002	(08010701)
405556.64	3765179.21	0.00002	(12071216)	405516.99	3765024.87	0.00001	(08031008)
405795.26	3765005.20	0.00001	(09102718)	406083.86	3765241.01	0.00000	(10122923)
406158.41	3764974.02	0.00001	(11030721)	405659.63	3764787.39	0.00001	(10110404)
405927.52	3765602.51	0.00001	(12090919)				

*** AERMOD - VERSION 15181 ***	*** C:\Lakes\AERMOD View\6351 Puente Hills Landfill Park\6351 Puente Hil ***	04/20/16
*** AERMET - VERSION 14134 ***	*** Methyl Chloroform ***	15:48:18
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**MODELOPTs: RegDEFAULT CONC ELEV URBAN

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

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

**

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

ALL	1ST HIGHEST VALUE IS	0.00000	AT (	405512.81,	3765377.13,	138.00,	308.00,	0.00)	GC	UCART1
	2ND HIGHEST VALUE IS	0.00000	AT (	405475.87,	3765283.33,	178.49,	306.00,	0.00)	DC	
	3RD HIGHEST VALUE IS	0.00000	AT (	405512.81,	3765474.27,	122.70,	311.00,	0.00)	GC	UCART1
	4TH HIGHEST VALUE IS	0.00000	AT (	405353.74,	3765377.13,	180.70,	305.00,	0.00)	GC	UCART1
	5TH HIGHEST VALUE IS	0.00000	AT (	405512.81,	3765279.99,	174.60,	306.00,	0.00)	GC	UCART1
	6TH HIGHEST VALUE IS	0.00000	AT (	405353.74,	3765474.27,	163.10,	306.00,	0.00)	GC	UCART1
	7TH HIGHEST VALUE IS	0.00000	AT (	405512.81,	3765571.41,	117.00,	311.00,	0.00)	GC	UCART1
	8TH HIGHEST VALUE IS	0.00000	AT (	405353.74,	3765182.85,	181.90,	306.00,	0.00)	GC	UCART1
	9TH HIGHEST VALUE IS	0.00000	AT (	405353.74,	3765279.99,	181.00,	305.00,	0.00)	GC	UCART1
	10TH HIGHEST VALUE IS	0.00000	AT (	405671.88,	3765474.27,	125.40,	311.00,	0.00)	GC	UCART1

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

*** AERMOD - VERSION	15181 ***	*** C:\Lakes\AERMOD View\6351 Puente Hills Landfill Park\6351 Puente Hil	***	04/20/16
*** AERMET - VERSION	14134 ***	*** Methyl Chloroform	***	15:48:18
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**MODELOPTs: RegDFAULT CONC ELEV URBAN

*** THE SUMMARY OF HIGHEST 1-HR RESULTS ***

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

GROUP ID		AVERAGE CONC	DATE (YYMMDDHH)	RECEPTOR (XR, YR, ZELEV, ZHILL, ZFLAG)	OF TYPE	NETWORK GRID-ID
ALL	HIGH 1ST HIGH VALUE IS	0.00005	ON 08010424: AT (	405353.74, 3765377.13, 180.70, 305.00,	0.00)	GC UCART1

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

*** AERMOD - VERSION	15181 ***	*** C:\Lakes\AERMOD View\6351 Puente Hills Landfill Park\6351 Puente Hil	***	04/20/16
*** AERMET - VERSION	14134 ***	*** Methyl Chloroform	***	15:48:18
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**MODELOPTs: RegDFAULT CONC ELEV URBAN

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

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

A Total of	0 Fatal Error Message(s)
A Total of	0 Warning Message(s)

A Total of 1222 Informational Message(s)
A Total of 43848 Hours Were Processed
A Total of 13 Calm Hours Identified
A Total of 1209 Missing Hours Identified (2.76 Percent)

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

***** WARNING MESSAGES *****
*** NONE ***

*** AERMOD Finishes Successfully ***

```

** Lakes Environmental AERMOD MPI
**
*****
**
** AERMOD Input Produced by:
** AERMOD View Ver. 9.1.0
** Lakes Environmental Software Inc.
** Date: 4/20/2016
** File: C:\Lakes\AERMOD View\Puente Hills LFP Methylene Chloride\Puente Hills LFP Methylene Chloride.ADI
**
*****
**
**
*****
** AERMOD Control Pathway
*****
**
**
CO STARTING
  TITLEONE C:\Lakes\AERMOD View\6351 Puente Hills Landfill Park\6351 Puente Hil
  TITLETWO Methylene Chloride
  MODELOPT DFAULT CONC
  AVERTIME 1 ANNUAL
  URBANOPT 9862049 Los_Angeles_County
  POLLUTID MLENECHL
  RUNORNOT RUN
  ERRORFIL "Puente Hills LFP Methylene Chloride.err"
CO FINISHED
**
*****
** AERMOD Source Pathway
*****
**
**
SO STARTING
** Source Location **
** Source ID - Type - X Coord. - Y Coord. **
  LOCATION FLARE1      POINT      405412.404  3765266.480  181.580
** DESCRSRC Flares (24 total)
  LOCATION FLARE2      POINT      405417.595  3765268.614  181.640
** DESCRSRC Flares (24 total)
  LOCATION FLARE3      POINT      405415.440  3765263.023  181.620
** DESCRSRC Flares (24 total)
  LOCATION FLARE4      POINT      405420.770  3765264.143  181.690
** DESCRSRC Flares (24 total)
  LOCATION FLARE5      POINT      405417.256  3765258.874  181.640
** DESCRSRC Flares (24 total)
  LOCATION FLARE6      POINT      405423.409  3765260.689  181.720
** DESCRSRC Flares (24 total)
  LOCATION FLARE7      POINT      405418.220  3765254.700  181.650
** DESCRSRC Flares (24 total)

```


LOCATION	FLARE8	POINT	405426.799	3765256.850	181.770
**	DESCRSRC	Flares (24 total)			
LOCATION	FLARE9	POINT	405420.223	3765250.883	181.680
**	DESCRSRC	Flares (24 total)			
LOCATION	FLARE10	POINT	405429.052	3765252.454	181.800
**	DESCRSRC	Flares (24 total)			
LOCATION	FLARE11	POINT	405423.375	3765246.684	181.720
**	DESCRSRC	Flares (24 total)			
LOCATION	FLARE12	POINT	405431.589	3765249.405	181.830
**	DESCRSRC	Flares (24 total)			
LOCATION	FLARE13	POINT	405427.483	3765241.984	181.780
**	DESCRSRC	Flares (24 total)			
LOCATION	FLARE14	POINT	405433.797	3765244.836	181.860
**	DESCRSRC	Flares (24 total)			
LOCATION	FLARE15	POINT	405430.394	3765236.806	181.820
**	DESCRSRC	Flares (24 total)			
LOCATION	FLARE16	POINT	405436.611	3765241.272	181.900
**	DESCRSRC	Flares (24 total)			
LOCATION	FLARE17	POINT	405433.570	3765232.416	181.860
**	DESCRSRC	Flares (24 total)			
LOCATION	FLARE18	POINT	405439.798	3765236.907	181.940
**	DESCRSRC	Flares (24 total)			
LOCATION	FLARE19	POINT	405436.746	3765227.834	181.900
**	DESCRSRC	Flares (24 total)			
LOCATION	FLARE20	POINT	405442.425	3765233.337	181.970
**	DESCRSRC	Flares (24 total)			
LOCATION	FLARE21	POINT	405440.173	3765223.711	181.940
**	DESCRSRC	Flares (24 total)			
LOCATION	FLARE22	POINT	405445.453	3765228.464	181.980
**	DESCRSRC	Flares (24 total)			
LOCATION	FLARE23	POINT	405442.883	3765219.270	181.980
**	DESCRSRC	Flares (24 total)			
LOCATION	FLARE24	POINT	405449.335	3765223.937	181.930
**	DESCRSRC	Flares (24 total)			
**	Source Parameters	**			
SRCPARAM	FLARE1	0.000012052	10.226	1088.706	4.245 2.530
SRCPARAM	FLARE2	0.000012052	10.226	1088.706	4.245 2.530
SRCPARAM	FLARE3	0.000012052	10.226	1088.706	4.245 2.530
SRCPARAM	FLARE4	0.000012052	10.226	1088.706	4.245 2.530
SRCPARAM	FLARE5	0.000012052	10.226	1088.706	4.245 2.530
SRCPARAM	FLARE6	0.000012052	10.226	1088.706	4.245 2.530
SRCPARAM	FLARE7	0.000012052	10.226	1088.706	4.245 2.530
SRCPARAM	FLARE8	0.000012052	10.226	1088.706	4.245 2.530
SRCPARAM	FLARE9	0.000012052	10.226	1088.706	4.245 2.530
SRCPARAM	FLARE10	0.000012052	10.226	1088.706	4.245 2.530
SRCPARAM	FLARE11	0.000012052	10.226	1088.706	4.245 2.530
SRCPARAM	FLARE12	0.000012052	10.226	1088.706	4.245 2.530
SRCPARAM	FLARE13	0.000012052	10.226	1088.706	4.245 2.530
SRCPARAM	FLARE14	0.000012052	10.226	1088.706	4.245 2.530
SRCPARAM	FLARE15	0.000012052	10.226	1088.706	4.245 2.530
SRCPARAM	FLARE16	0.000012052	10.226	1088.706	4.245 2.530

SRCPARAM	FLARE17	0.000012052	10.226	1088.706	4.245	2.530
SRCPARAM	FLARE18	0.000012052	10.226	1088.706	4.245	2.530
SRCPARAM	FLARE19	0.000012052	10.226	1088.706	4.245	2.530
SRCPARAM	FLARE20	0.000012052	10.226	1088.706	4.245	2.530
SRCPARAM	FLARE21	0.000012052	10.226	1088.706	4.245	2.530
SRCPARAM	FLARE22	0.000012052	10.226	1088.706	4.245	2.530
SRCPARAM	FLARE23	0.000012052	10.226	1088.706	4.245	2.530
SRCPARAM	FLARE24	0.000012052	10.226	1088.706	4.245	2.530
URBANSRC	ALL					
SRCGROUP	ALL					

SO FINISHED
**

** AERMOD Receptor Pathway

**
**
RE STARTING
INCLUDED "Puente Hills LFP Methylene Chloride.rou"
RE FINISHED
**

** AERMOD Meteorology Pathway

**
**
ME STARTING
SURFFILE "C:\Users\Kate Wilson\Desktop\Met data\pico8.sfc"
PROFFILE "C:\Users\Kate Wilson\Desktop\Met data\pico8.PFL"
SURFDATA 0 2008
UAIRDATA 3190 2008
SITEDATA 99999 2008
PROFBASE 58.0 METERS
ME FINISHED
**

** AERMOD Output Pathway

**
**
OU STARTING
RECTABLE ALLAVE 1ST
RECTABLE 1 1ST
** Auto-Generated Plotfiles
PLOTFILE 1 ALL 1ST "PUENTE HILLS LFP METHYLENE CHLORIDE.AD\01H1GALL.PLT" 31
PLOTFILE ANNUAL ALL "PUENTE HILLS LFP METHYLENE CHLORIDE.AD\AN00GALL.PLT" 32
SUMMFILE "Puente Hills LFP Methylene Chloride.sum"
OU FINISHED

*** SETUP Finishes Successfully ***

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**MODELOPTs: RegDEFAULT CONC ELEV URBAN

*** MODEL SETUP OPTIONS SUMMARY ***

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

-- DEPOSITION LOGIC --

**NO GAS DEPOSITION Data Provided.

**NO PARTICLE DEPOSITION Data Provided.

**Model Uses NO DRY DEPLETION. DRYDPLT = F

**Model Uses NO WET DEPLETION. WETDPLT = F

**Model Uses URBAN Dispersion Algorithm for the SBL for 24 Source(s),
for Total of 1 Urban Area(s):
Urban Population = 9862049.0 ; Urban Roughness Length = 1.000 m

**Model Uses Regulatory DEFAULT Options:

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

**Other Options Specified:

TEMP_Sub - Meteorological data includes TEMP substitutions

**Model Assumes No FLAGPOLE Receptor Heights.

**The User Specified a Pollutant Type of: MLENECHL

**Model Calculates 1 Short Term Average(s) of: 1-HR
and Calculates ANNUAL Averages

**This Run Includes: 24 Source(s); 1 Source Group(s); and 452 Receptor(s)

with: 24 POINT(s), including
0 POINTCAP(s) and 0 POINTHOR(s)
and: 0 VOLUME source(s)
and: 0 AREA type source(s)
and: 0 LINE source(s)
and: 0 OPENPIT source(s)

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

**The AERMET Input Meteorological Data Version Date: 14134

**Output Options Selected:

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

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

**Misc. Inputs: Base Elev. for Pot. Temp. Profile (m MSL) = 58.00 ; 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: Puente Hills LFP Methylene Chloride.err

**File for Summary of Results: Puente Hills LFP Methylene Chloride.sum

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**MODELOPTs: RegDEFAULT CONC ELEV URBAN

*** POINT SOURCE DATA ***

SOURCE ID	NUMBER PART. CATS.	EMISSION RATE (GRAMS/SEC)	X (METERS)	Y (METERS)	BASE ELEV. (METERS)	STACK HEIGHT (METERS)	STACK TEMP. (DEG.K)	STACK EXIT VEL. (M/SEC)	STACK DIAMETER (METERS)	BLDG EXISTS	URBAN SOURCE	CAP/ HOR	EMIS RATE SCALAR VARY BY
FLARE1	0	0.12052E-04	405412.4	3765266.5	181.6	10.23	1088.71	4.25	2.53	NO	YES	NO	
FLARE2	0	0.12052E-04	405417.6	3765268.6	181.6	10.23	1088.71	4.25	2.53	NO	YES	NO	
FLARE3	0	0.12052E-04	405415.4	3765263.0	181.6	10.23	1088.71	4.25	2.53	NO	YES	NO	
FLARE4	0	0.12052E-04	405420.8	3765264.1	181.7	10.23	1088.71	4.25	2.53	NO	YES	NO	
FLARE5	0	0.12052E-04	405417.3	3765258.9	181.6	10.23	1088.71	4.25	2.53	NO	YES	NO	
FLARE6	0	0.12052E-04	405423.4	3765260.7	181.7	10.23	1088.71	4.25	2.53	NO	YES	NO	
FLARE7	0	0.12052E-04	405418.2	3765254.7	181.7	10.23	1088.71	4.25	2.53	NO	YES	NO	
FLARE8	0	0.12052E-04	405426.8	3765256.8	181.8	10.23	1088.71	4.25	2.53	NO	YES	NO	
FLARE9	0	0.12052E-04	405420.2	3765250.9	181.7	10.23	1088.71	4.25	2.53	NO	YES	NO	
FLARE10	0	0.12052E-04	405429.1	3765252.5	181.8	10.23	1088.71	4.25	2.53	NO	YES	NO	
FLARE11	0	0.12052E-04	405423.4	3765246.7	181.7	10.23	1088.71	4.25	2.53	NO	YES	NO	
FLARE12	0	0.12052E-04	405431.6	3765249.4	181.8	10.23	1088.71	4.25	2.53	NO	YES	NO	
FLARE13	0	0.12052E-04	405427.5	3765242.0	181.8	10.23	1088.71	4.25	2.53	NO	YES	NO	
FLARE14	0	0.12052E-04	405433.8	3765244.8	181.9	10.23	1088.71	4.25	2.53	NO	YES	NO	
FLARE15	0	0.12052E-04	405430.4	3765236.8	181.8	10.23	1088.71	4.25	2.53	NO	YES	NO	

FLARE16	0	0.12052E-04	405436.6	3765241.3	181.9	10.23	1088.71	4.25	2.53	NO	YES	NO
FLARE17	0	0.12052E-04	405433.6	3765232.4	181.9	10.23	1088.71	4.25	2.53	NO	YES	NO
FLARE18	0	0.12052E-04	405439.8	3765236.9	181.9	10.23	1088.71	4.25	2.53	NO	YES	NO
FLARE19	0	0.12052E-04	405436.7	3765227.8	181.9	10.23	1088.71	4.25	2.53	NO	YES	NO
FLARE20	0	0.12052E-04	405442.4	3765233.3	182.0	10.23	1088.71	4.25	2.53	NO	YES	NO
FLARE21	0	0.12052E-04	405440.2	3765223.7	181.9	10.23	1088.71	4.25	2.53	NO	YES	NO
FLARE22	0	0.12052E-04	405445.5	3765228.5	182.0	10.23	1088.71	4.25	2.53	NO	YES	NO
FLARE23	0	0.12052E-04	405442.9	3765219.3	182.0	10.23	1088.71	4.25	2.53	NO	YES	NO
FLARE24	0	0.12052E-04	405449.3	3765223.9	181.9	10.23	1088.71	4.25	2.53	NO	YES	NO

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**MODELOPTs: RegDFAULT CONC ELEV URBAN

*** SOURCE IDs DEFINING SOURCE GROUPS ***

SRCGROUP ID	SOURCE IDs															
-----	-----															
ALL	FLARE1	,	FLARE2	,	FLARE3	,	FLARE4	,	FLARE5	,	FLARE6	,	FLARE7	,	FLARE8	,
	FLARE9	,	FLARE10	,	FLARE11	,	FLARE12	,	FLARE13	,	FLARE14	,	FLARE15	,	FLARE16	,
	FLARE17	,	FLARE18	,	FLARE19	,	FLARE20	,	FLARE21	,	FLARE22	,	FLARE23	,	FLARE24	,

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**MODELOPTs: RegDFAULT CONC ELEV URBAN

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

URBAN ID	URBAN POP	SOURCE IDs															
-----	-----	-----															
FLARE8	9862049.	FLARE1	,	FLARE2	,	FLARE3	,	FLARE4	,	FLARE5	,	FLARE6	,	FLARE7	,		
		FLARE9	,	FLARE10	,	FLARE11	,	FLARE12	,	FLARE13	,	FLARE14	,	FLARE15	,	FLARE16	,
		FLARE17	,	FLARE18	,	FLARE19	,	FLARE20	,	FLARE21	,	FLARE22	,	FLARE23	,	FLARE24	,

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**MODELOPTs: RegDFAULT CONC ELEV URBAN

*** GRIDDED RECEPTOR NETWORK SUMMARY ***

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

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

404717.5, 404876.5, 405035.6, 405194.7, 405353.7, 405512.8, 405671.9, 405831.0, 405990.0, 406149.1,
406308.2, 406467.2, 406626.3, 406785.4, 406944.4, 407103.5, 407262.6, 407421.7, 407580.7, 407739.8,
407898.9,

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

3763920.0, 3764017.2, 3764114.3, 3764211.4, 3764308.6, 3764405.7, 3764502.9, 3764600.0, 3764697.1, 3764794.3,
3764891.4, 3764988.6, 3765085.7, 3765182.8, 3765280.0, 3765377.1, 3765474.3, 3765571.4, 3765668.5, 3765765.7,
3765862.8,

*** AERMOD - VERSION 15181 *** *** C:\Lakes\AERMOD View\6351 Puente Hills Landfill Park\6351 Puente Hil *** 04/20/16
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**MODELOPTs: RegDFault CONC ELEV URBAN

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

* ELEVATION HEIGHTS IN METERS *

Y-COORD (METERS)	X-COORD (METERS)								
	404717.46	404876.53	405035.60	405194.67	405353.74	405512.81	405671.88	405830.95	405990.02
3765862.83	85.20	86.70	88.10	89.80	90.80	91.00	95.30	97.70	97.60
3765765.69	88.00	89.30	91.00	94.80	98.90	99.40	104.00	109.00	109.90
3765668.55	92.90	93.50	102.50	106.30	109.10	108.80	113.00	121.00	120.80
3765571.41	101.00	106.10	116.80	124.20	124.70	117.00	117.30	124.50	121.10
3765474.27	109.40	115.90	132.00	161.80	163.10	122.70	125.40	130.20	121.80
3765377.13	115.60	122.00	145.70	178.70	180.70	138.00	152.10	139.20	121.20
3765279.99	119.10	127.70	157.90	180.20	181.00	174.60	174.50	156.40	131.80
3765182.85	121.50	136.60	167.70	180.50	181.90	182.10	182.00	174.90	168.00
3765085.71	125.30	146.90	177.00	181.90	185.70	191.60	182.00	182.00	184.20
3764988.57	124.50	139.80	172.30	181.90	194.40	221.20	192.20	190.60	201.00
3764891.43	121.60	127.80	162.80	181.70	210.40	242.30	223.60	216.80	231.60
3764794.29	121.80	132.20	165.00	192.00	229.20	245.50	246.70	242.80	245.30
3764697.15	124.00	142.10	174.70	207.10	240.70	250.90	260.70	268.50	279.10
3764600.01	125.70	140.80	179.10	204.50	233.90	258.20	281.20	295.40	302.00
3764502.87	122.10	125.00	177.00	187.00	218.30	262.80	299.20	303.40	302.80
3764405.73	121.00	144.60	179.30	181.90	211.60	263.90	304.00	303.80	303.90
3764308.59	146.30	164.20	181.70	182.00	220.20	264.90	304.00	303.50	297.60
3764211.45	174.40	180.90	182.00	182.00	229.50	265.30	293.20	290.50	276.00
3764114.31	171.50	170.00	180.40	182.00	228.70	262.60	281.20	272.60	252.30

3764017.17		121.00	151.40	179.00	181.90	232.40	255.60	268.20	257.90	243.50
3763920.03		123.00	148.90	183.50	197.80	241.00	247.10	253.90	250.20	243.70

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**MODELOPTs: RegDEFAULT CONC ELEV URBAN

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

* ELEVATION HEIGHTS IN METERS *

Y-COORD (METERS)					X-COORD (METERS)					
		406149.09	406308.16	406467.23	406626.30	406785.37	406944.44	407103.51	407262.58	407421.65

3765862.83		91.80	88.90	87.90	93.00	98.60	102.20	99.00	97.50	94.70
3765765.69		101.30	95.70	95.00	99.00	108.40	112.80	108.00	105.20	105.70
3765668.55		111.90	109.30	110.60	113.00	126.00	147.00	130.70	131.70	135.30
3765571.41		118.80	121.20	120.30	117.90	133.60	177.80	156.80	158.40	161.60
3765474.27		126.50	144.40	151.70	127.90	164.20	183.80	183.70	183.30	185.80
3765377.13		138.10	167.60	180.80	156.00	177.30	192.30	195.70	197.70	200.80
3765279.99		161.50	182.70	185.20	172.90	188.80	199.00	201.20	209.50	212.90
3765182.85		191.40	193.30	190.10	192.50	202.60	219.30	231.20	250.40	236.10
3765085.71		229.10	207.40	194.10	206.00	216.30	231.40	250.90	256.80	244.90
3764988.57		243.20	225.30	214.60	225.80	226.50	226.20	227.40	232.10	232.10
3764891.43		255.60	246.70	243.80	247.20	236.80	225.50	210.80	214.80	226.80
3764794.29		277.90	279.40	280.10	270.10	251.20	238.70	215.80	203.70	239.10
3764697.15		297.40	300.80	302.60	288.20	261.50	248.70	223.20	195.80	225.90
3764600.01		303.50	304.00	305.10	297.60	265.00	247.90	222.20	190.60	198.40
3764502.87		303.90	303.50	303.50	298.20	262.00	240.50	208.40	185.40	184.50
3764405.73		303.80	302.50	301.00	295.80	257.30	233.20	207.70	179.10	177.00
3764308.59		293.60	300.30	299.40	296.50	262.00	233.10	223.50	184.50	173.70
3764211.45		277.00	295.40	303.20	302.20	278.10	241.70	237.60	209.30	190.90
3764114.31		258.70	290.30	306.90	307.60	289.30	250.60	252.50	235.30	211.20
3764017.17		244.30	289.20	303.10	304.30	294.80	262.20	253.10	244.20	212.60
3763920.03		251.70	287.60	300.70	299.50	297.00	274.70	257.00	234.70	215.20

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**MODELOPTs: RegDEFAULT CONC ELEV URBAN

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

* ELEVATION HEIGHTS IN METERS *

Y-COORD (METERS)					X-COORD (METERS)
		407580.72	407739.79	407898.86	

3765862.83	87.60	83.40	78.20
3765765.69	102.50	97.50	91.70
3765668.55	116.90	112.80	103.10
3765571.41	129.10	121.80	114.90
3765474.27	156.60	146.00	138.50
3765377.13	182.60	174.00	173.40
3765279.99	203.70	197.40	195.90
3765182.85	227.90	226.10	206.00
3765085.71	234.50	231.90	205.50
3764988.57	220.40	210.80	196.60
3764891.43	226.00	212.30	186.50
3764794.29	249.90	238.50	206.80
3764697.15	259.40	252.50	223.70
3764600.01	245.40	248.40	223.70
3764502.87	221.90	229.20	208.80
3764405.73	188.10	194.70	185.80
3764308.59	164.80	160.90	153.60
3764211.45	177.30	166.10	141.70
3764114.31	196.00	186.80	150.60
3764017.17	188.40	181.90	150.80
3763920.03	176.00	164.80	150.40

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 *** AERMET - VERSION 14134 ***

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**MODELOPTs: RegDFAULT CONC ELEV URBAN

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

* HILL HEIGHT SCALES IN METERS *

Y-COORD (METERS)	404717.46	404876.53	405035.60	405194.67	405353.74	405512.81	405671.88	405830.95	405990.02
3765862.83	306.00	306.00	306.00	307.00	308.00	311.00	311.00	311.00	311.00
3765765.69	306.00	306.00	306.00	308.00	308.00	311.00	311.00	311.00	311.00
3765668.55	306.00	306.00	306.00	307.00	308.00	311.00	311.00	311.00	311.00
3765571.41	306.00	306.00	306.00	306.00	306.00	311.00	311.00	311.00	311.00
3765474.27	306.00	306.00	306.00	305.00	306.00	311.00	311.00	311.00	311.00
3765377.13	306.00	306.00	306.00	304.00	305.00	308.00	308.00	311.00	311.00
3765279.99	306.00	306.00	305.00	304.00	305.00	306.00	306.00	311.00	311.00
3765182.85	306.00	306.00	305.00	305.00	306.00	306.00	306.00	308.00	311.00
3765085.71	306.00	305.00	304.00	305.00	306.00	306.00	307.00	308.00	311.00
3764988.57	306.00	306.00	305.00	305.00	305.00	304.00	306.00	308.00	308.00
3764891.43	306.00	307.00	306.00	305.00	304.00	304.00	306.00	306.00	306.00
3764794.29	306.00	307.00	305.00	305.00	304.00	304.00	304.00	306.00	306.00
3764697.15	307.00	306.00	305.00	304.00	304.00	304.00	304.00	304.00	304.00
3764600.01	307.00	307.00	305.00	304.00	304.00	304.00	304.00	304.00	302.00
3764502.87	308.00	354.00	305.00	305.00	304.00	304.00	304.00	303.40	302.80
3764405.73	349.00	307.00	304.00	305.00	304.00	304.00	304.00	303.80	303.90

3764308.59		304.00	304.00	304.00	305.00	304.00	304.00	304.00	303.50	297.60
3764211.45		304.00	304.00	304.00	307.00	304.00	304.00	304.00	304.00	304.00
3764114.31		304.00	304.00	304.00	307.00	304.00	304.00	304.00	304.00	308.00
3764017.17		354.00	354.00	304.00	354.00	304.00	304.00	304.00	304.00	308.00
3763920.03		354.00	354.00	304.00	304.00	304.00	304.00	304.00	304.00	308.00

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**MODELOPTs: RegDFAULT CONC ELEV URBAN

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

* HILL HEIGHT SCALES IN METERS *

Y-COORD (METERS)		406149.09	406308.16	406467.23	406626.30	406785.37	406944.44	407103.51	407262.58	407421.65
3765862.83		311.00	311.00	311.00	311.00	311.00	311.00	311.00	311.00	311.00
3765765.69		311.00	311.00	311.00	311.00	311.00	311.00	311.00	311.00	311.00
3765668.55		311.00	311.00	311.00	311.00	311.00	311.00	311.00	311.00	311.00
3765571.41		311.00	311.00	311.00	311.00	311.00	306.00	311.00	306.00	306.00
3765474.27		311.00	311.00	311.00	311.00	311.00	306.00	306.00	306.00	267.00
3765377.13		311.00	311.00	306.00	311.00	311.00	306.00	306.00	306.00	267.00
3765279.99		311.00	311.00	311.00	311.00	311.00	306.00	306.00	302.00	263.00
3765182.85		308.00	311.00	311.00	311.00	306.00	306.00	263.00	263.00	263.00
3765085.71		306.00	306.00	311.00	311.00	306.00	306.00	259.00	263.00	263.00
3764988.57		306.00	306.00	311.00	306.00	306.00	306.00	306.00	263.00	267.00
3764891.43		306.00	306.00	306.00	306.00	306.00	311.00	311.00	311.00	267.00
3764794.29		305.00	306.00	306.00	306.00	306.00	306.00	311.00	311.00	267.00
3764697.15		303.00	300.80	302.60	306.00	306.00	306.00	311.00	311.00	267.00
3764600.01		303.50	304.00	305.10	306.00	306.00	311.00	311.00	311.00	311.00
3764502.87		303.90	303.50	303.50	306.00	311.00	311.00	311.00	311.00	311.00
3764405.73		303.80	302.50	301.00	304.00	311.00	311.00	311.00	354.00	354.00
3764308.59		304.00	300.30	299.40	296.50	311.00	311.00	311.00	354.00	354.00
3764211.45		304.00	295.40	303.20	302.20	311.00	311.00	311.00	345.00	354.00
3764114.31		308.00	307.00	306.90	307.60	311.00	311.00	311.00	311.00	345.00
3764017.17		311.00	307.00	303.10	304.30	311.00	311.00	311.00	311.00	354.00
3763920.03		309.00	304.00	300.70	299.50	297.00	311.00	311.00	345.00	354.00

*** AERMOD - VERSION 15181 *** *** C:\Lakes\AERMOD View\6351 Puente Hills Landfill Park\6351 Puente Hil *** 04/20/16
 *** AERMET - VERSION 14134 *** *** Methylene Chloride *** 16:06:41
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**MODELOPTs: RegDFAULT CONC ELEV URBAN

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

* HILL HEIGHT SCALES IN METERS *

Y-COORD		X-COORD (METERS)

(METERS)	407580.72	407739.79	407898.86
3765862.83	311.00	311.00	311.00
3765765.69	311.00	311.00	311.00
3765668.55	311.00	311.00	311.00
3765571.41	311.00	311.00	311.00
3765474.27	306.00	306.00	306.00
3765377.13	267.00	267.00	267.00
3765279.99	267.00	267.00	267.00
3765182.85	263.00	240.00	267.00
3765085.71	238.00	240.00	267.00
3764988.57	267.00	267.00	267.00
3764891.43	267.00	267.00	267.00
3764794.29	267.00	267.00	267.00
3764697.15	267.00	265.00	267.00
3764600.01	267.00	265.00	267.00
3764502.87	267.00	267.00	267.00
3764405.73	345.00	311.00	343.00
3764308.59	354.00	354.00	354.00
3764211.45	354.00	354.00	354.00
3764114.31	352.00	352.00	354.00
3764017.17	354.00	354.00	354.00
3763920.03	354.00	354.00	354.00

*** AERMOD - VERSION 15181 *** *** C:\Lakes\AERMOD View\6351 Puente Hills Landfill Park\6351 Puente Hil *** 04/20/16
 *** AERMET - VERSION 14134 *** *** Methylene Chloride *** 16:06:41
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**MODELOPTs: RegDEFAULT CONC ELEV URBAN

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

(405475.9, 3765283.3,	178.5,	306.0,	0.0);	(405487.3, 3765227.6,	181.1,	306.0,	0.0);
(405496.8, 3765177.1,	182.5,	306.0,	0.0);	(405361.1, 3765124.2,	183.8,	306.0,	0.0);
(405556.6, 3765179.2,	182.0,	306.0,	0.0);	(405517.0, 3765024.9,	207.2,	305.0,	0.0);
(405795.3, 3765005.2,	188.0,	308.0,	0.0);	(406083.9, 3765241.0,	155.0,	311.0,	0.0);
(406158.4, 3764974.0,	244.3,	306.0,	0.0);	(405659.6, 3764787.4,	247.3,	304.0,	0.0);
(405927.5, 3765602.5,	122.2,	311.0,	0.0);				

*** AERMOD - VERSION 15181 *** *** C:\Lakes\AERMOD View\6351 Puente Hills Landfill Park\6351 Puente Hil *** 04/20/16
 *** AERMET - VERSION 14134 *** *** Methylene Chloride *** 16:06:41
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**MODELOPTs: RegDEFAULT CONC ELEV URBAN

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

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

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

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*** AERMOD - VERSION 15181 ***      *** C:\Lakes\AERMOD View\6351 Puente Hills Landfill Park\6351 Puente Hil ***      04/20/16
*** AERMET - VERSION 14134 ***      *** Methylene Chloride ***      16:06:41
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**MODELOPTS:   RegDEFAULT CONC      ELEV      URBAN

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

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Surface file:  C:\Users\Kate Wilson\Desktop\Met data\pico8.sfc           Met Version:  14134
Profile file:   C:\Users\Kate Wilson\Desktop\Met data\pico8.PFL
Surface format: FREE
Profile format: FREE
Surface station no.:      0                Upper air station no.:      3190
                Name: UNKNOWN                Name: UNKNOWN
                Year:  2008                Year:  2008

```

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
08	01	01	1	01	-999.0	-9.000	-9.000	-9.000	-999.	-999.	-99999.0	0.34	1.00	1.00	999.00	999.	-9.0	285.4	5.5			
08	01	01	1	02	-999.0	-9.000	-9.000	-9.000	-999.	-999.	-99999.0	0.34	1.00	1.00	999.00	999.	-9.0	284.2	5.5			
08	01	01	1	03	-999.0	-9.000	-9.000	-9.000	-999.	-999.	-99999.0	0.34	1.00	1.00	999.00	999.	-9.0	283.8	5.5			
08	01	01	1	04	-999.0	-9.000	-9.000	-9.000	-999.	-999.	-99999.0	0.34	1.00	1.00	999.00	999.	-9.0	284.2	5.5			
08	01	01	1	05	-999.0	-9.000	-9.000	-9.000	-999.	-999.	-99999.0	0.34	1.00	1.00	999.00	999.	-9.0	284.9	5.5			
08	01	01	1	06	-999.0	-9.000	-9.000	-9.000	-999.	-999.	-99999.0	0.34	1.00	1.00	999.00	999.	-9.0	285.4	5.5			
08	01	01	1	07	-999.0	-9.000	-9.000	-9.000	-999.	-999.	-99999.0	0.34	1.00	1.00	999.00	999.	-9.0	285.9	5.5			
08	01	01	1	08	-999.0	-9.000	-9.000	-9.000	-999.	-999.	-99999.0	0.34	1.00	0.54	999.00	999.	-9.0	286.4	5.5			
08	01	01	1	09	28.6	-9.000	-9.000	-9.000	61.	-999.	-99999.0	0.34	1.00	0.32	999.00	999.	-9.0	287.0	5.5			
08	01	01	1	10	83.5	-9.000	-9.000	-9.000	164.	-999.	-99999.0	0.34	1.00	0.24	999.00	999.	-9.0	289.2	5.5			
08	01	01	1	11	131.2	-9.000	-9.000	-9.000	427.	-999.	-99999.0	0.34	1.00	0.21	999.00	999.	-9.0	292.5	5.5			
08	01	01	1	12	130.6	-9.000	-9.000	-9.000	620.	-999.	-99999.0	0.34	1.00	0.20	999.00	999.	-9.0	294.2	5.5			
08	01	01	1	13	112.1	-9.000	-9.000	-9.000	723.	-999.	-99999.0	0.34	1.00	0.20	999.00	999.	-9.0	294.9	5.5			
08	01	01	1	14	86.7	-9.000	-9.000	-9.000	762.	-999.	-99999.0	0.34	1.00	0.21	999.00	999.	-9.0	294.9	5.5			
08	01	01	1	15	37.3	-9.000	-9.000	-9.000	778.	-999.	-99999.0	0.34	1.00	0.25	999.00	999.	-9.0	294.2	5.5			
08	01	01	1	16	12.7	-9.000	-9.000	-9.000	783.	-999.	-99999.0	0.34	1.00	0.33	999.00	999.	-9.0	293.8	5.5			
08	01	01	1	17	-999.0	-9.000	-9.000	-9.000	-999.	-999.	-99999.0	0.34	1.00	0.60	999.00	999.	-9.0	292.5	5.5			

[illegible]

3764308.59		0.00001	0.00001	0.00001	0.00001	0.00001	0.00001	0.00001	0.00001	0.00001
3764211.45		0.00001	0.00001	0.00001	0.00001	0.00001	0.00001	0.00001	0.00001	0.00001
3764114.31		0.00001	0.00001	0.00001	0.00001	0.00001	0.00001	0.00001	0.00001	0.00001
3764017.17		0.00001	0.00001	0.00001	0.00001	0.00001	0.00001	0.00001	0.00001	0.00001
3763920.03		0.00001	0.00001	0.00001	0.00001	0.00000	0.00000	0.00001	0.00001	0.00001

*** AERMOD - VERSION 15181 *** *** C:\Lakes\AERMOD View\6351 Puente Hills Landfill Park\6351 Puente Hil *** 04/20/16
 *** AERMET - VERSION 14134 *** *** Methylene Chloride *** 16:06:41
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**MODELOPTs: RegDFAULT CONC ELEV URBAN

*** THE ANNUAL AVERAGE CONCENTRATION VALUES AVERAGED OVER 5 YEARS FOR SOURCE GROUP: ALL ***
 INCLUDING SOURCE(S): FLARE1 , FLARE2 , FLARE3 , FLARE4 , FLARE5 ,
 FLARE6 , FLARE7 , FLARE8 , FLARE9 , FLARE10 , FLARE11 , FLARE12 , FLARE13 ,
 FLARE14 , FLARE15 , FLARE16 , FLARE17 , FLARE18 , FLARE19 , FLARE20 , FLARE21 ,
 FLARE22 , FLARE23 , FLARE24 ,

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

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

**

Y-COORD (METERS)				X-COORD (METERS)						
	406149.09	406308.16	406467.23	406626.30	406785.37	406944.44	407103.51	407262.58	407421.65	
3765862.83		0.00003	0.00002	0.00002	0.00001	0.00001	0.00001	0.00001	0.00001	0.00001
3765765.69		0.00003	0.00002	0.00002	0.00001	0.00001	0.00001	0.00001	0.00001	0.00001
3765668.55		0.00003	0.00002	0.00001	0.00001	0.00001	0.00001	0.00001	0.00001	0.00001
3765571.41		0.00002	0.00002	0.00001	0.00001	0.00001	0.00001	0.00001	0.00001	0.00001
3765474.27		0.00002	0.00001	0.00001	0.00001	0.00001	0.00001	0.00001	0.00001	0.00001
3765377.13		0.00002	0.00001	0.00001	0.00001	0.00001	0.00001	0.00001	0.00001	0.00001
3765279.99		0.00001	0.00001	0.00001	0.00001	0.00001	0.00001	0.00001	0.00001	0.00001
3765182.85		0.00001	0.00001	0.00001	0.00001	0.00001	0.00001	0.00001	0.00001	0.00001
3765085.71		0.00001	0.00001	0.00001	0.00001	0.00001	0.00001	0.00001	0.00001	0.00001
3764988.57		0.00001	0.00001	0.00001	0.00001	0.00001	0.00001	0.00001	0.00001	0.00001
3764891.43		0.00001	0.00001	0.00001	0.00001	0.00001	0.00001	0.00001	0.00001	0.00001
3764794.29		0.00001	0.00001	0.00001	0.00001	0.00001	0.00001	0.00001	0.00001	0.00001
3764697.15		0.00001	0.00001	0.00001	0.00001	0.00001	0.00001	0.00001	0.00001	0.00001
3764600.01		0.00001	0.00001	0.00001	0.00001	0.00001	0.00001	0.00001	0.00001	0.00000
3764502.87		0.00001	0.00001	0.00001	0.00001	0.00001	0.00001	0.00001	0.00001	0.00000
3764405.73		0.00001	0.00001	0.00001	0.00001	0.00001	0.00001	0.00001	0.00001	0.00000
3764308.59		0.00001	0.00001	0.00001	0.00001	0.00001	0.00001	0.00001	0.00001	0.00000
3764211.45		0.00001	0.00001	0.00001	0.00001	0.00001	0.00001	0.00001	0.00000	0.00000
3764114.31		0.00001	0.00001	0.00001	0.00001	0.00001	0.00001	0.00001	0.00001	0.00000
3764017.17		0.00001	0.00001	0.00001	0.00001	0.00001	0.00001	0.00001	0.00001	0.00000
3763920.03		0.00001	0.00001	0.00001	0.00001	0.00001	0.00001	0.00000	0.00000	0.00000

*** AERMOD - VERSION 15181 *** *** C:\Lakes\AERMOD View\6351 Puente Hills Landfill Park\6351 Puente Hil *** 04/20/16
 *** AERMET - VERSION 14134 *** *** Methylene Chloride *** 16:06:41
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**MODELOPTs: RegDFAULT CONC ELEV URBAN

*** THE ANNUAL AVERAGE CONCENTRATION VALUES AVERAGED OVER 5 YEARS FOR SOURCE GROUP: ALL ***
 INCLUDING SOURCE(S): FLARE1 , FLARE2 , FLARE3 , FLARE4 , FLARE5 ,
 FLARE6 , FLARE7 , FLARE8 , FLARE9 , FLARE10 , FLARE11 , FLARE12 , FLARE13 ,
 FLARE14 , FLARE15 , FLARE16 , FLARE17 , FLARE18 , FLARE19 , FLARE20 , FLARE21 ,
 FLARE22 , FLARE23 , FLARE24 ,

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

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

Y-COORD (METERS)	407580.72	407739.79	407898.86	X-COORD (METERS)
3765862.83	0.00001	0.00001	0.00001	
3765765.69	0.00001	0.00001	0.00001	
3765668.55	0.00001	0.00001	0.00000	
3765571.41	0.00001	0.00001	0.00000	
3765474.27	0.00001	0.00000	0.00000	
3765377.13	0.00001	0.00001	0.00000	
3765279.99	0.00001	0.00000	0.00000	
3765182.85	0.00001	0.00000	0.00000	
3765085.71	0.00001	0.00000	0.00000	
3764988.57	0.00000	0.00000	0.00000	
3764891.43	0.00000	0.00000	0.00000	
3764794.29	0.00001	0.00000	0.00000	
3764697.15	0.00001	0.00000	0.00000	
3764600.01	0.00001	0.00000	0.00000	
3764502.87	0.00000	0.00000	0.00000	
3764405.73	0.00000	0.00000	0.00000	
3764308.59	0.00000	0.00000	0.00000	
3764211.45	0.00000	0.00000	0.00000	
3764114.31	0.00000	0.00000	0.00000	
3764017.17	0.00000	0.00000	0.00000	
3763920.03	0.00000	0.00000	0.00000	

*** AERMOD - VERSION 15181 *** *** C:\Lakes\AERMOD View\6351 Puente Hills Landfill Park\6351 Puente Hil *** 04/20/16
 *** AERMET - VERSION 14134 *** *** Methylene Chloride *** 16:06:41
 **MODELOPTs: RegDEFAULT CONC ELEV URBAN PAGE 18

*** THE ANNUAL AVERAGE CONCENTRATION VALUES AVERAGED OVER 5 YEARS FOR SOURCE GROUP: ALL ***
 INCLUDING SOURCE(S): FLARE1 , FLARE2 , FLARE3 , FLARE4 , FLARE5 ,
 FLARE6 , FLARE7 , FLARE8 , FLARE9 , FLARE10 , FLARE11 , FLARE12 , FLARE13 ,
 FLARE14 , FLARE15 , FLARE16 , FLARE17 , FLARE18 , FLARE19 , FLARE20 , FLARE21 ,
 FLARE22 , FLARE23 , FLARE24 ,

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

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

**

X-COORD (M)	Y-COORD (M)	CONC	X-COORD (M)	Y-COORD (M)	CONC
405475.87	3765283.33	0.00019	405487.28	3765227.63	0.00011
405496.83	3765177.10	0.00010	405361.06	3765124.16	0.00009
405556.64	3765179.21	0.00008	405516.99	3765024.87	0.00004
405795.26	3765005.20	0.00002	406083.86	3765241.01	0.00002
406158.41	3764974.02	0.00001	405659.63	3764787.39	0.00002
405927.52	3765602.51	0.00004			

*** AERMOD - VERSION 15181 *** *** C:\Lakes\AERMOD View\6351 Puente Hills Landfill Park\6351 Puente Hil *** 04/20/16
 *** AERMET - VERSION 14134 *** *** Methylene Chloride *** 16:06:41
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**MODELOPTs: RegDEFAULT CONC ELEV URBAN

*** THE 1ST HIGHEST 1-HR AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: ALL ***
 INCLUDING SOURCE(S): FLARE1 , FLARE2 , FLARE3 , FLARE4 , FLARE5 ,
 FLARE6 , FLARE7 , FLARE8 , FLARE9 , FLARE10 , FLARE11 , FLARE12 , FLARE13 ,
 FLARE14 , FLARE15 , FLARE16 , FLARE17 , FLARE18 , FLARE19 , FLARE20 , FLARE21 ,
 FLARE22 , FLARE23 , FLARE24 ,

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

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

**

Y-COORD (METERS)	404717.46	404876.53	X-COORD (METERS) 405035.60	405194.67	405353.74
3765862.8	0.00075 (08010421)	0.00085 (08010422)	0.00102 (08012705)	0.00116 (10122017)	0.00117 (08010501)
3765765.7	0.00076 (08010421)	0.00098 (08010421)	0.00116 (08010422)	0.00137 (10122017)	0.00151 (08010501)
3765668.5	0.00068 (08010421)	0.00104 (08010421)	0.00136 (08010422)	0.00160 (08010423)	0.00198 (08010501)
3765571.4	0.00068 (08012421)	0.00090 (08010421)	0.00147 (08010421)	0.00202 (08010422)	0.00264 (08010501)
3765474.3	0.00070 (12041104)	0.00073 (08012421)	0.00121 (08010421)	0.00236 (08010422)	0.00398 (08010424)
3765377.1	0.00083 (11032018)	0.00093 (11032018)	0.00101 (12042514)	0.00239 (10100512)	0.00810 (08010424)
3765280.0	0.00104 (11032018)	0.00134 (11032018)	0.00169 (11032018)	0.00273 (10102712)	0.00347 (08101709)
3765182.8	0.00100 (11032018)	0.00126 (11032018)	0.00158 (08022207)	0.00364 (11120103)	0.00618 (11120103)
3765085.7	0.00099 (08022207)	0.00132 (08022207)	0.00213 (11120103)	0.00424 (08012701)	0.00389 (08010701)
3764988.6	0.00097 (08022207)	0.00110 (08022207)	0.00194 (08012701)	0.00307 (08012620)	0.00180 (08010701)
3764891.4	0.00077 (08022207)	0.00102 (08012620)	0.00162 (08012620)	0.00265 (08010701)	0.00262 (09060302)
3764794.3	0.00075 (08012624)	0.00106 (08012624)	0.00135 (08112604)	0.00204 (08010701)	0.00181 (09060302)
3764697.1	0.00079 (08012624)	0.00097 (08012619)	0.00134 (08022206)	0.00123 (08010623)	0.00117 (10120518)
3764600.0	0.00075 (08012624)	0.00086 (08112604)	0.00125 (08022206)	0.00104 (09060302)	0.00118 (09060302)
3764502.9	0.00069 (08022323)	0.00076 (12030705)	0.00102 (08022206)	0.00107 (09060302)	0.00121 (09060302)
3764405.7	0.00063 (12030705)	0.00071 (08022206)	0.00088 (08010623)	0.00103 (09060302)	0.00104 (09060302)
3764308.6	0.00060 (12030705)	0.00070 (08010623)	0.00075 (08010623)	0.00096 (09060302)	0.00089 (09060302)
3764211.4	0.00066 (12030705)	0.00074 (08010623)	0.00067 (09060302)	0.00088 (09060302)	0.00073 (09060302)
3764114.3	0.00060 (08010623)	0.00059 (08010623)	0.00064 (09060302)	0.00081 (09060302)	0.00065 (09060302)

3764017.2		0.00045 (08010623)	0.00045 (08010623)	0.00062 (09060302)	0.00073 (09060302)	0.00057 (09060302)
3763920.0		0.00041 (08010623)	0.00039 (08010623)	0.00061 (09060302)	0.00072 (09060302)	0.00047 (09060302)

*** AERMOD - VERSION 15181 ***	*** C:\Lakes\AERMOD View\6351 Puente Hills Landfill Park\6351 Puente Hil ***	04/20/16
*** AERMET - VERSION 14134 ***	*** Methylene Chloride ***	16:06:41
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**MODELOPTs: RegDFAULT CONC ELEV URBAN

*** THE 1ST HIGHEST 1-HR AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: ALL ***
INCLUDING SOURCE(S): FLARE1 , FLARE2 , FLARE3 , FLARE4 , FLARE5 ,
FLARE6 , FLARE7 , FLARE8 , FLARE9 , FLARE10 , FLARE11 , FLARE12 , FLARE13 ,
FLARE14 , FLARE15 , FLARE16 , FLARE17 , FLARE18 , FLARE19 , FLARE20 , FLARE21 ,
FLARE22 , FLARE23 , FLARE24 ,

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

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

**

Y-COORD (METERS)	405512.81	405671.88	X-COORD (METERS) 405830.95	405990.02	406149.09
3765862.8	0.00122 (10033118)	0.00111 (10042118)	0.00096 (11102318)	0.00083 (12041318)	0.00076 (12090919)
3765765.7	0.00142 (10033118)	0.00136 (10042118)	0.00104 (08020318)	0.00093 (12090919)	0.00076 (12090919)
3765668.5	0.00160 (10033118)	0.00157 (10042118)	0.00115 (12041318)	0.00097 (12090919)	0.00084 (12031819)
3765571.4	0.00207 (10042118)	0.00153 (10042118)	0.00120 (12090919)	0.00105 (12031818)	0.00085 (12031818)
3765474.3	0.00287 (10042118)	0.00140 (12121813)	0.00128 (12031818)	0.00101 (12031818)	0.00070 (12031818)
3765377.1	0.00345 (08052114)	0.00179 (12031815)	0.00102 (12031818)	0.00066 (12031818)	0.00048 (10123010)
3765280.0	0.00372 (12012113)	0.00237 (12111014)	0.00110 (12111014)	0.00073 (10122923)	0.00063 (10122923)
3765182.8	0.00379 (09022810)	0.00220 (10122923)	0.00183 (10122923)	0.00131 (10122923)	0.00121 (10122923)
3765085.7	0.00289 (09011809)	0.00177 (10112810)	0.00187 (10122923)	0.00172 (10122923)	0.00128 (10122923)
3764988.6	0.00218 (09011808)	0.00141 (11111008)	0.00157 (09102718)	0.00110 (10122923)	0.00097 (11030721)
3764891.4	0.00190 (10010903)	0.00156 (12121819)	0.00176 (09102718)	0.00122 (09102718)	0.00092 (10120102)
3764794.3	0.00117 (10010903)	0.00154 (10110404)	0.00130 (12121818)	0.00096 (09102718)	0.00115 (08122103)
3764697.1	0.00086 (10010903)	0.00123 (09011807)	0.00124 (08122803)	0.00127 (09012705)	0.00110 (10011108)
3764600.0	0.00095 (08011224)	0.00142 (09040502)	0.00129 (11022802)	0.00118 (08112603)	0.00103 (09030706)
3764502.9	0.00093 (08011224)	0.00130 (12101721)	0.00118 (10111323)	0.00107 (09011022)	0.00098 (10110523)
3764405.7	0.00082 (08011224)	0.00114 (08121022)	0.00108 (10121119)	0.00100 (12101501)	0.00090 (08112603)
3764308.6	0.00072 (08011224)	0.00103 (12010208)	0.00099 (08100624)	0.00090 (08011420)	0.00085 (10123101)
3764211.4	0.00063 (08011224)	0.00092 (08032304)	0.00090 (09040502)	0.00080 (10030504)	0.00075 (08122803)
3764114.3	0.00052 (08011224)	0.00084 (09011423)	0.00076 (10111204)	0.00055 (10110404)	0.00052 (08121003)
3764017.2	0.00040 (11012704)	0.00066 (09011423)	0.00052 (10111204)	0.00057 (09011808)	0.00046 (09011808)
3763920.0	0.00031 (11012704)	0.00043 (09011423)	0.00041 (10123106)	0.00053 (09011808)	0.00045 (09011808)

*** AERMOD - VERSION 15181 ***	*** C:\Lakes\AERMOD View\6351 Puente Hills Landfill Park\6351 Puente Hil ***	04/20/16
*** AERMET - VERSION 14134 ***	*** Methylene Chloride ***	16:06:41
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**MODELOPTs: RegDFAULT CONC ELEV URBAN

*** THE 1ST HIGHEST 1-HR AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: ALL ***
INCLUDING SOURCE(S): FLARE1 , FLARE2 , FLARE3 , FLARE4 , FLARE5 ,

FLARE6 , FLARE7 , FLARE8 , FLARE9 , FLARE10 , FLARE11 , FLARE12 , FLARE13 ,
FLARE14 , FLARE15 , FLARE16 , FLARE17 , FLARE18 , FLARE19 , FLARE20 , FLARE21 ,
FLARE22 , FLARE23 , FLARE24 ,

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

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

**

Y-COORD (METERS)	406308.16	406467.23	X-COORD (METERS) 406626.30	406785.37	406944.44
3765862.8	0.00061 (12031819)	0.00057 (12031819)	0.00049 (12031819)	0.00042 (10102806)	0.00039 (10102806)
3765765.7	0.00069 (12031819)	0.00058 (12031819)	0.00048 (10102806)	0.00044 (10102806)	0.00039 (10102806)
3765668.5	0.00070 (12031818)	0.00055 (12031818)	0.00049 (10102806)	0.00042 (10102806)	0.00037 (10102806)
3765571.4	0.00063 (12031818)	0.00053 (10102806)	0.00044 (10102806)	0.00037 (10102806)	0.00040 (10102806)
3765474.3	0.00053 (10102806)	0.00044 (10102806)	0.00036 (10102806)	0.00037 (10110817)	0.00043 (10110817)
3765377.1	0.00044 (10110817)	0.00055 (10110817)	0.00041 (10110817)	0.00048 (10110817)	0.00047 (10110817)
3765280.0	0.00065 (10122923)	0.00057 (10110817)	0.00048 (10110817)	0.00051 (10110817)	0.00047 (10110817)
3765182.8	0.00093 (10122923)	0.00075 (10122923)	0.00060 (10122923)	0.00049 (10122923)	0.00045 (10110817)
3765085.7	0.00115 (10122923)	0.00092 (10122923)	0.00075 (10122923)	0.00059 (10122923)	0.00051 (11030722)
3764988.6	0.00102 (10122923)	0.00094 (10122923)	0.00077 (10122923)	0.00065 (10122923)	0.00056 (10122923)
3764891.4	0.00068 (09102717)	0.00068 (11030721)	0.00062 (08052119)	0.00061 (08052119)	0.00058 (10122923)
3764794.3	0.00099 (10113005)	0.00087 (08122002)	0.00069 (10012307)	0.00050 (11030721)	0.00053 (08052119)
3764697.1	0.00096 (08042801)	0.00086 (10102719)	0.00075 (12030702)	0.00051 (08122002)	0.00045 (11030721)
3764600.0	0.00092 (10011108)	0.00081 (08042801)	0.00072 (10102719)	0.00054 (10113005)	0.00040 (09102717)
3764502.9	0.00086 (09070623)	0.00078 (09092905)	0.00069 (08042801)	0.00049 (11022803)	0.00043 (09102721)
3764405.7	0.00081 (08112807)	0.00074 (09070623)	0.00066 (09092905)	0.00043 (08122103)	0.00046 (09102721)
3764308.6	0.00076 (10110523)	0.00069 (09030706)	0.00063 (09111106)	0.00046 (08012607)	0.00044 (09102721)
3764211.4	0.00071 (08112603)	0.00067 (09122001)	0.00061 (08031106)	0.00055 (11021806)	0.00043 (09102718)
3764114.3	0.00070 (08122001)	0.00063 (08112107)	0.00058 (08112807)	0.00054 (08122101)	0.00040 (09102718)
3764017.2	0.00066 (08122803)	0.00060 (08111406)	0.00057 (10110523)	0.00052 (08013106)	0.00040 (08122101)
3763920.0	0.00062 (09121606)	0.00057 (08122708)	0.00053 (09030206)	0.00050 (08112807)	0.00045 (08013106)

*** AERMOD - VERSION 15181 *** C:\Lakes\AERMOD View\6351 Puente Hills Landfill Park\6351 Puente Hil ***
*** AERMET - VERSION 14134 *** Methylene Chloride ***

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**MODELOPTs: RegDEFAULT CONC ELEV URBAN

*** THE 1ST HIGHEST 1-HR AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: ALL ***
INCLUDING SOURCE(S): FLARE1 , FLARE2 , FLARE3 , FLARE4 , FLARE5 ,
FLARE6 , FLARE7 , FLARE8 , FLARE9 , FLARE10 , FLARE11 , FLARE12 , FLARE13 ,
FLARE14 , FLARE15 , FLARE16 , FLARE17 , FLARE18 , FLARE19 , FLARE20 , FLARE21 ,
FLARE22 , FLARE23 , FLARE24 ,

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

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

**

Y-COORD (METERS)	407103.51	407262.58	X-COORD (METERS) 407421.65	407580.72	407739.79

3765862.8	0.00035	(10102806)	0.00032	(10102806)	0.00028	(10102806)	0.00025	(10102806)	0.00022	(10102806)
3765765.7	0.00034	(10102806)	0.00030	(10102806)	0.00026	(10102806)	0.00023	(10102806)	0.00020	(12081020)
3765668.5	0.00031	(10102806)	0.00027	(10102806)	0.00023	(10102806)	0.00021	(10110817)	0.00021	(10110817)
3765571.4	0.00029	(10110817)	0.00029	(10110817)	0.00028	(10110817)	0.00024	(10110817)	0.00023	(10110817)
3765474.3	0.00041	(10110817)	0.00039	(10110817)	0.00037	(10110817)	0.00028	(10110817)	0.00025	(10110817)
3765377.1	0.00044	(10110817)	0.00041	(10110817)	0.00039	(10110817)	0.00036	(10110817)	0.00031	(10110817)
3765280.0	0.00044	(10110817)	0.00042	(10110817)	0.00039	(10110817)	0.00036	(10110817)	0.00033	(10110817)
3765182.8	0.00042	(10110817)	0.00036	(10110817)	0.00035	(10110817)	0.00033	(10110817)	0.00031	(10110817)
3765085.7	0.00043	(11030722)	0.00037	(09113004)	0.00036	(11030722)	0.00034	(11030722)	0.00032	(11030722)
3764988.6	0.00047	(10122923)	0.00043	(11030722)	0.00040	(11030722)	0.00036	(11030722)	0.00034	(11030722)
3764891.4	0.00053	(10122923)	0.00047	(10122923)	0.00040	(10122923)	0.00036	(12121821)	0.00034	(11030722)
3764794.3	0.00051	(10122923)	0.00047	(10122923)	0.00039	(08052119)	0.00034	(12121821)	0.00034	(12121821)
3764697.1	0.00048	(08052119)	0.00045	(08052119)	0.00041	(08052119)	0.00034	(08011406)	0.00032	(08052119)
3764600.0	0.00041	(08052119)	0.00041	(08052119)	0.00040	(08052119)	0.00035	(11030721)	0.00032	(08052119)
3764502.9	0.00035	(08052119)	0.00036	(08052119)	0.00035	(08052119)	0.00035	(08052119)	0.00033	(11030721)
3764405.7	0.00038	(09102721)	0.00033	(09102721)	0.00030	(08052119)	0.00031	(11030721)	0.00031	(08052119)
3764308.6	0.00041	(09102721)	0.00036	(09102721)	0.00030	(09102721)	0.00025	(09102721)	0.00024	(11030721)
3764211.4	0.00040	(09102721)	0.00037	(09102721)	0.00034	(09102721)	0.00029	(09102721)	0.00024	(09102721)
3764114.3	0.00035	(09102718)	0.00037	(09102721)	0.00035	(09102721)	0.00032	(09102721)	0.00029	(09102721)
3764017.2	0.00036	(09102718)	0.00033	(09102718)	0.00034	(09102721)	0.00032	(09102721)	0.00029	(09102721)
3763920.0	0.00034	(09102807)	0.00035	(09102718)	0.00033	(09102718)	0.00029	(09102721)	0.00026	(09102721)

*** AERMOD - VERSION 15181 *** *** C:\Lakes\AERMOD View\6351 Puente Hills Landfill Park\6351 Puente Hil *** 04/20/16
 *** AERMET - VERSION 14134 *** *** Methylene Chloride *** 16:06:41
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**MODELOPTs: RegDEFAULT CONC ELEV URBAN

*** THE 1ST HIGHEST 1-HR AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: ALL ***
 INCLUDING SOURCE(S): FLARE1 , FLARE2 , FLARE3 , FLARE4 , FLARE5 ,
 FLARE6 , FLARE7 , FLARE8 , FLARE9 , FLARE10 , FLARE11 , FLARE12 , FLARE13 ,
 FLARE14 , FLARE15 , FLARE16 , FLARE17 , FLARE18 , FLARE19 , FLARE20 , FLARE21 ,
 FLARE22 , FLARE23 , FLARE24 ,

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

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

**

Y-COORD (METERS)	X-COORD (METERS)
407898.86	

3765862.8	0.00020	(12081020)
3765765.7	0.00018	(10110817)
3765668.5	0.00020	(10110817)
3765571.4	0.00022	(10110817)
3765474.3	0.00023	(10110817)
3765377.1	0.00029	(10110817)
3765280.0	0.00031	(10110817)
3765182.8	0.00030	(10110817)

3765085.7 | 0.00029 (11030722)
3764988.6 | 0.00031 (11030722)
3764891.4 | 0.00031 (11030722)
3764794.3 | 0.00031 (12121821)
3764697.1 | 0.00032 (08052119)
3764600.0 | 0.00033 (08052119)
3764502.9 | 0.00032 (08052119)
3764405.7 | 0.00030 (11030721)
3764308.6 | 0.00023 (11030721)
3764211.4 | 0.00020 (11030721)
3764114.3 | 0.00021 (09102721)
3764017.2 | 0.00022 (09102721)
3763920.0 | 0.00022 (09102721)

*** AERMOD - VERSION 15181 *** C:\Lakes\AERMOD View\6351 Puente Hills Landfill Park\6351 Puente Hil *** 04/20/16
*** AERMET - VERSION 14134 *** Methylene Chloride *** 16:06:41
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**MODELOPTs: RegDFAULT CONC ELEV URBAN

*** THE 1ST HIGHEST 1-HR AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: ALL ***
INCLUDING SOURCE(S): FLARE1 , FLARE2 , FLARE3 , FLARE4 , FLARE5 ,
FLARE6 , FLARE7 , FLARE8 , FLARE9 , FLARE10 , FLARE11 , FLARE12 , FLARE13 ,
FLARE14 , FLARE15 , FLARE16 , FLARE17 , FLARE18 , FLARE19 , FLARE20 , FLARE21 ,
FLARE22 , FLARE23 , FLARE24 ,

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

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

**

X-COORD (M)	Y-COORD (M)	CONC	(YYMMDDHH)	X-COORD (M)	Y-COORD (M)	CONC	(YYMMDDHH)
405475.87	3765283.33	0.00391	(10012115)	405487.28	3765227.63	0.00293	(12080612)
405496.83	3765177.10	0.00406	(10102809)	405361.06	3765124.16	0.00392	(08010701)
405556.64	3765179.21	0.00342	(12071216)	405516.99	3765024.87	0.00222	(08031008)
405795.26	3765005.20	0.00162	(09102718)	406083.86	3765241.01	0.00083	(10122923)
406158.41	3764974.02	0.00091	(11030721)	405659.63	3764787.39	0.00156	(10110404)
405927.52	3765602.51	0.00104	(12090919)				

*** AERMOD - VERSION 15181 *** C:\Lakes\AERMOD View\6351 Puente Hills Landfill Park\6351 Puente Hil *** 04/20/16
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**MODELOPTs: RegDFAULT CONC ELEV URBAN

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

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

**

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

ALL	1ST HIGHEST VALUE IS	0.00024 AT (	405512.81,	3765377.13,	138.00,	308.00,	0.00)	GC	UCART1
	2ND HIGHEST VALUE IS	0.00019 AT (	405475.87,	3765283.33,	178.49,	306.00,	0.00)	DC	
	3RD HIGHEST VALUE IS	0.00018 AT (	405512.81,	3765474.27,	122.70,	311.00,	0.00)	GC	UCART1
	4TH HIGHEST VALUE IS	0.00018 AT (	405353.74,	3765377.13,	180.70,	305.00,	0.00)	GC	UCART1
	5TH HIGHEST VALUE IS	0.00016 AT (	405512.81,	3765279.99,	174.60,	306.00,	0.00)	GC	UCART1
	6TH HIGHEST VALUE IS	0.00014 AT (	405353.74,	3765474.27,	163.10,	306.00,	0.00)	GC	UCART1
	7TH HIGHEST VALUE IS	0.00013 AT (	405512.81,	3765571.41,	117.00,	311.00,	0.00)	GC	UCART1
	8TH HIGHEST VALUE IS	0.00012 AT (	405353.74,	3765182.85,	181.90,	306.00,	0.00)	GC	UCART1
	9TH HIGHEST VALUE IS	0.00012 AT (	405353.74,	3765279.99,	181.00,	305.00,	0.00)	GC	UCART1
	10TH HIGHEST VALUE IS	0.00011 AT (	405671.88,	3765474.27,	125.40,	311.00,	0.00)	GC	UCART1

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

*** AERMOD - VERSION 15181 ***	*** C:\Lakes\AERMOD View\6351 Puente Hills Landfill Park\6351 Puente Hil ***	04/20/16
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**MODELOPTs: RegDFAULT CONC ELEV URBAN

*** THE SUMMARY OF HIGHEST 1-HR RESULTS ***

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

GROUP ID	AVERAGE CONC	DATE (YYMMDDHH)	RECEPTOR (XR, YR, ZELEV, ZHILL, ZFLAG)	OF TYPE	NETWORK GRID-ID
ALL HIGH 1ST HIGH VALUE IS	0.00810	ON 08010424:	AT (405353.74, 3765377.13, 180.70, 305.00,	0.00)	GC UCART1

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

*** AERMOD - VERSION 15181 ***	*** C:\Lakes\AERMOD View\6351 Puente Hills Landfill Park\6351 Puente Hil ***	04/20/16
*** AERMET - VERSION 14134 ***	*** Methylene Chloride ***	16:06:41
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**MODELOPTs: RegDFAULT CONC ELEV URBAN

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

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

A Total of	0 Fatal Error Message(s)
A Total of	0 Warning Message(s)

A Total of 1222 Informational Message(s)
A Total of 43848 Hours Were Processed
A Total of 13 Calm Hours Identified
A Total of 1209 Missing Hours Identified (2.76 Percent)

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

***** WARNING MESSAGES *****
*** NONE ***

*** AERMOD Finishes Successfully ***

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** Lakes Environmental AERMOD MPI
**
*****
**
** AERMOD Input Produced by:
** AERMOD View Ver. 9.1.0
** Lakes Environmental Software Inc.
** Date: 4/20/2016
** File: C:\Lakes\AERMOD View\Puente Hills LFP PAHS\Puente Hills LFP PAHS.ADI
**
*****
**
**
*****
** AERMOD Control Pathway
*****
**
**
CO STARTING
  TITLEONE C:\Lakes\AERMOD View\6351 Puente Hills Landfill Park\6351 Puente Hil
  TITLETWO PAHS
  MODELOPT DFAULT CONC
  AVERTIME 1 ANNUAL
  URBANOPT 9862049 Los_Angeles_County
  POLLUTID PAHS
  RUNORNOT RUN
  ERRORFIL "Puente Hills LFP PAHS.err"
CO FINISHED
**
*****
** AERMOD Source Pathway
*****
**
**
SO STARTING
** Source Location **
** Source ID - Type - X Coord. - Y Coord. **
LOCATION FLARE1 POINT 405412.404 3765266.480 181.580
** DESCRSRC Flares (24 total)
LOCATION FLARE2 POINT 405417.595 3765268.614 181.640
** DESCRSRC Flares (24 total)
LOCATION FLARE3 POINT 405415.440 3765263.023 181.620
** DESCRSRC Flares (24 total)
LOCATION FLARE4 POINT 405420.770 3765264.143 181.690
** DESCRSRC Flares (24 total)
LOCATION FLARE5 POINT 405417.256 3765258.874 181.640
** DESCRSRC Flares (24 total)
LOCATION FLARE6 POINT 405423.409 3765260.689 181.720
** DESCRSRC Flares (24 total)
LOCATION FLARE7 POINT 405418.220 3765254.700 181.650
** DESCRSRC Flares (24 total)

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LOCATION	FLARE8	POINT	405426.799	3765256.850	181.770
** DESCRSRC	Flares (24 total)				
LOCATION	FLARE9	POINT	405420.223	3765250.883	181.680
** DESCRSRC	Flares (24 total)				
LOCATION	FLARE10	POINT	405429.052	3765252.454	181.800
** DESCRSRC	Flares (24 total)				
LOCATION	FLARE11	POINT	405423.375	3765246.684	181.720
** DESCRSRC	Flares (24 total)				
LOCATION	FLARE12	POINT	405431.589	3765249.405	181.830
** DESCRSRC	Flares (24 total)				
LOCATION	FLARE13	POINT	405427.483	3765241.984	181.780
** DESCRSRC	Flares (24 total)				
LOCATION	FLARE14	POINT	405433.797	3765244.836	181.860
** DESCRSRC	Flares (24 total)				
LOCATION	FLARE15	POINT	405430.394	3765236.806	181.820
** DESCRSRC	Flares (24 total)				
LOCATION	FLARE16	POINT	405436.611	3765241.272	181.900
** DESCRSRC	Flares (24 total)				
LOCATION	FLARE17	POINT	405433.570	3765232.416	181.860
** DESCRSRC	Flares (24 total)				
LOCATION	FLARE18	POINT	405439.798	3765236.907	181.940
** DESCRSRC	Flares (24 total)				
LOCATION	FLARE19	POINT	405436.746	3765227.834	181.900
** DESCRSRC	Flares (24 total)				
LOCATION	FLARE20	POINT	405442.425	3765233.337	181.970
** DESCRSRC	Flares (24 total)				
LOCATION	FLARE21	POINT	405440.173	3765223.711	181.940
** DESCRSRC	Flares (24 total)				
LOCATION	FLARE22	POINT	405445.453	3765228.464	181.980
** DESCRSRC	Flares (24 total)				
LOCATION	FLARE23	POINT	405442.883	3765219.270	181.980
** DESCRSRC	Flares (24 total)				
LOCATION	FLARE24	POINT	405449.335	3765223.937	181.930
** DESCRSRC	Flares (24 total)				
** Source Parameters **					
SRCPARAM	FLARE1	3.1164E-08	10.226	1088.706	4.245 2.530
SRCPARAM	FLARE2	3.1164E-08	10.226	1088.706	4.245 2.530
SRCPARAM	FLARE3	3.1164E-08	10.226	1088.706	4.245 2.530
SRCPARAM	FLARE4	3.1164E-08	10.226	1088.706	4.245 2.530
SRCPARAM	FLARE5	3.1164E-08	10.226	1088.706	4.245 2.530
SRCPARAM	FLARE6	3.1164E-08	10.226	1088.706	4.245 2.530
SRCPARAM	FLARE7	3.1164E-08	10.226	1088.706	4.245 2.530
SRCPARAM	FLARE8	3.1164E-08	10.226	1088.706	4.245 2.530
SRCPARAM	FLARE9	3.1164E-08	10.226	1088.706	4.245 2.530
SRCPARAM	FLARE10	3.1164E-08	10.226	1088.706	4.245 2.530
SRCPARAM	FLARE11	3.1164E-08	10.226	1088.706	4.245 2.530
SRCPARAM	FLARE12	3.1164E-08	10.226	1088.706	4.245 2.530
SRCPARAM	FLARE13	3.1164E-08	10.226	1088.706	4.245 2.530
SRCPARAM	FLARE14	3.1164E-08	10.226	1088.706	4.245 2.530
SRCPARAM	FLARE15	3.1164E-08	10.226	1088.706	4.245 2.530
SRCPARAM	FLARE16	3.1164E-08	10.226	1088.706	4.245 2.530

SRCPARAM	FLARE17	3.1164E-08	10.226	1088.706	4.245	2.530
SRCPARAM	FLARE18	3.1164E-08	10.226	1088.706	4.245	2.530
SRCPARAM	FLARE19	3.1164E-08	10.226	1088.706	4.245	2.530
SRCPARAM	FLARE20	3.1164E-08	10.226	1088.706	4.245	2.530
SRCPARAM	FLARE21	3.1164E-08	10.226	1088.706	4.245	2.530
SRCPARAM	FLARE22	3.1164E-08	10.226	1088.706	4.245	2.530
SRCPARAM	FLARE23	3.1164E-08	10.226	1088.706	4.245	2.530
SRCPARAM	FLARE24	3.1164E-08	10.226	1088.706	4.245	2.530
URBANSRC	ALL					
SRCGROUP	ALL					

SO FINISHED

**

** AERMOD Receptor Pathway

**

**

RE STARTING

INCLUDED "Puente Hills LFP PAHs.rou"

RE FINISHED

**

** AERMOD Meteorology Pathway

**

**

ME STARTING

SURFFILE "C:\Users\Kate Wilson\Desktop\Met data\pico8.sfc"

PROFFILE "C:\Users\Kate Wilson\Desktop\Met data\pico8.PFL"

SURFDATA 0 2008

UAIRDATA 3190 2008

SITEDATA 99999 2008

PROFBASE 58.0 METERS

ME FINISHED

**

** AERMOD Output Pathway

**

**

OU STARTING

RECTABLE ALLAVE 1ST

RECTABLE 1 1ST

** Auto-Generated Plotfiles

PLOTFILE 1 ALL 1ST "PUENTE HILLS LFP PAHS.AD\01H1GALL.PLT" 31

PLOTFILE ANNUAL ALL "PUENTE HILLS LFP PAHS.AD\AN00GALL.PLT" 32

SUMMFILE "Puente Hills LFP PAHs.sum"

OU FINISHED

*** SETUP Finishes Successfully ***

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**MODELOPTs: RegDEFAULT CONC ELEV URBAN

*** MODEL SETUP OPTIONS SUMMARY ***

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

-- DEPOSITION LOGIC --

**NO GAS DEPOSITION Data Provided.

**NO PARTICLE DEPOSITION Data Provided.

**Model Uses NO DRY DEPLETION. DRYDPLT = F

**Model Uses NO WET DEPLETION. WETDPLT = F

**Model Uses URBAN Dispersion Algorithm for the SBL for 24 Source(s),
for Total of 1 Urban Area(s):
Urban Population = 9862049.0 ; Urban Roughness Length = 1.000 m

**Model Uses Regulatory DEFAULT Options:

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

**Other Options Specified:

TEMP_Sub - Meteorological data includes TEMP substitutions

**Model Assumes No FLAGPOLE Receptor Heights.

**The User Specified a Pollutant Type of: PAHS

**Model Calculates 1 Short Term Average(s) of: 1-HR
and Calculates ANNUAL Averages

**This Run Includes: 24 Source(s); 1 Source Group(s); and 452 Receptor(s)

with: 24 POINT(s), including
0 POINTCAP(s) and 0 POINTHOR(s)
and: 0 VOLUME source(s)
and: 0 AREA type source(s)
and: 0 LINE source(s)
and: 0 OPENPIT source(s)

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

**The AERMET Input Meteorological Data Version Date: 14134

**Output Options Selected:

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

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

**Misc. Inputs: Base Elev. for Pot. Temp. Profile (m MSL) = 58.00 ; 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: Puente Hills LFP PAHs.err

**File for Summary of Results: Puente Hills LFP PAHs.sum

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**MODELOPTs: RegDEFAULT CONC ELEV URBAN

*** POINT SOURCE DATA ***

SOURCE ID	NUMBER PART. CATS.	EMISSION RATE (GRAMS/SEC)	X (METERS)	Y (METERS)	BASE ELEV. (METERS)	STACK HEIGHT (METERS)	STACK TEMP. (DEG.K)	STACK EXIT VEL. (M/SEC)	STACK DIAMETER (METERS)	BLDG EXISTS	URBAN SOURCE	CAP/ HOR	EMIS RATE SCALAR VARY BY
FLARE1	0	0.31164E-07	405412.4	3765266.5	181.6	10.23	1088.71	4.25	2.53	NO	YES	NO	
FLARE2	0	0.31164E-07	405417.6	3765268.6	181.6	10.23	1088.71	4.25	2.53	NO	YES	NO	
FLARE3	0	0.31164E-07	405415.4	3765263.0	181.6	10.23	1088.71	4.25	2.53	NO	YES	NO	
FLARE4	0	0.31164E-07	405420.8	3765264.1	181.7	10.23	1088.71	4.25	2.53	NO	YES	NO	
FLARE5	0	0.31164E-07	405417.3	3765258.9	181.6	10.23	1088.71	4.25	2.53	NO	YES	NO	
FLARE6	0	0.31164E-07	405423.4	3765260.7	181.7	10.23	1088.71	4.25	2.53	NO	YES	NO	
FLARE7	0	0.31164E-07	405418.2	3765254.7	181.7	10.23	1088.71	4.25	2.53	NO	YES	NO	
FLARE8	0	0.31164E-07	405426.8	3765256.8	181.8	10.23	1088.71	4.25	2.53	NO	YES	NO	
FLARE9	0	0.31164E-07	405420.2	3765250.9	181.7	10.23	1088.71	4.25	2.53	NO	YES	NO	
FLARE10	0	0.31164E-07	405429.1	3765252.5	181.8	10.23	1088.71	4.25	2.53	NO	YES	NO	
FLARE11	0	0.31164E-07	405423.4	3765246.7	181.7	10.23	1088.71	4.25	2.53	NO	YES	NO	
FLARE12	0	0.31164E-07	405431.6	3765249.4	181.8	10.23	1088.71	4.25	2.53	NO	YES	NO	
FLARE13	0	0.31164E-07	405427.5	3765242.0	181.8	10.23	1088.71	4.25	2.53	NO	YES	NO	
FLARE14	0	0.31164E-07	405433.8	3765244.8	181.9	10.23	1088.71	4.25	2.53	NO	YES	NO	
FLARE15	0	0.31164E-07	405430.4	3765236.8	181.8	10.23	1088.71	4.25	2.53	NO	YES	NO	

FLARE16	0	0.31164E-07	405436.6	3765241.3	181.9	10.23	1088.71	4.25	2.53	NO	YES	NO
FLARE17	0	0.31164E-07	405433.6	3765232.4	181.9	10.23	1088.71	4.25	2.53	NO	YES	NO
FLARE18	0	0.31164E-07	405439.8	3765236.9	181.9	10.23	1088.71	4.25	2.53	NO	YES	NO
FLARE19	0	0.31164E-07	405436.7	3765227.8	181.9	10.23	1088.71	4.25	2.53	NO	YES	NO
FLARE20	0	0.31164E-07	405442.4	3765233.3	182.0	10.23	1088.71	4.25	2.53	NO	YES	NO
FLARE21	0	0.31164E-07	405440.2	3765223.7	181.9	10.23	1088.71	4.25	2.53	NO	YES	NO
FLARE22	0	0.31164E-07	405445.5	3765228.5	182.0	10.23	1088.71	4.25	2.53	NO	YES	NO
FLARE23	0	0.31164E-07	405442.9	3765219.3	182.0	10.23	1088.71	4.25	2.53	NO	YES	NO
FLARE24	0	0.31164E-07	405449.3	3765223.9	181.9	10.23	1088.71	4.25	2.53	NO	YES	NO

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**MODELOPTs: RegDFAULT CONC ELEV URBAN

*** SOURCE IDs DEFINING SOURCE GROUPS ***

SRCGROUP ID	SOURCE IDs															
-----	-----															
ALL	FLARE1	,	FLARE2	,	FLARE3	,	FLARE4	,	FLARE5	,	FLARE6	,	FLARE7	,	FLARE8	,
	FLARE9	,	FLARE10	,	FLARE11	,	FLARE12	,	FLARE13	,	FLARE14	,	FLARE15	,	FLARE16	,
	FLARE17	,	FLARE18	,	FLARE19	,	FLARE20	,	FLARE21	,	FLARE22	,	FLARE23	,	FLARE24	,

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**MODELOPTs: RegDFAULT CONC ELEV URBAN

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

URBAN ID	URBAN POP	SOURCE IDs															
-----	-----	-----															
FLARE8	9862049.	FLARE1	,	FLARE2	,	FLARE3	,	FLARE4	,	FLARE5	,	FLARE6	,	FLARE7	,		
		FLARE9	,	FLARE10	,	FLARE11	,	FLARE12	,	FLARE13	,	FLARE14	,	FLARE15	,	FLARE16	,
		FLARE17	,	FLARE18	,	FLARE19	,	FLARE20	,	FLARE21	,	FLARE22	,	FLARE23	,	FLARE24	,

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**MODELOPTs: RegDFAULT CONC ELEV URBAN

*** GRIDDED RECEPTOR NETWORK SUMMARY ***

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

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

404717.5, 404876.5, 405035.6, 405194.7, 405353.7, 405512.8, 405671.9, 405831.0, 405990.0, 406149.1,
406308.2, 406467.2, 406626.3, 406785.4, 406944.4, 407103.5, 407262.6, 407421.7, 407580.7, 407739.8,
407898.9,

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

3763920.0, 3764017.2, 3764114.3, 3764211.4, 3764308.6, 3764405.7, 3764502.9, 3764600.0, 3764697.1, 3764794.3,
3764891.4, 3764988.6, 3765085.7, 3765182.8, 3765280.0, 3765377.1, 3765474.3, 3765571.4, 3765668.5, 3765765.7,
3765862.8,

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**MODELOPTs: RegDFAULT CONC ELEV URBAN

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

* ELEVATION HEIGHTS IN METERS *

Y-COORD (METERS)	X-COORD (METERS)								
	404717.46	404876.53	405035.60	405194.67	405353.74	405512.81	405671.88	405830.95	405990.02
3765862.83	85.20	86.70	88.10	89.80	90.80	91.00	95.30	97.70	97.60
3765765.69	88.00	89.30	91.00	94.80	98.90	99.40	104.00	109.00	109.90
3765668.55	92.90	93.50	102.50	106.30	109.10	108.80	113.00	121.00	120.80
3765571.41	101.00	106.10	116.80	124.20	124.70	117.00	117.30	124.50	121.10
3765474.27	109.40	115.90	132.00	161.80	163.10	122.70	125.40	130.20	121.80
3765377.13	115.60	122.00	145.70	178.70	180.70	138.00	152.10	139.20	121.20
3765279.99	119.10	127.70	157.90	180.20	181.00	174.60	174.50	156.40	131.80
3765182.85	121.50	136.60	167.70	180.50	181.90	182.10	182.00	174.90	168.00
3765085.71	125.30	146.90	177.00	181.90	185.70	191.60	182.00	182.00	184.20
3764988.57	124.50	139.80	172.30	181.90	194.40	221.20	192.20	190.60	201.00
3764891.43	121.60	127.80	162.80	181.70	210.40	242.30	223.60	216.80	231.60
3764794.29	121.80	132.20	165.00	192.00	229.20	245.50	246.70	242.80	245.30
3764697.15	124.00	142.10	174.70	207.10	240.70	250.90	260.70	268.50	279.10
3764600.01	125.70	140.80	179.10	204.50	233.90	258.20	281.20	295.40	302.00
3764502.87	122.10	125.00	177.00	187.00	218.30	262.80	299.20	303.40	302.80
3764405.73	121.00	144.60	179.30	181.90	211.60	263.90	304.00	303.80	303.90
3764308.59	146.30	164.20	181.70	182.00	220.20	264.90	304.00	303.50	297.60
3764211.45	174.40	180.90	182.00	182.00	229.50	265.30	293.20	290.50	276.00
3764114.31	171.50	170.00	180.40	182.00	228.70	262.60	281.20	272.60	252.30

3764017.17		121.00	151.40	179.00	181.90	232.40	255.60	268.20	257.90	243.50
3763920.03		123.00	148.90	183.50	197.80	241.00	247.10	253.90	250.20	243.70

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**MODELOPTs: RegDEFAULT CONC ELEV URBAN

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

* ELEVATION HEIGHTS IN METERS *

Y-COORD (METERS)				X-COORD (METERS)					
	406149.09	406308.16	406467.23	406626.30	406785.37	406944.44	407103.51	407262.58	407421.65
3765862.83	91.80	88.90	87.90	93.00	98.60	102.20	99.00	97.50	94.70
3765765.69	101.30	95.70	95.00	99.00	108.40	112.80	108.00	105.20	105.70
3765668.55	111.90	109.30	110.60	113.00	126.00	147.00	130.70	131.70	135.30
3765571.41	118.80	121.20	120.30	117.90	133.60	177.80	156.80	158.40	161.60
3765474.27	126.50	144.40	151.70	127.90	164.20	183.80	183.70	183.30	185.80
3765377.13	138.10	167.60	180.80	156.00	177.30	192.30	195.70	197.70	200.80
3765279.99	161.50	182.70	185.20	172.90	188.80	199.00	201.20	209.50	212.90
3765182.85	191.40	193.30	190.10	192.50	202.60	219.30	231.20	250.40	236.10
3765085.71	229.10	207.40	194.10	206.00	216.30	231.40	250.90	256.80	244.90
3764988.57	243.20	225.30	214.60	225.80	226.50	226.20	227.40	232.10	232.10
3764891.43	255.60	246.70	243.80	247.20	236.80	225.50	210.80	214.80	226.80
3764794.29	277.90	279.40	280.10	270.10	251.20	238.70	215.80	203.70	239.10
3764697.15	297.40	300.80	302.60	288.20	261.50	248.70	223.20	195.80	225.90
3764600.01	303.50	304.00	305.10	297.60	265.00	247.90	222.20	190.60	198.40
3764502.87	303.90	303.50	303.50	298.20	262.00	240.50	208.40	185.40	184.50
3764405.73	303.80	302.50	301.00	295.80	257.30	233.20	207.70	179.10	177.00
3764308.59	293.60	300.30	299.40	296.50	262.00	233.10	223.50	184.50	173.70
3764211.45	277.00	295.40	303.20	302.20	278.10	241.70	237.60	209.30	190.90
3764114.31	258.70	290.30	306.90	307.60	289.30	250.60	252.50	235.30	211.20
3764017.17	244.30	289.20	303.10	304.30	294.80	262.20	253.10	244.20	212.60
3763920.03	251.70	287.60	300.70	299.50	297.00	274.70	257.00	234.70	215.20

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**MODELOPTs: RegDEFAULT CONC ELEV URBAN

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

* ELEVATION HEIGHTS IN METERS *

Y-COORD (METERS)				X-COORD (METERS)
	407580.72	407739.79	407898.86	

3765862.83	87.60	83.40	78.20
3765765.69	102.50	97.50	91.70
3765668.55	116.90	112.80	103.10
3765571.41	129.10	121.80	114.90
3765474.27	156.60	146.00	138.50
3765377.13	182.60	174.00	173.40
3765279.99	203.70	197.40	195.90
3765182.85	227.90	226.10	206.00
3765085.71	234.50	231.90	205.50
3764988.57	220.40	210.80	196.60
3764891.43	226.00	212.30	186.50
3764794.29	249.90	238.50	206.80
3764697.15	259.40	252.50	223.70
3764600.01	245.40	248.40	223.70
3764502.87	221.90	229.20	208.80
3764405.73	188.10	194.70	185.80
3764308.59	164.80	160.90	153.60
3764211.45	177.30	166.10	141.70
3764114.31	196.00	186.80	150.60
3764017.17	188.40	181.90	150.80
3763920.03	176.00	164.80	150.40

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**MODELOPTs: RegDFAULT CONC ELEV URBAN

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

* HILL HEIGHT SCALES IN METERS *

Y-COORD (METERS)	404717.46	404876.53	405035.60	405194.67	405353.74	405512.81	405671.88	405830.95	405990.02
3765862.83	306.00	306.00	306.00	307.00	308.00	311.00	311.00	311.00	311.00
3765765.69	306.00	306.00	306.00	308.00	308.00	311.00	311.00	311.00	311.00
3765668.55	306.00	306.00	306.00	307.00	308.00	311.00	311.00	311.00	311.00
3765571.41	306.00	306.00	306.00	306.00	306.00	311.00	311.00	311.00	311.00
3765474.27	306.00	306.00	306.00	305.00	306.00	311.00	311.00	311.00	311.00
3765377.13	306.00	306.00	306.00	304.00	305.00	308.00	308.00	311.00	311.00
3765279.99	306.00	306.00	305.00	304.00	305.00	306.00	306.00	311.00	311.00
3765182.85	306.00	306.00	305.00	305.00	306.00	306.00	306.00	308.00	311.00
3765085.71	306.00	305.00	304.00	305.00	306.00	306.00	307.00	308.00	311.00
3764988.57	306.00	306.00	305.00	305.00	305.00	304.00	306.00	308.00	308.00
3764891.43	306.00	307.00	306.00	305.00	304.00	304.00	306.00	306.00	306.00
3764794.29	306.00	307.00	305.00	305.00	304.00	304.00	304.00	306.00	306.00
3764697.15	307.00	306.00	305.00	304.00	304.00	304.00	304.00	304.00	304.00
3764600.01	307.00	307.00	305.00	304.00	304.00	304.00	304.00	304.00	302.00
3764502.87	308.00	354.00	305.00	305.00	304.00	304.00	304.00	303.40	302.80
3764405.73	349.00	307.00	304.00	305.00	304.00	304.00	304.00	303.80	303.90

3764308.59		304.00	304.00	304.00	305.00	304.00	304.00	304.00	303.50	297.60
3764211.45		304.00	304.00	304.00	307.00	304.00	304.00	304.00	304.00	304.00
3764114.31		304.00	304.00	304.00	307.00	304.00	304.00	304.00	304.00	308.00
3764017.17		354.00	354.00	304.00	354.00	304.00	304.00	304.00	304.00	308.00
3763920.03		354.00	354.00	304.00	304.00	304.00	304.00	304.00	304.00	308.00

*** AERMOD - VERSION 15181 *** *** C:\Lakes\AERMOD View\6351 Puente Hills Landfill Park\6351 Puente Hil *** 04/20/16
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**MODELOPTs: RegDFAULT CONC ELEV URBAN

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

* HILL HEIGHT SCALES IN METERS *

Y-COORD (METERS)		406149.09	406308.16	406467.23	406626.30	406785.37	406944.44	407103.51	407262.58	407421.65
3765862.83		311.00	311.00	311.00	311.00	311.00	311.00	311.00	311.00	311.00
3765765.69		311.00	311.00	311.00	311.00	311.00	311.00	311.00	311.00	311.00
3765668.55		311.00	311.00	311.00	311.00	311.00	311.00	311.00	311.00	311.00
3765571.41		311.00	311.00	311.00	311.00	311.00	306.00	311.00	306.00	306.00
3765474.27		311.00	311.00	311.00	311.00	311.00	306.00	306.00	306.00	267.00
3765377.13		311.00	311.00	306.00	311.00	311.00	306.00	306.00	306.00	267.00
3765279.99		311.00	311.00	311.00	311.00	311.00	306.00	306.00	302.00	263.00
3765182.85		308.00	311.00	311.00	311.00	306.00	306.00	263.00	263.00	263.00
3765085.71		306.00	306.00	311.00	311.00	306.00	306.00	259.00	263.00	263.00
3764988.57		306.00	306.00	311.00	306.00	306.00	306.00	306.00	263.00	267.00
3764891.43		306.00	306.00	306.00	306.00	306.00	311.00	311.00	311.00	267.00
3764794.29		305.00	306.00	306.00	306.00	306.00	306.00	311.00	311.00	267.00
3764697.15		303.00	300.80	302.60	306.00	306.00	306.00	311.00	311.00	267.00
3764600.01		303.50	304.00	305.10	306.00	306.00	311.00	311.00	311.00	311.00
3764502.87		303.90	303.50	303.50	306.00	311.00	311.00	311.00	311.00	311.00
3764405.73		303.80	302.50	301.00	304.00	311.00	311.00	311.00	354.00	354.00
3764308.59		304.00	300.30	299.40	296.50	311.00	311.00	311.00	354.00	354.00
3764211.45		304.00	295.40	303.20	302.20	311.00	311.00	311.00	345.00	354.00
3764114.31		308.00	307.00	306.90	307.60	311.00	311.00	311.00	311.00	345.00
3764017.17		311.00	307.00	303.10	304.30	311.00	311.00	311.00	311.00	354.00
3763920.03		309.00	304.00	300.70	299.50	297.00	311.00	311.00	345.00	354.00

*** AERMOD - VERSION 15181 *** *** C:\Lakes\AERMOD View\6351 Puente Hills Landfill Park\6351 Puente Hil *** 04/20/16
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**MODELOPTs: RegDFAULT CONC ELEV URBAN

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

* HILL HEIGHT SCALES IN METERS *

Y-COORD		X-COORD (METERS)

(METERS)	407580.72	407739.79	407898.86
3765862.83	311.00	311.00	311.00
3765765.69	311.00	311.00	311.00
3765668.55	311.00	311.00	311.00
3765571.41	311.00	311.00	311.00
3765474.27	306.00	306.00	306.00
3765377.13	267.00	267.00	267.00
3765279.99	267.00	267.00	267.00
3765182.85	263.00	240.00	267.00
3765085.71	238.00	240.00	267.00
3764988.57	267.00	267.00	267.00
3764891.43	267.00	267.00	267.00
3764794.29	267.00	267.00	267.00
3764697.15	267.00	265.00	267.00
3764600.01	267.00	265.00	267.00
3764502.87	267.00	267.00	267.00
3764405.73	345.00	311.00	343.00
3764308.59	354.00	354.00	354.00
3764211.45	354.00	354.00	354.00
3764114.31	352.00	352.00	354.00
3764017.17	354.00	354.00	354.00
3763920.03	354.00	354.00	354.00

*** AERMOD - VERSION 15181 *** *** C:\Lakes\AERMOD View\6351 Puente Hills Landfill Park\6351 Puente Hil *** 04/20/16
 *** AERMET - VERSION 14134 *** *** PAHs *** 17:16:28
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**MODELOPTs: RegDEFAULT CONC ELEV URBAN

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

(405475.9, 3765283.3,	178.5,	306.0,	0.0);	(405487.3, 3765227.6,	181.1,	306.0,	0.0);
(405496.8, 3765177.1,	182.5,	306.0,	0.0);	(405361.1, 3765124.2,	183.8,	306.0,	0.0);
(405556.6, 3765179.2,	182.0,	306.0,	0.0);	(405517.0, 3765024.9,	207.2,	305.0,	0.0);
(405795.3, 3765005.2,	188.0,	308.0,	0.0);	(406083.9, 3765241.0,	155.0,	311.0,	0.0);
(406158.4, 3764974.0,	244.3,	306.0,	0.0);	(405659.6, 3764787.4,	247.3,	304.0,	0.0);
(405927.5, 3765602.5,	122.2,	311.0,	0.0);				

*** AERMOD - VERSION 15181 *** *** C:\Lakes\AERMOD View\6351 Puente Hills Landfill Park\6351 Puente Hil *** 04/20/16
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**MODELOPTs: RegDEFAULT CONC ELEV URBAN

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

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

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

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
08	01	01	1	01	-999.0	-9.000	-9.000	-9.000	-999.	-999.	-99999.0	0.34	1.00	1.00	999.00	999.	-9.0	285.4	5.5			
08	01	01	1	02	-999.0	-9.000	-9.000	-9.000	-999.	-999.	-99999.0	0.34	1.00	1.00	999.00	999.	-9.0	284.2	5.5			
08	01	01	1	03	-999.0	-9.000	-9.000	-9.000	-999.	-999.	-99999.0	0.34	1.00	1.00	999.00	999.	-9.0	283.8	5.5			
08	01	01	1	04	-999.0	-9.000	-9.000	-9.000	-999.	-999.	-99999.0	0.34	1.00	1.00	999.00	999.	-9.0	284.2	5.5			
08	01	01	1	05	-999.0	-9.000	-9.000	-9.000	-999.	-999.	-99999.0	0.34	1.00	1.00	999.00	999.	-9.0	284.9	5.5			
08	01	01	1	06	-999.0	-9.000	-9.000	-9.000	-999.	-999.	-99999.0	0.34	1.00	1.00	999.00	999.	-9.0	285.4	5.5			
08	01	01	1	07	-999.0	-9.000	-9.000	-9.000	-999.	-999.	-99999.0	0.34	1.00	1.00	999.00	999.	-9.0	285.9	5.5			
08	01	01	1	08	-999.0	-9.000	-9.000	-9.000	-999.	-999.	-99999.0	0.34	1.00	0.54	999.00	999.	-9.0	286.4	5.5			
08	01	01	1	09	28.6	-9.000	-9.000	-9.000	61.	-999.	-99999.0	0.34	1.00	0.32	999.00	999.	-9.0	287.0	5.5			
08	01	01	1	10	83.5	-9.000	-9.000	-9.000	164.	-999.	-99999.0	0.34	1.00	0.24	999.00	999.	-9.0	289.2	5.5			
08	01	01	1	11	131.2	-9.000	-9.000	-9.000	427.	-999.	-99999.0	0.34	1.00	0.21	999.00	999.	-9.0	292.5	5.5			
08	01	01	1	12	130.6	-9.000	-9.000	-9.000	620.	-999.	-99999.0	0.34	1.00	0.20	999.00	999.	-9.0	294.2	5.5			
08	01	01	1	13	112.1	-9.000	-9.000	-9.000	723.	-999.	-99999.0	0.34	1.00	0.20	999.00	999.	-9.0	294.9	5.5			
08	01	01	1	14	86.7	-9.000	-9.000	-9.000	762.	-999.	-99999.0	0.34	1.00	0.21	999.00	999.	-9.0	294.9	5.5			
08	01	01	1	15	37.3	-9.000	-9.000	-9.000	778.	-999.	-99999.0	0.34	1.00	0.25	999.00	999.	-9.0	294.2	5.5			
08	01	01	1	16	12.7	-9.000	-9.000	-9.000	783.	-999.	-99999.0	0.34	1.00	0.33	999.00	999.	-9.0	293.8	5.5			
08	01	01	1	17	-999.0	-9.000	-9.000	-9.000	-999.	-999.	-99999.0	0.34	1.00	0.60	999.00	999.	-9.0	292.5	5.5			

3764308.59		0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000
3764211.45		0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000
3764114.31		0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000
3764017.17		0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000
3763920.03		0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000

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*** AERMOD - VERSION 15181 ***   *** C:\Lakes\AERMOD View\6351 Puente Hills Landfill Park\6351 Puente Hil ***   04/20/16
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**MODELOPTs: RegDFAULT CONC ELEV URBAN

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*** THE ANNUAL AVERAGE CONCENTRATION VALUES AVERAGED OVER 5 YEARS FOR SOURCE GROUP: ALL ***
      INCLUDING SOURCE(S):  FLARE1 , FLARE2 , FLARE3 , FLARE4 , FLARE5 ,
FLARE6 , FLARE7 , FLARE8 , FLARE9 , FLARE10 , FLARE11 , FLARE12 , FLARE13 ,
FLARE14 , FLARE15 , FLARE16 , FLARE17 , FLARE18 , FLARE19 , FLARE20 , FLARE21 ,
FLARE22 , FLARE23 , FLARE24 ,

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

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

Y-COORD (METERS)				X-COORD (METERS)						
	406149.09	406308.16	406467.23	406626.30	406785.37	406944.44	407103.51	407262.58	407421.65	
3765862.83		0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000
3765765.69		0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000
3765668.55		0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000
3765571.41		0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000
3765474.27		0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000
3765377.13		0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000
3765279.99		0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000
3765182.85		0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000
3765085.71		0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000
3764988.57		0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000
3764891.43		0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000
3764794.29		0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000
3764697.15		0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000
3764600.01		0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000
3764502.87		0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000
3764405.73		0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000
3764308.59		0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000
3764211.45		0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000
3764114.31		0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000
3764017.17		0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000
3763920.03		0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000

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*** AERMOD - VERSION 15181 ***   *** C:\Lakes\AERMOD View\6351 Puente Hills Landfill Park\6351 Puente Hil ***   04/20/16
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**MODELOPTs: RegDFAULT CONC ELEV URBAN

*** THE ANNUAL AVERAGE CONCENTRATION VALUES AVERAGED OVER 5 YEARS FOR SOURCE GROUP: ALL ***
 INCLUDING SOURCE(S): FLARE1 , FLARE2 , FLARE3 , FLARE4 , FLARE5 ,
 FLARE6 , FLARE7 , FLARE8 , FLARE9 , FLARE10 , FLARE11 , FLARE12 , FLARE13 ,
 FLARE14 , FLARE15 , FLARE16 , FLARE17 , FLARE18 , FLARE19 , FLARE20 , FLARE21 ,
 FLARE22 , FLARE23 , FLARE24 ,

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

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

Y-COORD (METERS)	407580.72	407739.79	407898.86	X-COORD (METERS)
3765862.83	0.00000	0.00000	0.00000	
3765765.69	0.00000	0.00000	0.00000	
3765668.55	0.00000	0.00000	0.00000	
3765571.41	0.00000	0.00000	0.00000	
3765474.27	0.00000	0.00000	0.00000	
3765377.13	0.00000	0.00000	0.00000	
3765279.99	0.00000	0.00000	0.00000	
3765182.85	0.00000	0.00000	0.00000	
3765085.71	0.00000	0.00000	0.00000	
3764988.57	0.00000	0.00000	0.00000	
3764891.43	0.00000	0.00000	0.00000	
3764794.29	0.00000	0.00000	0.00000	
3764697.15	0.00000	0.00000	0.00000	
3764600.01	0.00000	0.00000	0.00000	
3764502.87	0.00000	0.00000	0.00000	
3764405.73	0.00000	0.00000	0.00000	
3764308.59	0.00000	0.00000	0.00000	
3764211.45	0.00000	0.00000	0.00000	
3764114.31	0.00000	0.00000	0.00000	
3764017.17	0.00000	0.00000	0.00000	
3763920.03	0.00000	0.00000	0.00000	

*** AERMOD - VERSION 15181 *** C:\Lakes\AERMOD View\6351 Puente Hills Landfill Park\6351 Puente Hil *** 04/20/16
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 **MODELOPTs: RegDEFAULT CONC ELEV URBAN PAGE 18

*** THE ANNUAL AVERAGE CONCENTRATION VALUES AVERAGED OVER 5 YEARS FOR SOURCE GROUP: ALL ***
 INCLUDING SOURCE(S): FLARE1 , FLARE2 , FLARE3 , FLARE4 , FLARE5 ,
 FLARE6 , FLARE7 , FLARE8 , FLARE9 , FLARE10 , FLARE11 , FLARE12 , FLARE13 ,
 FLARE14 , FLARE15 , FLARE16 , FLARE17 , FLARE18 , FLARE19 , FLARE20 , FLARE21 ,
 FLARE22 , FLARE23 , FLARE24 ,

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

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

**

X-COORD (M)	Y-COORD (M)	CONC	X-COORD (M)	Y-COORD (M)	CONC
405475.87	3765283.33	0.00000	405487.28	3765227.63	0.00000
405496.83	3765177.10	0.00000	405361.06	3765124.16	0.00000
405556.64	3765179.21	0.00000	405516.99	3765024.87	0.00000
405795.26	3765005.20	0.00000	406083.86	3765241.01	0.00000
406158.41	3764974.02	0.00000	405659.63	3764787.39	0.00000
405927.52	3765602.51	0.00000			

*** AERMOD - VERSION 15181 *** C:\Lakes\AERMOD View\6351 Puente Hills Landfill Park\6351 Puente Hil *** 04/20/16
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**MODELOPTs: RegDEFAULT CONC ELEV URBAN

*** THE 1ST HIGHEST 1-HR AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: ALL ***
 INCLUDING SOURCE(S): FLARE1 , FLARE2 , FLARE3 , FLARE4 , FLARE5 ,
 FLARE6 , FLARE7 , FLARE8 , FLARE9 , FLARE10 , FLARE11 , FLARE12 , FLARE13 ,
 FLARE14 , FLARE15 , FLARE16 , FLARE17 , FLARE18 , FLARE19 , FLARE20 , FLARE21 ,
 FLARE22 , FLARE23 , FLARE24 ,

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

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

**

Y-COORD (METERS)	404717.46	404876.53	X-COORD (METERS) 405035.60	405194.67	405353.74
3765862.8	0.00000 (08010421)	0.00000 (08010422)	0.00000 (08012705)	0.00000 (10122017)	0.00000 (08010501)
3765765.7	0.00000 (08010421)	0.00000 (08010421)	0.00000 (08010422)	0.00000 (10122017)	0.00000 (08010501)
3765668.5	0.00000 (08010421)	0.00000 (08010421)	0.00000 (08010422)	0.00000 (08010423)	0.00001 (08010501)
3765571.4	0.00000 (08012421)	0.00000 (08010421)	0.00000 (08010421)	0.00001 (08010422)	0.00001 (08010501)
3765474.3	0.00000 (12041104)	0.00000 (08012421)	0.00000 (08010421)	0.00001 (08010422)	0.00001 (08010424)
3765377.1	0.00000 (11032018)	0.00000 (11032018)	0.00000 (12042514)	0.00001 (10100512)	0.00002 (08010424)
3765280.0	0.00000 (11032018)	0.00000 (11032018)	0.00000 (11032018)	0.00001 (10102712)	0.00001 (08101709)
3765182.8	0.00000 (11032018)	0.00000 (11032018)	0.00000 (08022207)	0.00001 (11120103)	0.00002 (11120103)
3765085.7	0.00000 (08022207)	0.00000 (08022207)	0.00001 (11120103)	0.00001 (08012701)	0.00001 (08010701)
3764988.6	0.00000 (08022207)	0.00000 (08022207)	0.00001 (08012701)	0.00001 (08012620)	0.00000 (08010701)
3764891.4	0.00000 (08022207)	0.00000 (08012620)	0.00000 (08012620)	0.00001 (08010701)	0.00001 (09060302)
3764794.3	0.00000 (08012624)	0.00000 (08012624)	0.00000 (08112604)	0.00001 (08010701)	0.00000 (09060302)
3764697.1	0.00000 (08012624)	0.00000 (08012619)	0.00000 (08022206)	0.00000 (08010623)	0.00000 (10120518)
3764600.0	0.00000 (08012624)	0.00000 (08112604)	0.00000 (08022206)	0.00000 (09060302)	0.00000 (09060302)
3764502.9	0.00000 (08022323)	0.00000 (12030705)	0.00000 (08022206)	0.00000 (09060302)	0.00000 (09060302)
3764405.7	0.00000 (12030705)	0.00000 (08022206)	0.00000 (08010623)	0.00000 (09060302)	0.00000 (09060302)
3764308.6	0.00000 (12030705)	0.00000 (08010623)	0.00000 (08010623)	0.00000 (09060302)	0.00000 (09060302)
3764211.4	0.00000 (12030705)	0.00000 (08010623)	0.00000 (09060302)	0.00000 (09060302)	0.00000 (09060302)
3764114.3	0.00000 (08010623)	0.00000 (08010623)	0.00000 (09060302)	0.00000 (09060302)	0.00000 (09060302)

3764017.2		0.00000 (08010623)	0.00000 (08010623)	0.00000 (09060302)	0.00000 (09060302)	0.00000 (09060302)
3763920.0		0.00000 (08010623)	0.00000 (08010623)	0.00000 (09060302)	0.00000 (09060302)	0.00000 (09060302)

*** AERMOD - VERSION 15181 ***	*** C:\Lakes\AERMOD View\6351 Puente Hills Landfill Park\6351 Puente Hil ***	04/20/16
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**MODELOPTs: RegDEFAULT CONC ELEV URBAN

*** THE 1ST HIGHEST 1-HR AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: ALL ***
INCLUDING SOURCE(S): FLARE1 , FLARE2 , FLARE3 , FLARE4 , FLARE5 ,
FLARE6 , FLARE7 , FLARE8 , FLARE9 , FLARE10 , FLARE11 , FLARE12 , FLARE13 ,
FLARE14 , FLARE15 , FLARE16 , FLARE17 , FLARE18 , FLARE19 , FLARE20 , FLARE21 ,
FLARE22 , FLARE23 , FLARE24 ,

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

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

Y-COORD (METERS)	405512.81	405671.88	X-COORD (METERS) 405830.95	405990.02	406149.09	
3765862.8		0.00000 (10033118)	0.00000 (10042118)	0.00000 (11102318)	0.00000 (12041318)	0.00000 (12090919)
3765765.7		0.00000 (10033118)	0.00000 (10042118)	0.00000 (08020318)	0.00000 (12090919)	0.00000 (12090919)
3765668.5		0.00000 (10033118)	0.00000 (10042118)	0.00000 (12041318)	0.00000 (12090919)	0.00000 (12031819)
3765571.4		0.00001 (10042118)	0.00000 (10042118)	0.00000 (12090919)	0.00000 (12031818)	0.00000 (12031818)
3765474.3		0.00001 (10042118)	0.00000 (12121813)	0.00000 (12031818)	0.00000 (12031818)	0.00000 (12031818)
3765377.1		0.00001 (08052114)	0.00000 (12031815)	0.00000 (12031818)	0.00000 (12031818)	0.00000 (10123010)
3765280.0		0.00001 (12012113)	0.00001 (12111014)	0.00000 (12111014)	0.00000 (10122923)	0.00000 (10122923)
3765182.8		0.00001 (09022810)	0.00001 (10122923)	0.00000 (10122923)	0.00000 (10122923)	0.00000 (10122923)
3765085.7		0.00001 (09011809)	0.00000 (10112810)	0.00000 (10122923)	0.00000 (10122923)	0.00000 (10122923)
3764988.6		0.00001 (09011808)	0.00000 (11111008)	0.00000 (09102718)	0.00000 (10122923)	0.00000 (11030721)
3764891.4		0.00000 (10010903)	0.00000 (12121819)	0.00000 (09102718)	0.00000 (09102718)	0.00000 (10120102)
3764794.3		0.00000 (10010903)	0.00000 (10110404)	0.00000 (12121818)	0.00000 (09102718)	0.00000 (08122103)
3764697.1		0.00000 (10010903)	0.00000 (09011807)	0.00000 (08122803)	0.00000 (09012705)	0.00000 (10011108)
3764600.0		0.00000 (08011224)	0.00000 (09040502)	0.00000 (11022802)	0.00000 (08112603)	0.00000 (09030706)
3764502.9		0.00000 (08011224)	0.00000 (12101721)	0.00000 (10111323)	0.00000 (09011022)	0.00000 (10110523)
3764405.7		0.00000 (08011224)	0.00000 (08121022)	0.00000 (10121119)	0.00000 (12101501)	0.00000 (08112603)
3764308.6		0.00000 (08011224)	0.00000 (12010208)	0.00000 (08100624)	0.00000 (08011420)	0.00000 (10123101)
3764211.4		0.00000 (08011224)	0.00000 (08032304)	0.00000 (09040502)	0.00000 (08122803)	0.00000 (10030504)
3764114.3		0.00000 (08011224)	0.00000 (09011423)	0.00000 (10111204)	0.00000 (10110404)	0.00000 (08121003)
3764017.2		0.00000 (11012704)	0.00000 (09011423)	0.00000 (10111204)	0.00000 (09011808)	0.00000 (09011808)
3763920.0		0.00000 (11012704)	0.00000 (09011423)	0.00000 (10123106)	0.00000 (09011808)	0.00000 (09011808)

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**MODELOPTs: RegDEFAULT CONC ELEV URBAN

*** THE 1ST HIGHEST 1-HR AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: ALL ***
INCLUDING SOURCE(S): FLARE1 , FLARE2 , FLARE3 , FLARE4 , FLARE5 ,

FLARE6 , FLARE7 , FLARE8 , FLARE9 , FLARE10 , FLARE11 , FLARE12 , FLARE13 ,
FLARE14 , FLARE15 , FLARE16 , FLARE17 , FLARE18 , FLARE19 , FLARE20 , FLARE21 ,
FLARE22 , FLARE23 , FLARE24 ,

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

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

**

Y-COORD (METERS)	406308.16	406467.23	X-COORD (METERS) 406626.30	406785.37	406944.44
3765862.8	0.00000 (12031819)	0.00000 (12031819)	0.00000 (12031819)	0.00000 (10102806)	0.00000 (10102806)
3765765.7	0.00000 (12031819)	0.00000 (12031819)	0.00000 (10102806)	0.00000 (10102806)	0.00000 (10102806)
3765668.5	0.00000 (12031818)	0.00000 (12031818)	0.00000 (10102806)	0.00000 (10102806)	0.00000 (10102806)
3765571.4	0.00000 (12031818)	0.00000 (10102806)	0.00000 (10102806)	0.00000 (10102806)	0.00000 (10102806)
3765474.3	0.00000 (10102806)	0.00000 (10102806)	0.00000 (10102806)	0.00000 (10110817)	0.00000 (10110817)
3765377.1	0.00000 (10110817)	0.00000 (10110817)	0.00000 (10110817)	0.00000 (10110817)	0.00000 (10110817)
3765280.0	0.00000 (10122923)	0.00000 (10110817)	0.00000 (10110817)	0.00000 (10110817)	0.00000 (10110817)
3765182.8	0.00000 (10122923)	0.00000 (10122923)	0.00000 (10122923)	0.00000 (10122923)	0.00000 (10110817)
3765085.7	0.00000 (10122923)	0.00000 (10122923)	0.00000 (10122923)	0.00000 (10122923)	0.00000 (11030722)
3764988.6	0.00000 (10122923)	0.00000 (10122923)	0.00000 (10122923)	0.00000 (10122923)	0.00000 (10122923)
3764891.4	0.00000 (09102717)	0.00000 (11030721)	0.00000 (08052119)	0.00000 (08052119)	0.00000 (10122923)
3764794.3	0.00000 (10113005)	0.00000 (08122002)	0.00000 (10012307)	0.00000 (11030721)	0.00000 (08052119)
3764697.1	0.00000 (08042801)	0.00000 (10102719)	0.00000 (12030702)	0.00000 (08122002)	0.00000 (11030721)
3764600.0	0.00000 (10011108)	0.00000 (08042801)	0.00000 (10102719)	0.00000 (10113005)	0.00000 (09102717)
3764502.9	0.00000 (09070623)	0.00000 (09092905)	0.00000 (08042801)	0.00000 (11022803)	0.00000 (09102721)
3764405.7	0.00000 (08112807)	0.00000 (09070623)	0.00000 (09092905)	0.00000 (08122103)	0.00000 (09102721)
3764308.6	0.00000 (10110523)	0.00000 (09030706)	0.00000 (09111106)	0.00000 (08012607)	0.00000 (09102721)
3764211.4	0.00000 (08112603)	0.00000 (09122001)	0.00000 (08031106)	0.00000 (11021806)	0.00000 (09102718)
3764114.3	0.00000 (08122001)	0.00000 (08112107)	0.00000 (08112807)	0.00000 (08122101)	0.00000 (09102718)
3764017.2	0.00000 (08122803)	0.00000 (08111406)	0.00000 (10110523)	0.00000 (08013106)	0.00000 (08122101)
3763920.0	0.00000 (09121606)	0.00000 (08122708)	0.00000 (09030206)	0.00000 (08112807)	0.00000 (08013106)

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**MODELOPTs: RegDEFAULT CONC ELEV URBAN

*** THE 1ST HIGHEST 1-HR AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: ALL ***
INCLUDING SOURCE(S): FLARE1 , FLARE2 , FLARE3 , FLARE4 , FLARE5 ,
FLARE6 , FLARE7 , FLARE8 , FLARE9 , FLARE10 , FLARE11 , FLARE12 , FLARE13 ,
FLARE14 , FLARE15 , FLARE16 , FLARE17 , FLARE18 , FLARE19 , FLARE20 , FLARE21 ,
FLARE22 , FLARE23 , FLARE24 ,

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

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

**

Y-COORD (METERS)	407103.51	407262.58	X-COORD (METERS) 407421.65	407580.72	407739.79

3765862.8	0.00000	(10102806)	0.00000	(10102806)	0.00000	(10102806)	0.00000	(10102806)	0.00000	(10102806)
3765765.7	0.00000	(10102806)	0.00000	(10102806)	0.00000	(10102806)	0.00000	(10102806)	0.00000	(12081020)
3765668.5	0.00000	(10102806)	0.00000	(10102806)	0.00000	(10102806)	0.00000	(10110817)	0.00000	(10110817)
3765571.4	0.00000	(10110817)	0.00000	(10110817)	0.00000	(10110817)	0.00000	(10110817)	0.00000	(10110817)
3765474.3	0.00000	(10110817)	0.00000	(10110817)	0.00000	(10110817)	0.00000	(10110817)	0.00000	(10110817)
3765377.1	0.00000	(10110817)	0.00000	(10110817)	0.00000	(10110817)	0.00000	(10110817)	0.00000	(10110817)
3765280.0	0.00000	(10110817)	0.00000	(10110817)	0.00000	(10110817)	0.00000	(10110817)	0.00000	(10110817)
3765182.8	0.00000	(10110817)	0.00000	(10110817)	0.00000	(10110817)	0.00000	(10110817)	0.00000	(10110817)
3765085.7	0.00000	(11030722)	0.00000	(09113004)	0.00000	(11030722)	0.00000	(11030722)	0.00000	(11030722)
3764988.6	0.00000	(10122923)	0.00000	(11030722)	0.00000	(11030722)	0.00000	(11030722)	0.00000	(11030722)
3764891.4	0.00000	(10122923)	0.00000	(10122923)	0.00000	(10122923)	0.00000	(12121821)	0.00000	(11030722)
3764794.3	0.00000	(10122923)	0.00000	(10122923)	0.00000	(08052119)	0.00000	(12121821)	0.00000	(12121821)
3764697.1	0.00000	(08052119)	0.00000	(08052119)	0.00000	(08052119)	0.00000	(08011406)	0.00000	(08052119)
3764600.0	0.00000	(08052119)	0.00000	(08052119)	0.00000	(08052119)	0.00000	(11030721)	0.00000	(08052119)
3764502.9	0.00000	(08052119)	0.00000	(08052119)	0.00000	(08052119)	0.00000	(08052119)	0.00000	(11030721)
3764405.7	0.00000	(09102721)	0.00000	(09102721)	0.00000	(08052119)	0.00000	(11030721)	0.00000	(08052119)
3764308.6	0.00000	(09102721)	0.00000	(09102721)	0.00000	(09102721)	0.00000	(09102721)	0.00000	(11030721)
3764211.4	0.00000	(09102721)	0.00000	(09102721)	0.00000	(09102721)	0.00000	(09102721)	0.00000	(09102721)
3764114.3	0.00000	(09102718)	0.00000	(09102721)	0.00000	(09102721)	0.00000	(09102721)	0.00000	(09102721)
3764017.2	0.00000	(09102718)	0.00000	(09102718)	0.00000	(09102721)	0.00000	(09102721)	0.00000	(09102721)
3763920.0	0.00000	(09102807)	0.00000	(09102718)	0.00000	(09102718)	0.00000	(09102721)	0.00000	(09102721)

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**MODELOPTs: RegDEFAULT CONC ELEV URBAN

*** THE 1ST HIGHEST 1-HR AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: ALL ***
 INCLUDING SOURCE(S): FLARE1 , FLARE2 , FLARE3 , FLARE4 , FLARE5 ,
 FLARE6 , FLARE7 , FLARE8 , FLARE9 , FLARE10 , FLARE11 , FLARE12 , FLARE13 ,
 FLARE14 , FLARE15 , FLARE16 , FLARE17 , FLARE18 , FLARE19 , FLARE20 , FLARE21 ,
 FLARE22 , FLARE23 , FLARE24 ,

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

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

Y-COORD (METERS)	X-COORD (METERS)
407898.86	

3765862.8	0.00000	(12081020)
3765765.7	0.00000	(10110817)
3765668.5	0.00000	(10110817)
3765571.4	0.00000	(10110817)
3765474.3	0.00000	(10110817)
3765377.1	0.00000	(10110817)
3765280.0	0.00000	(10110817)
3765182.8	0.00000	(10110817)

3765085.7	0.00000	(11030722)
3764988.6	0.00000	(11030722)
3764891.4	0.00000	(11030722)
3764794.3	0.00000	(12121821)
3764697.1	0.00000	(08052119)
3764600.0	0.00000	(08052119)
3764502.9	0.00000	(08052119)
3764405.7	0.00000	(11030721)
3764308.6	0.00000	(11030721)
3764211.4	0.00000	(11030721)
3764114.3	0.00000	(09102721)
3764017.2	0.00000	(09102721)
3763920.0	0.00000	(09102721)

*** AERMOD - VERSION 15181 ***	*** C:\Lakes\AERMOD View\6351 Puente Hills Landfill Park\6351 Puente Hil ***	04/20/16
*** AERMET - VERSION 14134 ***	*** PAHS ***	17:16:28
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**MODELOPTs: RegDFAULT CONC ELEV URBAN

*** THE 1ST HIGHEST 1-HR AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: ALL ***

INCLUDING SOURCE(S): FLARE1 , FLARE2 , FLARE3 , FLARE4 , FLARE5 ,

FLARE6 , FLARE7 , FLARE8 , FLARE9 , FLARE10 , FLARE11 , FLARE12 , FLARE13 ,

FLARE14 , FLARE15 , FLARE16 , FLARE17 , FLARE18 , FLARE19 , FLARE20 , FLARE21 ,

FLARE22 , FLARE23 , FLARE24 ,

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

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

X-COORD (M)	Y-COORD (M)	CONC	(YYMMDDHH)	X-COORD (M)	Y-COORD (M)	CONC	(YYMMDDHH)
405475.87	3765283.33	0.00001	(10012115)	405487.28	3765227.63	0.00001	(12080612)
405496.83	3765177.10	0.00001	(10102809)	405361.06	3765124.16	0.00001	(08010701)
405556.64	3765179.21	0.00001	(12071216)	405516.99	3765024.87	0.00001	(08031008)
405795.26	3765005.20	0.00000	(09102718)	406083.86	3765241.01	0.00000	(10122923)
406158.41	3764974.02	0.00000	(11030721)	405659.63	3764787.39	0.00000	(10110404)
405927.52	3765602.51	0.00000	(12090919)				

*** AERMOD - VERSION 15181 ***	*** C:\Lakes\AERMOD View\6351 Puente Hills Landfill Park\6351 Puente Hil ***	04/20/16
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**MODELOPTs: RegDFAULT CONC ELEV URBAN

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

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

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

ALL	1ST HIGHEST VALUE IS	0.00000	AT (	405512.81,	3765377.13,	138.00,	308.00,	0.00)	GC	UCART1
	2ND HIGHEST VALUE IS	0.00000	AT (	405475.87,	3765283.33,	178.49,	306.00,	0.00)	DC	
	3RD HIGHEST VALUE IS	0.00000	AT (	405512.81,	3765474.27,	122.70,	311.00,	0.00)	GC	UCART1
	4TH HIGHEST VALUE IS	0.00000	AT (	405353.74,	3765377.13,	180.70,	305.00,	0.00)	GC	UCART1
	5TH HIGHEST VALUE IS	0.00000	AT (	405512.81,	3765279.99,	174.60,	306.00,	0.00)	GC	UCART1
	6TH HIGHEST VALUE IS	0.00000	AT (	405353.74,	3765474.27,	163.10,	306.00,	0.00)	GC	UCART1
	7TH HIGHEST VALUE IS	0.00000	AT (	405512.81,	3765571.41,	117.00,	311.00,	0.00)	GC	UCART1
	8TH HIGHEST VALUE IS	0.00000	AT (	405353.74,	3765182.85,	181.90,	306.00,	0.00)	GC	UCART1
	9TH HIGHEST VALUE IS	0.00000	AT (	405353.74,	3765279.99,	181.00,	305.00,	0.00)	GC	UCART1
	10TH HIGHEST VALUE IS	0.00000	AT (	405671.88,	3765474.27,	125.40,	311.00,	0.00)	GC	UCART1

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

*** AERMOD - VERSION	15181 ***	*** C:\Lakes\AERMOD View\6351 Puente Hills Landfill Park\6351 Puente Hil	***	04/20/16
*** AERMET - VERSION	14134 ***	*** PAHS	***	17:16:28
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**MODELOPTs: RegDFAULT CONC ELEV URBAN

*** THE SUMMARY OF HIGHEST 1-HR RESULTS ***

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

GROUP ID	AVERAGE CONC	DATE (YYMMDDHH)	RECEPTOR (XR, YR, ZELEV, ZHILL, ZFLAG)	OF TYPE	NETWORK GRID-ID
ALL	HIGH 1ST HIGH VALUE IS	0.00002	ON 08010424: AT (405353.74, 3765377.13, 180.70, 305.00, 0.00)	GC	UCART1

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

*** AERMOD - VERSION	15181 ***	*** C:\Lakes\AERMOD View\6351 Puente Hills Landfill Park\6351 Puente Hil	***	04/20/16
*** AERMET - VERSION	14134 ***	*** PAHS	***	17:16:28
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**MODELOPTs: RegDFAULT CONC ELEV URBAN

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

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

A Total of	0 Fatal Error Message(s)
A Total of	0 Warning Message(s)

A Total of 1222 Informational Message(s)
A Total of 43848 Hours Were Processed
A Total of 13 Calm Hours Identified
A Total of 1209 Missing Hours Identified (2.76 Percent)

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

***** WARNING MESSAGES *****
*** NONE ***

*** AERMOD Finishes Successfully ***

```

** Lakes Environmental AERMOD MPI
**
*****
**
** AERMOD Input Produced by:
** AERMOD View Ver. 9.1.0
** Lakes Environmental Software Inc.
** Date: 4/20/2016
** File: C:\Lakes\AERMOD View\Puente Hills LFP Perchloroethylene\Puente Hills LFP Perchloroethylene.ADI
**
*****
**
**
*****
** AERMOD Control Pathway
*****
**
**
CO STARTING
  TITLEONE C:\Lakes\AERMOD View\6351 Puente Hills Landfill Park\6351 Puente Hil
  TITLETWO Perchloroethylene
  MODELOPT DFAULT CONC
  AVERTIME 1 ANNUAL
  URBANOPT 9862049 Los_Angeles_County
  POLLUTID PERCHLOR
  RUNORNOT RUN
  ERRORFIL "Puente Hills LFP Perchloroethylene.err"
CO FINISHED
**
*****
** AERMOD Source Pathway
*****
**
**
SO STARTING
** Source Location **
** Source ID - Type - X Coord. - Y Coord. **
  LOCATION FLARE1      POINT      405412.404  3765266.480    181.580
** DESCRSRC Flares (24 total)
  LOCATION FLARE2      POINT      405417.595  3765268.614    181.640
** DESCRSRC Flares (24 total)
  LOCATION FLARE3      POINT      405415.440  3765263.023    181.620
** DESCRSRC Flares (24 total)
  LOCATION FLARE4      POINT      405420.770  3765264.143    181.690
** DESCRSRC Flares (24 total)
  LOCATION FLARE5      POINT      405417.256  3765258.874    181.640
** DESCRSRC Flares (24 total)
  LOCATION FLARE6      POINT      405423.409  3765260.689    181.720
** DESCRSRC Flares (24 total)
  LOCATION FLARE7      POINT      405418.220  3765254.700    181.650
** DESCRSRC Flares (24 total)

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LOCATION	FLARE8	POINT	405426.799	3765256.850	181.770
** DESCRSRC	Flares (24 total)				
LOCATION	FLARE9	POINT	405420.223	3765250.883	181.680
** DESCRSRC	Flares (24 total)				
LOCATION	FLARE10	POINT	405429.052	3765252.454	181.800
** DESCRSRC	Flares (24 total)				
LOCATION	FLARE11	POINT	405423.375	3765246.684	181.720
** DESCRSRC	Flares (24 total)				
LOCATION	FLARE12	POINT	405431.589	3765249.405	181.830
** DESCRSRC	Flares (24 total)				
LOCATION	FLARE13	POINT	405427.483	3765241.984	181.780
** DESCRSRC	Flares (24 total)				
LOCATION	FLARE14	POINT	405433.797	3765244.836	181.860
** DESCRSRC	Flares (24 total)				
LOCATION	FLARE15	POINT	405430.394	3765236.806	181.820
** DESCRSRC	Flares (24 total)				
LOCATION	FLARE16	POINT	405436.611	3765241.272	181.900
** DESCRSRC	Flares (24 total)				
LOCATION	FLARE17	POINT	405433.570	3765232.416	181.860
** DESCRSRC	Flares (24 total)				
LOCATION	FLARE18	POINT	405439.798	3765236.907	181.940
** DESCRSRC	Flares (24 total)				
LOCATION	FLARE19	POINT	405436.746	3765227.834	181.900
** DESCRSRC	Flares (24 total)				
LOCATION	FLARE20	POINT	405442.425	3765233.337	181.970
** DESCRSRC	Flares (24 total)				
LOCATION	FLARE21	POINT	405440.173	3765223.711	181.940
** DESCRSRC	Flares (24 total)				
LOCATION	FLARE22	POINT	405445.453	3765228.464	181.980
** DESCRSRC	Flares (24 total)				
LOCATION	FLARE23	POINT	405442.883	3765219.270	181.980
** DESCRSRC	Flares (24 total)				
LOCATION	FLARE24	POINT	405449.335	3765223.937	181.930
** DESCRSRC	Flares (24 total)				
** Source Parameters **					
SRCPARAM	FLARE1	0.0000560183	10.226	1088.706	4.245 2.530
SRCPARAM	FLARE2	0.0000560183	10.226	1088.706	4.245 2.530
SRCPARAM	FLARE3	0.0000560183	10.226	1088.706	4.245 2.530
SRCPARAM	FLARE4	0.0000560183	10.226	1088.706	4.245 2.530
SRCPARAM	FLARE5	0.0000560183	10.226	1088.706	4.245 2.530
SRCPARAM	FLARE6	0.0000560183	10.226	1088.706	4.245 2.530
SRCPARAM	FLARE7	0.0000560183	10.226	1088.706	4.245 2.530
SRCPARAM	FLARE8	0.0000560183	10.226	1088.706	4.245 2.530
SRCPARAM	FLARE9	0.0000560183	10.226	1088.706	4.245 2.530
SRCPARAM	FLARE10	0.0000560183	10.226	1088.706	4.245 2.530
SRCPARAM	FLARE11	0.0000560183	10.226	1088.706	4.245 2.530
SRCPARAM	FLARE12	0.0000560183	10.226	1088.706	4.245 2.530
SRCPARAM	FLARE13	0.0000560183	10.226	1088.706	4.245 2.530
SRCPARAM	FLARE14	0.0000560183	10.226	1088.706	4.245 2.530
SRCPARAM	FLARE15	0.0000560183	10.226	1088.706	4.245 2.530
SRCPARAM	FLARE16	0.0000560183	10.226	1088.706	4.245 2.530

SRCPARAM	FLARE17	0.0000560183	10.226	1088.706	4.245	2.530
SRCPARAM	FLARE18	0.0000560183	10.226	1088.706	4.245	2.530
SRCPARAM	FLARE19	0.0000560183	10.226	1088.706	4.245	2.530
SRCPARAM	FLARE20	0.0000560183	10.226	1088.706	4.245	2.530
SRCPARAM	FLARE21	0.0000560183	10.226	1088.706	4.245	2.530
SRCPARAM	FLARE22	0.0000560183	10.226	1088.706	4.245	2.530
SRCPARAM	FLARE23	0.0000560183	10.226	1088.706	4.245	2.530
SRCPARAM	FLARE24	0.0000560183	10.226	1088.706	4.245	2.530
URBANSRC	ALL					
SRCGROUP	ALL					

SO FINISHED
**

** AERMOD Receptor Pathway

**
**
RE STARTING
INCLUDED "Puente Hills LFP Perchloroethylene.rou"
RE FINISHED
**

** AERMOD Meteorology Pathway

**
**
ME STARTING
SURFFILE "C:\Users\Kate Wilson\Desktop\Met data\pico8.sfc"
PROFFILE "C:\Users\Kate Wilson\Desktop\Met data\pico8.PFL"
SURFDATA 0 2008
UAIRDATA 3190 2008
SITEDATA 99999 2008
PROFBASE 58.0 METERS
ME FINISHED
**

** AERMOD Output Pathway

**
**
OU STARTING
RECTABLE ALLAVE 1ST
RECTABLE 1 1ST
** Auto-Generated Plotfiles
PLOTFILE 1 ALL 1ST "PUENTE HILLS LFP PERCHLOROETHYLENE.AD\01H1GALL.PLT" 31
PLOTFILE ANNUAL ALL "PUENTE HILLS LFP PERCHLOROETHYLENE.AD\AN00GALL.PLT" 32
SUMMFILE "Puente Hills LFP Perchloroethylene.sum"
OU FINISHED

*** SETUP Finishes Successfully ***

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**MODELOPTs: RegDEFAULT CONC ELEV URBAN

*** MODEL SETUP OPTIONS SUMMARY ***

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

-- DEPOSITION LOGIC --

**NO GAS DEPOSITION Data Provided.

**NO PARTICLE DEPOSITION Data Provided.

**Model Uses NO DRY DEPLETION. DRYDPLT = F

**Model Uses NO WET DEPLETION. WETDPLT = F

**Model Uses URBAN Dispersion Algorithm for the SBL for 24 Source(s),
for Total of 1 Urban Area(s):
Urban Population = 9862049.0 ; Urban Roughness Length = 1.000 m

**Model Uses Regulatory DEFAULT Options:

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

**Other Options Specified:

TEMP_Sub - Meteorological data includes TEMP substitutions

**Model Assumes No FLAGPOLE Receptor Heights.

**The User Specified a Pollutant Type of: PERCHLOR

**Model Calculates 1 Short Term Average(s) of: 1-HR
and Calculates ANNUAL Averages

**This Run Includes: 24 Source(s); 1 Source Group(s); and 452 Receptor(s)

with: 24 POINT(s), including
0 POINTCAP(s) and 0 POINTHOR(s)
and: 0 VOLUME source(s)
and: 0 AREA type source(s)
and: 0 LINE source(s)
and: 0 OPENPIT source(s)

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

**The AERMET Input Meteorological Data Version Date: 14134

**Output Options Selected:

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

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

**Misc. Inputs: Base Elev. for Pot. Temp. Profile (m MSL) = 58.00 ; 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: Puente Hills LFP Perchloroethylene.err

**File for Summary of Results: Puente Hills LFP Perchloroethylene.sum

*** AERMOD - VERSION 15181 *** C:\Lakes\AERMOD View\6351 Puente Hills Landfill Park\6351 Puente Hil *** 04/20/16
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**MODELOPTs: RegDFAULT CONC ELEV URBAN

*** POINT SOURCE DATA ***

SOURCE ID	NUMBER PART. CATS.	EMISSION RATE (GRAMS/SEC)	X (METERS)	Y (METERS)	BASE ELEV. (METERS)	STACK HEIGHT (METERS)	STACK TEMP. (DEG.K)	STACK EXIT VEL. (M/SEC)	STACK DIAMETER (METERS)	BLDG EXISTS	URBAN SOURCE	CAP/ HOR	EMIS RATE SCALAR VARY BY
FLARE1	0	0.56018E-04	405412.4	3765266.5	181.6	10.23	1088.71	4.25	2.53	NO	YES	NO	
FLARE2	0	0.56018E-04	405417.6	3765268.6	181.6	10.23	1088.71	4.25	2.53	NO	YES	NO	
FLARE3	0	0.56018E-04	405415.4	3765263.0	181.6	10.23	1088.71	4.25	2.53	NO	YES	NO	
FLARE4	0	0.56018E-04	405420.8	3765264.1	181.7	10.23	1088.71	4.25	2.53	NO	YES	NO	
FLARE5	0	0.56018E-04	405417.3	3765258.9	181.6	10.23	1088.71	4.25	2.53	NO	YES	NO	
FLARE6	0	0.56018E-04	405423.4	3765260.7	181.7	10.23	1088.71	4.25	2.53	NO	YES	NO	
FLARE7	0	0.56018E-04	405418.2	3765254.7	181.7	10.23	1088.71	4.25	2.53	NO	YES	NO	
FLARE8	0	0.56018E-04	405426.8	3765256.8	181.8	10.23	1088.71	4.25	2.53	NO	YES	NO	
FLARE9	0	0.56018E-04	405420.2	3765250.9	181.7	10.23	1088.71	4.25	2.53	NO	YES	NO	
FLARE10	0	0.56018E-04	405429.1	3765252.5	181.8	10.23	1088.71	4.25	2.53	NO	YES	NO	
FLARE11	0	0.56018E-04	405423.4	3765246.7	181.7	10.23	1088.71	4.25	2.53	NO	YES	NO	
FLARE12	0	0.56018E-04	405431.6	3765249.4	181.8	10.23	1088.71	4.25	2.53	NO	YES	NO	
FLARE13	0	0.56018E-04	405427.5	3765242.0	181.8	10.23	1088.71	4.25	2.53	NO	YES	NO	
FLARE14	0	0.56018E-04	405433.8	3765244.8	181.9	10.23	1088.71	4.25	2.53	NO	YES	NO	
FLARE15	0	0.56018E-04	405430.4	3765236.8	181.8	10.23	1088.71	4.25	2.53	NO	YES	NO	

FLARE16	0	0.56018E-04	405436.6	3765241.3	181.9	10.23	1088.71	4.25	2.53	NO	YES	NO
FLARE17	0	0.56018E-04	405433.6	3765232.4	181.9	10.23	1088.71	4.25	2.53	NO	YES	NO
FLARE18	0	0.56018E-04	405439.8	3765236.9	181.9	10.23	1088.71	4.25	2.53	NO	YES	NO
FLARE19	0	0.56018E-04	405436.7	3765227.8	181.9	10.23	1088.71	4.25	2.53	NO	YES	NO
FLARE20	0	0.56018E-04	405442.4	3765233.3	182.0	10.23	1088.71	4.25	2.53	NO	YES	NO
FLARE21	0	0.56018E-04	405440.2	3765223.7	181.9	10.23	1088.71	4.25	2.53	NO	YES	NO
FLARE22	0	0.56018E-04	405445.5	3765228.5	182.0	10.23	1088.71	4.25	2.53	NO	YES	NO
FLARE23	0	0.56018E-04	405442.9	3765219.3	182.0	10.23	1088.71	4.25	2.53	NO	YES	NO
FLARE24	0	0.56018E-04	405449.3	3765223.9	181.9	10.23	1088.71	4.25	2.53	NO	YES	NO

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**MODELOPTs: RegDFAULT CONC ELEV URBAN

*** SOURCE IDs DEFINING SOURCE GROUPS ***

SRCGROUP ID	SOURCE IDs															
-----	-----															
ALL	FLARE1	,	FLARE2	,	FLARE3	,	FLARE4	,	FLARE5	,	FLARE6	,	FLARE7	,	FLARE8	,
	FLARE9	,	FLARE10	,	FLARE11	,	FLARE12	,	FLARE13	,	FLARE14	,	FLARE15	,	FLARE16	,
	FLARE17	,	FLARE18	,	FLARE19	,	FLARE20	,	FLARE21	,	FLARE22	,	FLARE23	,	FLARE24	,

*** AERMOD - VERSION 15181 *** *** C:\Lakes\AERMOD View\6351 Puente Hills Landfill Park\6351 Puente Hil *** 04/20/16
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**MODELOPTs: RegDFAULT CONC ELEV URBAN

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

URBAN ID	URBAN POP	SOURCE IDs															
-----	-----	-----															
FLARE8	9862049.	FLARE1	,	FLARE2	,	FLARE3	,	FLARE4	,	FLARE5	,	FLARE6	,	FLARE7	,		
		FLARE9	,	FLARE10	,	FLARE11	,	FLARE12	,	FLARE13	,	FLARE14	,	FLARE15	,	FLARE16	,
		FLARE17	,	FLARE18	,	FLARE19	,	FLARE20	,	FLARE21	,	FLARE22	,	FLARE23	,	FLARE24	,

*** AERMOD - VERSION 15181 *** *** C:\Lakes\AERMOD View\6351 Puente Hills Landfill Park\6351 Puente Hil *** 04/20/16
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**MODELOPTs: RegDFAULT CONC ELEV URBAN

*** GRIDDED RECEPTOR NETWORK SUMMARY ***

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

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

404717.5, 404876.5, 405035.6, 405194.7, 405353.7, 405512.8, 405671.9, 405831.0, 405990.0, 406149.1,
406308.2, 406467.2, 406626.3, 406785.4, 406944.4, 407103.5, 407262.6, 407421.7, 407580.7, 407739.8,
407898.9,

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

3763920.0, 3764017.2, 3764114.3, 3764211.4, 3764308.6, 3764405.7, 3764502.9, 3764600.0, 3764697.1, 3764794.3,
3764891.4, 3764988.6, 3765085.7, 3765182.8, 3765280.0, 3765377.1, 3765474.3, 3765571.4, 3765668.5, 3765765.7,
3765862.8,

*** AERMOD - VERSION 15181 *** *** C:\Lakes\AERMOD View\6351 Puente Hills Landfill Park\6351 Puente Hil *** 04/20/16
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**MODELOPTs: RegDFault CONC ELEV URBAN

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

* ELEVATION HEIGHTS IN METERS *

Y-COORD (METERS)	X-COORD (METERS)								
	404717.46	404876.53	405035.60	405194.67	405353.74	405512.81	405671.88	405830.95	405990.02
3765862.83	85.20	86.70	88.10	89.80	90.80	91.00	95.30	97.70	97.60
3765765.69	88.00	89.30	91.00	94.80	98.90	99.40	104.00	109.00	109.90
3765668.55	92.90	93.50	102.50	106.30	109.10	108.80	113.00	121.00	120.80
3765571.41	101.00	106.10	116.80	124.20	124.70	117.00	117.30	124.50	121.10
3765474.27	109.40	115.90	132.00	161.80	163.10	122.70	125.40	130.20	121.80
3765377.13	115.60	122.00	145.70	178.70	180.70	138.00	152.10	139.20	121.20
3765279.99	119.10	127.70	157.90	180.20	181.00	174.60	174.50	156.40	131.80
3765182.85	121.50	136.60	167.70	180.50	181.90	182.10	182.00	174.90	168.00
3765085.71	125.30	146.90	177.00	181.90	185.70	191.60	182.00	182.00	184.20
3764988.57	124.50	139.80	172.30	181.90	194.40	221.20	192.20	190.60	201.00
3764891.43	121.60	127.80	162.80	181.70	210.40	242.30	223.60	216.80	231.60
3764794.29	121.80	132.20	165.00	192.00	229.20	245.50	246.70	242.80	245.30
3764697.15	124.00	142.10	174.70	207.10	240.70	250.90	260.70	268.50	279.10
3764600.01	125.70	140.80	179.10	204.50	233.90	258.20	281.20	295.40	302.00
3764502.87	122.10	125.00	177.00	187.00	218.30	262.80	299.20	303.40	302.80
3764405.73	121.00	144.60	179.30	181.90	211.60	263.90	304.00	303.80	303.90
3764308.59	146.30	164.20	181.70	182.00	220.20	264.90	304.00	303.50	297.60
3764211.45	174.40	180.90	182.00	182.00	229.50	265.30	293.20	290.50	276.00
3764114.31	171.50	170.00	180.40	182.00	228.70	262.60	281.20	272.60	252.30

3764017.17		121.00	151.40	179.00	181.90	232.40	255.60	268.20	257.90	243.50
3763920.03		123.00	148.90	183.50	197.80	241.00	247.10	253.90	250.20	243.70

*** AERMOD - VERSION 15181 ***	*** C:\Lakes\AERMOD View\6351 Puente Hills Landfill Park\6351 Puente Hil ***	04/20/16
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**MODELOPTs: RegDEFAULT CONC ELEV URBAN

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

* ELEVATION HEIGHTS IN METERS *

Y-COORD (METERS)				X-COORD (METERS)					
	406149.09	406308.16	406467.23	406626.30	406785.37	406944.44	407103.51	407262.58	407421.65

3765862.83	91.80	88.90	87.90	93.00	98.60	102.20	99.00	97.50	94.70
3765765.69	101.30	95.70	95.00	99.00	108.40	112.80	108.00	105.20	105.70
3765668.55	111.90	109.30	110.60	113.00	126.00	147.00	130.70	131.70	135.30
3765571.41	118.80	121.20	120.30	117.90	133.60	177.80	156.80	158.40	161.60
3765474.27	126.50	144.40	151.70	127.90	164.20	183.80	183.70	183.30	185.80
3765377.13	138.10	167.60	180.80	156.00	177.30	192.30	195.70	197.70	200.80
3765279.99	161.50	182.70	185.20	172.90	188.80	199.00	201.20	209.50	212.90
3765182.85	191.40	193.30	190.10	192.50	202.60	219.30	231.20	250.40	236.10
3765085.71	229.10	207.40	194.10	206.00	216.30	231.40	250.90	256.80	244.90
3764988.57	243.20	225.30	214.60	225.80	226.50	226.20	227.40	232.10	232.10
3764891.43	255.60	246.70	243.80	247.20	236.80	225.50	210.80	214.80	226.80
3764794.29	277.90	279.40	280.10	270.10	251.20	238.70	215.80	203.70	239.10
3764697.15	297.40	300.80	302.60	288.20	261.50	248.70	223.20	195.80	225.90
3764600.01	303.50	304.00	305.10	297.60	265.00	247.90	222.20	190.60	198.40
3764502.87	303.90	303.50	303.50	298.20	262.00	240.50	208.40	185.40	184.50
3764405.73	303.80	302.50	301.00	295.80	257.30	233.20	207.70	179.10	177.00
3764308.59	293.60	300.30	299.40	296.50	262.00	233.10	223.50	184.50	173.70
3764211.45	277.00	295.40	303.20	302.20	278.10	241.70	237.60	209.30	190.90
3764114.31	258.70	290.30	306.90	307.60	289.30	250.60	252.50	235.30	211.20
3764017.17	244.30	289.20	303.10	304.30	294.80	262.20	253.10	244.20	212.60
3763920.03	251.70	287.60	300.70	299.50	297.00	274.70	257.00	234.70	215.20

*** AERMOD - VERSION 15181 ***	*** C:\Lakes\AERMOD View\6351 Puente Hills Landfill Park\6351 Puente Hil ***	04/20/16
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**MODELOPTs: RegDEFAULT CONC ELEV URBAN

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

* ELEVATION HEIGHTS IN METERS *

Y-COORD (METERS)				X-COORD (METERS)
	407580.72	407739.79	407898.86	

3765862.83	87.60	83.40	78.20
3765765.69	102.50	97.50	91.70
3765668.55	116.90	112.80	103.10
3765571.41	129.10	121.80	114.90
3765474.27	156.60	146.00	138.50
3765377.13	182.60	174.00	173.40
3765279.99	203.70	197.40	195.90
3765182.85	227.90	226.10	206.00
3765085.71	234.50	231.90	205.50
3764988.57	220.40	210.80	196.60
3764891.43	226.00	212.30	186.50
3764794.29	249.90	238.50	206.80
3764697.15	259.40	252.50	223.70
3764600.01	245.40	248.40	223.70
3764502.87	221.90	229.20	208.80
3764405.73	188.10	194.70	185.80
3764308.59	164.80	160.90	153.60
3764211.45	177.30	166.10	141.70
3764114.31	196.00	186.80	150.60
3764017.17	188.40	181.90	150.80
3763920.03	176.00	164.80	150.40

*** AERMOD - VERSION 15181 ***
 *** AERMET - VERSION 14134 ***

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 *** Perchloroethylene ***

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**MODELOPTs: RegDFAULT CONC ELEV URBAN

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

* HILL HEIGHT SCALES IN METERS *

Y-COORD (METERS)	404717.46	404876.53	405035.60	405194.67	405353.74	405512.81	405671.88	405830.95	405990.02
3765862.83	306.00	306.00	306.00	307.00	308.00	311.00	311.00	311.00	311.00
3765765.69	306.00	306.00	306.00	308.00	308.00	311.00	311.00	311.00	311.00
3765668.55	306.00	306.00	306.00	307.00	308.00	311.00	311.00	311.00	311.00
3765571.41	306.00	306.00	306.00	306.00	306.00	311.00	311.00	311.00	311.00
3765474.27	306.00	306.00	306.00	305.00	306.00	311.00	311.00	311.00	311.00
3765377.13	306.00	306.00	306.00	304.00	305.00	308.00	308.00	311.00	311.00
3765279.99	306.00	306.00	305.00	304.00	305.00	306.00	306.00	311.00	311.00
3765182.85	306.00	306.00	305.00	305.00	306.00	306.00	306.00	308.00	311.00
3765085.71	306.00	305.00	304.00	305.00	306.00	306.00	307.00	308.00	311.00
3764988.57	306.00	306.00	305.00	305.00	305.00	304.00	306.00	308.00	308.00
3764891.43	306.00	307.00	306.00	305.00	304.00	304.00	306.00	306.00	306.00
3764794.29	306.00	307.00	305.00	305.00	304.00	304.00	304.00	306.00	306.00
3764697.15	307.00	306.00	305.00	304.00	304.00	304.00	304.00	304.00	304.00
3764600.01	307.00	307.00	305.00	304.00	304.00	304.00	304.00	304.00	302.00
3764502.87	308.00	354.00	305.00	305.00	304.00	304.00	304.00	303.40	302.80
3764405.73	349.00	307.00	304.00	305.00	304.00	304.00	304.00	303.80	303.90

3764308.59		304.00	304.00	304.00	305.00	304.00	304.00	304.00	303.50	297.60
3764211.45		304.00	304.00	304.00	307.00	304.00	304.00	304.00	304.00	304.00
3764114.31		304.00	304.00	304.00	307.00	304.00	304.00	304.00	304.00	308.00
3764017.17		354.00	354.00	304.00	354.00	304.00	304.00	304.00	304.00	308.00
3763920.03		354.00	354.00	304.00	304.00	304.00	304.00	304.00	304.00	308.00

*** AERMOD - VERSION 15181 *** *** C:\Lakes\AERMOD View\6351 Puente Hills Landfill Park\6351 Puente Hil *** 04/20/16
 *** AERMET - VERSION 14134 *** *** Perchloroethylene *** 16:18:50
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**MODELOPTs: RegDFAULT CONC ELEV URBAN

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

* HILL HEIGHT SCALES IN METERS *

Y-COORD (METERS)		406149.09	406308.16	406467.23	406626.30	406785.37	406944.44	407103.51	407262.58	407421.65
3765862.83		311.00	311.00	311.00	311.00	311.00	311.00	311.00	311.00	311.00
3765765.69		311.00	311.00	311.00	311.00	311.00	311.00	311.00	311.00	311.00
3765668.55		311.00	311.00	311.00	311.00	311.00	311.00	311.00	311.00	311.00
3765571.41		311.00	311.00	311.00	311.00	311.00	306.00	311.00	306.00	306.00
3765474.27		311.00	311.00	311.00	311.00	311.00	306.00	306.00	306.00	267.00
3765377.13		311.00	311.00	306.00	311.00	311.00	306.00	306.00	306.00	267.00
3765279.99		311.00	311.00	311.00	311.00	311.00	306.00	306.00	302.00	263.00
3765182.85		308.00	311.00	311.00	311.00	306.00	306.00	263.00	263.00	263.00
3765085.71		306.00	306.00	311.00	311.00	306.00	306.00	259.00	263.00	263.00
3764988.57		306.00	306.00	311.00	306.00	306.00	306.00	306.00	263.00	267.00
3764891.43		306.00	306.00	306.00	306.00	306.00	311.00	311.00	311.00	267.00
3764794.29		305.00	306.00	306.00	306.00	306.00	306.00	311.00	311.00	267.00
3764697.15		303.00	300.80	302.60	306.00	306.00	306.00	311.00	311.00	267.00
3764600.01		303.50	304.00	305.10	306.00	306.00	311.00	311.00	311.00	311.00
3764502.87		303.90	303.50	303.50	306.00	311.00	311.00	311.00	311.00	311.00
3764405.73		303.80	302.50	301.00	304.00	311.00	311.00	311.00	354.00	354.00
3764308.59		304.00	300.30	299.40	296.50	311.00	311.00	311.00	354.00	354.00
3764211.45		304.00	295.40	303.20	302.20	311.00	311.00	311.00	345.00	354.00
3764114.31		308.00	307.00	306.90	307.60	311.00	311.00	311.00	311.00	345.00
3764017.17		311.00	307.00	303.10	304.30	311.00	311.00	311.00	311.00	354.00
3763920.03		309.00	304.00	300.70	299.50	297.00	311.00	311.00	345.00	354.00

*** AERMOD - VERSION 15181 *** *** C:\Lakes\AERMOD View\6351 Puente Hills Landfill Park\6351 Puente Hil *** 04/20/16
 *** AERMET - VERSION 14134 *** *** Perchloroethylene *** 16:18:50
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**MODELOPTs: RegDFAULT CONC ELEV URBAN

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

* HILL HEIGHT SCALES IN METERS *

Y-COORD										

X-COORD (METERS)

(METERS)	407580.72	407739.79	407898.86
3765862.83	311.00	311.00	311.00
3765765.69	311.00	311.00	311.00
3765668.55	311.00	311.00	311.00
3765571.41	311.00	311.00	311.00
3765474.27	306.00	306.00	306.00
3765377.13	267.00	267.00	267.00
3765279.99	267.00	267.00	267.00
3765182.85	263.00	240.00	267.00
3765085.71	238.00	240.00	267.00
3764988.57	267.00	267.00	267.00
3764891.43	267.00	267.00	267.00
3764794.29	267.00	267.00	267.00
3764697.15	267.00	265.00	267.00
3764600.01	267.00	265.00	267.00
3764502.87	267.00	267.00	267.00
3764405.73	345.00	311.00	343.00
3764308.59	354.00	354.00	354.00
3764211.45	354.00	354.00	354.00
3764114.31	352.00	352.00	354.00
3764017.17	354.00	354.00	354.00
3763920.03	354.00	354.00	354.00

*** AERMOD - VERSION 15181 *** *** C:\Lakes\AERMOD View\6351 Puente Hills Landfill Park\6351 Puente Hil *** 04/20/16
 *** AERMET - VERSION 14134 *** *** Perchloroethylene *** 16:18:50
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**MODELOPTs: RegDEFAULT CONC ELEV URBAN

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

(405475.9, 3765283.3,	178.5,	306.0,	0.0);	(405487.3, 3765227.6,	181.1,	306.0,	0.0);
(405496.8, 3765177.1,	182.5,	306.0,	0.0);	(405361.1, 3765124.2,	183.8,	306.0,	0.0);
(405556.6, 3765179.2,	182.0,	306.0,	0.0);	(405517.0, 3765024.9,	207.2,	305.0,	0.0);
(405795.3, 3765005.2,	188.0,	308.0,	0.0);	(406083.9, 3765241.0,	155.0,	311.0,	0.0);
(406158.4, 3764974.0,	244.3,	306.0,	0.0);	(405659.6, 3764787.4,	247.3,	304.0,	0.0);
(405927.5, 3765602.5,	122.2,	311.0,	0.0);				

*** AERMOD - VERSION 15181 *** *** C:\Lakes\AERMOD View\6351 Puente Hills Landfill Park\6351 Puente Hil *** 04/20/16
 *** AERMET - VERSION 14134 *** *** Perchloroethylene *** 16:18:50
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**MODELOPTs: RegDEFAULT CONC ELEV URBAN

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

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

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

1.54, 3.09, 5.14, 8.23, 10.80,

```

*** AERMOD - VERSION 15181 ***      *** C:\Lakes\AERMOD View\6351 Puente Hills Landfill Park\6351 Puente Hil ***      04/20/16
*** AERMET - VERSION 14134 ***      *** Perchloroethylene ***      16:18:50
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**MODELOPTs:   RegDFAULT CONC      ELEV      URBAN

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

```

Surface file: C:\Users\Kate Wilson\Desktop\Met data\pico8.sfc
Profile file: C:\Users\Kate Wilson\Desktop\Met data\pico8.PFL
Surface format: FREE
Profile format: FREE
Surface station no.: 0
Upper air station no.: 3190
Name: UNKNOWN
Year: 2008
Name: UNKNOWN
Year: 2008

```

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
08	01	01	1	01	-999.0	-9.0000	-9.000	-9.000	-999.	-999.	-999999.0	0.34	1.00	1.00	999.00	999.	-9.0	285.4	5.5			
08	01	01	1	02	-999.0	-9.0000	-9.000	-9.000	-999.	-999.	-999999.0	0.34	1.00	1.00	999.00	999.	-9.0	284.2	5.5			
08	01	01	1	03	-999.0	-9.0000	-9.000	-9.000	-999.	-999.	-999999.0	0.34	1.00	1.00	999.00	999.	-9.0	283.8	5.5			
08	01	01	1	04	-999.0	-9.0000	-9.000	-9.000	-999.	-999.	-999999.0	0.34	1.00	1.00	999.00	999.	-9.0	284.2	5.5			
08	01	01	1	05	-999.0	-9.0000	-9.000	-9.000	-999.	-999.	-999999.0	0.34	1.00	1.00	999.00	999.	-9.0	284.9	5.5			
08	01	01	1	06	-999.0	-9.0000	-9.000	-9.000	-999.	-999.	-999999.0	0.34	1.00	1.00	999.00	999.	-9.0	285.4	5.5			
08	01	01	1	07	-999.0	-9.0000	-9.000	-9.000	-999.	-999.	-999999.0	0.34	1.00	1.00	999.00	999.	-9.0	285.9	5.5			
08	01	01	1	08	-999.0	-9.0000	-9.000	-9.000	-999.	-999.	-999999.0	0.34	1.00	0.54	999.00	999.	-9.0	286.4	5.5			
08	01	01	1	09	28.6	-9.0000	-9.000	-9.000	61.	-999.	-999999.0	0.34	1.00	0.32	999.00	999.	-9.0	287.0	5.5			
08	01	01	1	10	83.5	-9.0000	-9.000	-9.000	164.	-999.	-999999.0	0.34	1.00	0.24	999.00	999.	-9.0	289.2	5.5			
08	01	01	1	11	131.2	-9.0000	-9.000	-9.000	427.	-999.	-999999.0	0.34	1.00	0.21	999.00	999.	-9.0	292.5	5.5			
08	01	01	1	12	130.6	-9.0000	-9.000	-9.000	620.	-999.	-999999.0	0.34	1.00	0.20	999.00	999.	-9.0	294.2	5.5			
08	01	01	1	13	112.1	-9.0000	-9.000	-9.000	723.	-999.	-999999.0	0.34	1.00	0.20	999.00	999.	-9.0	294.9	5.5			
08	01	01	1	14	86.7	-9.0000	-9.000	-9.000	762.	-999.	-999999.0	0.34	1.00	0.21	999.00	999.	-9.0	294.9	5.5			
08	01	01	1	15	37.3	-9.0000	-9.000	-9.000	778.	-999.	-999999.0	0.34	1.00	0.25	999.00	999.	-9.0	294.2	5.5			
08	01	01	1	16	12.7	-9.0000	-9.000	-9.000	783.	-999.	-999999.0	0.34	1.00	0.33	999.00	999.	-9.0	293.8	5.5			
08	01	01	1	17	-999.0	-9.0000	-9.000	-9.000	-999.	-999.	-999999.0	0.34	1.00	0.60	999.00	999.	-9.0	292.5	5.5			

08 01 01	1 18	-999.0	-9.000	-9.000	-9.000	-999.	-999.	-99999.0	0.34	1.00	1.00	999.00	999.	-9.0	291.4	5.5
08 01 01	1 19	-999.0	-9.000	-9.000	-9.000	-999.	-999.	-99999.0	0.34	1.00	1.00	999.00	999.	-9.0	290.9	5.5
08 01 01	1 20	-999.0	-9.000	-9.000	-9.000	-999.	-999.	-99999.0	0.34	1.00	1.00	999.00	999.	-9.0	288.8	5.5
08 01 01	1 21	-999.0	-9.000	-9.000	-9.000	-999.	-999.	-99999.0	0.34	1.00	1.00	999.00	999.	-9.0	288.1	5.5
08 01 01	1 22	-999.0	-9.000	-9.000	-9.000	-999.	-999.	-99999.0	0.34	1.00	1.00	999.00	999.	-9.0	288.1	5.5
08 01 01	1 23	-999.0	-9.000	-9.000	-9.000	-999.	-999.	-99999.0	0.34	1.00	1.00	999.00	999.	-9.0	288.8	5.5
08 01 01	1 24	-999.0	-9.000	-9.000	-9.000	-999.	-999.	-99999.0	0.34	1.00	1.00	999.00	999.	-9.0	287.5	5.5

First hour of profile data

YR	MO	DY	HR	HEIGHT	F	WDIR	WSPD	AMB_TMP	sigmaA	sigmaW	sigmaV
08	01	01	01	5.5	0	-999.	-99.00	285.4	99.0	-99.00	-99.00
08	01	01	01	9.1	1	-999.	-99.00	-999.0	99.0	-99.00	-99.00

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

*** AERMOD - VERSION 15181 ***	*** C:\Lakes\AERMOD View\6351 Puente Hills Landfill Park\6351 Puente Hil ***	04/20/16
*** AERMET - VERSION 14134 ***	*** Perchloroethylene ***	16:18:50
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**MODELOPTs: RegDEFAULT CONC ELEV URBAN

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

INCLUDING SOURCE(S):

FLARE6	, FLARE7	, FLARE8	, FLARE9	, FLARE10	, FLARE11	, FLARE12	, FLARE13	,
FLARE14	, FLARE15	, FLARE16	, FLARE17	, FLARE18	, FLARE19	, FLARE20	, FLARE21	,
FLARE22	, FLARE23	, FLARE24	,					

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

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

**

Y-COORD (METERS)	404717.46	404876.53	405035.60	405194.67	405353.74	405512.81	405671.88	405830.95	405990.02
3765862.83	0.00006	0.00007	0.00011	0.00016	0.00022	0.00025	0.00026	0.00022	0.00017
3765765.69	0.00006	0.00007	0.00011	0.00018	0.00027	0.00032	0.00031	0.00025	0.00018
3765668.55	0.00005	0.00007	0.00011	0.00020	0.00034	0.00043	0.00039	0.00027	0.00018
3765571.41	0.00005	0.00007	0.00011	0.00022	0.00045	0.00060	0.00047	0.00028	0.00016
3765474.27	0.00005	0.00007	0.00011	0.00024	0.00063	0.00086	0.00051	0.00025	0.00014
3765377.13	0.00006	0.00007	0.00012	0.00026	0.00085	0.00111	0.00046	0.00020	0.00011
3765279.99	0.00006	0.00007	0.00012	0.00026	0.00058	0.00075	0.00032	0.00015	0.00009
3765182.85	0.00006	0.00008	0.00013	0.00027	0.00058	0.00046	0.00024	0.00013	0.00008
3765085.71	0.00006	0.00008	0.00014	0.00025	0.00034	0.00027	0.00018	0.00011	0.00007
3764988.57	0.00006	0.00008	0.00012	0.00019	0.00018	0.00017	0.00013	0.00009	0.00007
3764891.43	0.00006	0.00008	0.00010	0.00013	0.00011	0.00012	0.00010	0.00007	0.00006
3764794.29	0.00006	0.00007	0.00009	0.00009	0.00008	0.00008	0.00008	0.00007	0.00006
3764697.15	0.00006	0.00007	0.00008	0.00007	0.00006	0.00006	0.00007	0.00008	0.00007
3764600.01	0.00006	0.00006	0.00007	0.00006	0.00005	0.00005	0.00007	0.00008	0.00007
3764502.87	0.00005	0.00005	0.00006	0.00005	0.00004	0.00004	0.00006	0.00007	0.00006
3764405.73	0.00005	0.00005	0.00005	0.00004	0.00003	0.00004	0.00005	0.00006	0.00006

3764308.59	0.00005	0.00005	0.00004	0.00004	0.00003	0.00003	0.00004	0.00005	0.00005
3764211.45	0.00005	0.00005	0.00004	0.00003	0.00003	0.00003	0.00004	0.00004	0.00005
3764114.31	0.00005	0.00004	0.00004	0.00003	0.00003	0.00003	0.00003	0.00004	0.00004
3764017.17	0.00004	0.00004	0.00003	0.00003	0.00002	0.00002	0.00003	0.00003	0.00003
3763920.03	0.00004	0.00003	0.00003	0.00002	0.00002	0.00002	0.00003	0.00003	0.00003

*** AERMOD - VERSION 15181 *** *** C:\Lakes\AERMOD View\6351 Puente Hills Landfill Park\6351 Puente Hil *** 04/20/16
 *** AERMET - VERSION 14134 *** *** Perchloroethylene *** 16:18:50
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**MODELOPTs: RegDFAULT CONC ELEV URBAN

*** THE ANNUAL AVERAGE CONCENTRATION VALUES AVERAGED OVER 5 YEARS FOR SOURCE GROUP: ALL ***
 INCLUDING SOURCE(S): FLARE1 , FLARE2 , FLARE3 , FLARE4 , FLARE5 ,
 FLARE6 , FLARE7 , FLARE8 , FLARE9 , FLARE10 , FLARE11 , FLARE12 , FLARE13 ,
 FLARE14 , FLARE15 , FLARE16 , FLARE17 , FLARE18 , FLARE19 , FLARE20 , FLARE21 ,
 FLARE22 , FLARE23 , FLARE24 ,

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

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

**

Y-COORD (METERS)	X-COORD (METERS)								
	406149.09	406308.16	406467.23	406626.30	406785.37	406944.44	407103.51	407262.58	407421.65
3765862.83	0.00013	0.00010	0.00008	0.00006	0.00005	0.00004	0.00004	0.00003	0.00003
3765765.69	0.00013	0.00009	0.00007	0.00006	0.00005	0.00004	0.00004	0.00003	0.00003
3765668.55	0.00012	0.00009	0.00006	0.00005	0.00004	0.00004	0.00003	0.00003	0.00003
3765571.41	0.00011	0.00008	0.00006	0.00005	0.00004	0.00004	0.00003	0.00003	0.00003
3765474.27	0.00009	0.00007	0.00005	0.00004	0.00004	0.00004	0.00003	0.00003	0.00003
3765377.13	0.00008	0.00006	0.00005	0.00004	0.00004	0.00003	0.00003	0.00003	0.00003
3765279.99	0.00007	0.00006	0.00004	0.00004	0.00003	0.00003	0.00003	0.00003	0.00003
3765182.85	0.00006	0.00005	0.00004	0.00004	0.00003	0.00003	0.00003	0.00003	0.00003
3765085.71	0.00006	0.00005	0.00004	0.00003	0.00003	0.00003	0.00003	0.00003	0.00003
3764988.57	0.00006	0.00005	0.00004	0.00004	0.00003	0.00003	0.00003	0.00003	0.00002
3764891.43	0.00006	0.00005	0.00004	0.00004	0.00003	0.00003	0.00003	0.00002	0.00002
3764794.29	0.00006	0.00005	0.00005	0.00004	0.00003	0.00003	0.00003	0.00002	0.00002
3764697.15	0.00006	0.00005	0.00005	0.00004	0.00004	0.00003	0.00003	0.00002	0.00002
3764600.01	0.00006	0.00005	0.00005	0.00004	0.00003	0.00003	0.00003	0.00002	0.00002
3764502.87	0.00006	0.00005	0.00004	0.00004	0.00003	0.00003	0.00002	0.00002	0.00002
3764405.73	0.00005	0.00005	0.00004	0.00004	0.00003	0.00003	0.00002	0.00002	0.00002
3764308.59	0.00005	0.00005	0.00004	0.00004	0.00003	0.00003	0.00002	0.00002	0.00002
3764211.45	0.00004	0.00004	0.00004	0.00004	0.00003	0.00003	0.00003	0.00002	0.00002
3764114.31	0.00004	0.00004	0.00004	0.00004	0.00003	0.00003	0.00003	0.00002	0.00002
3764017.17	0.00003	0.00004	0.00004	0.00003	0.00003	0.00003	0.00003	0.00002	0.00002
3763920.03	0.00003	0.00004	0.00004	0.00003	0.00003	0.00003	0.00003	0.00002	0.00002

*** AERMOD - VERSION 15181 *** *** C:\Lakes\AERMOD View\6351 Puente Hills Landfill Park\6351 Puente Hil *** 04/20/16
 *** AERMET - VERSION 14134 *** *** Perchloroethylene *** 16:18:50
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**MODELOPTs: RegDFAULT CONC ELEV URBAN

*** THE ANNUAL AVERAGE CONCENTRATION VALUES AVERAGED OVER 5 YEARS FOR SOURCE GROUP: ALL ***
 INCLUDING SOURCE(S): FLARE1 , FLARE2 , FLARE3 , FLARE4 , FLARE5 ,
 FLARE6 , FLARE7 , FLARE8 , FLARE9 , FLARE10 , FLARE11 , FLARE12 , FLARE13 ,
 FLARE14 , FLARE15 , FLARE16 , FLARE17 , FLARE18 , FLARE19 , FLARE20 , FLARE21 ,
 FLARE22 , FLARE23 , FLARE24 ,

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

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

Y-COORD (METERS)	407580.72	407739.79	407898.86	X-COORD (METERS)
3765862.83	0.00003	0.00003	0.00002	
3765765.69	0.00003	0.00003	0.00002	
3765668.55	0.00003	0.00002	0.00002	
3765571.41	0.00002	0.00002	0.00002	
3765474.27	0.00002	0.00002	0.00002	
3765377.13	0.00003	0.00002	0.00002	
3765279.99	0.00002	0.00002	0.00002	
3765182.85	0.00002	0.00002	0.00002	
3765085.71	0.00002	0.00002	0.00002	
3764988.57	0.00002	0.00002	0.00002	
3764891.43	0.00002	0.00002	0.00002	
3764794.29	0.00002	0.00002	0.00002	
3764697.15	0.00002	0.00002	0.00002	
3764600.01	0.00002	0.00002	0.00002	
3764502.87	0.00002	0.00002	0.00002	
3764405.73	0.00002	0.00002	0.00002	
3764308.59	0.00002	0.00002	0.00002	
3764211.45	0.00002	0.00002	0.00002	
3764114.31	0.00002	0.00002	0.00002	
3764017.17	0.00002	0.00002	0.00002	
3763920.03	0.00002	0.00002	0.00002	

*** AERMOD - VERSION 15181 *** *** C:\Lakes\AERMOD View\6351 Puente Hills Landfill Park\6351 Puente Hil *** 04/20/16
 *** AERMET - VERSION 14134 *** *** Perchloroethylene *** 16:18:50
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**MODELOPTs: RegDEFAULT CONC ELEV URBAN

*** THE ANNUAL AVERAGE CONCENTRATION VALUES AVERAGED OVER 5 YEARS FOR SOURCE GROUP: ALL ***
 INCLUDING SOURCE(S): FLARE1 , FLARE2 , FLARE3 , FLARE4 , FLARE5 ,
 FLARE6 , FLARE7 , FLARE8 , FLARE9 , FLARE10 , FLARE11 , FLARE12 , FLARE13 ,
 FLARE14 , FLARE15 , FLARE16 , FLARE17 , FLARE18 , FLARE19 , FLARE20 , FLARE21 ,
 FLARE22 , FLARE23 , FLARE24 ,

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

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

**

X-COORD (M)	Y-COORD (M)	CONC	X-COORD (M)	Y-COORD (M)	CONC
405475.87	3765283.33	0.00091	405487.28	3765227.63	0.00049
405496.83	3765177.10	0.00046	405361.06	3765124.16	0.00043
405556.64	3765179.21	0.00039	405516.99	3765024.87	0.00019
405795.26	3765005.20	0.00010	406083.86	3765241.01	0.00007
406158.41	3764974.02	0.00006	405659.63	3764787.39	0.00008
405927.52	3765602.51	0.00021			

*** AERMOD - VERSION 15181 *** C:\Lakes\AERMOD View\6351 Puente Hills Landfill Park\6351 Puente Hil *** 04/20/16
 *** AERMET - VERSION 14134 *** Perchloroethylene *** 16:18:50
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**MODELOPTs: RegDEFAULT CONC ELEV URBAN

*** THE 1ST HIGHEST 1-HR AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: ALL ***
 INCLUDING SOURCE(S): FLARE1 , FLARE2 , FLARE3 , FLARE4 , FLARE5 ,
 FLARE6 , FLARE7 , FLARE8 , FLARE9 , FLARE10 , FLARE11 , FLARE12 , FLARE13 ,
 FLARE14 , FLARE15 , FLARE16 , FLARE17 , FLARE18 , FLARE19 , FLARE20 , FLARE21 ,
 FLARE22 , FLARE23 , FLARE24 ,

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

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

**

Y-COORD (METERS)	404717.46	404876.53	X-COORD (METERS) 405035.60	405194.67	405353.74
3765862.8	0.00349 (08010421)	0.00393 (08010422)	0.00472 (08012705)	0.00540 (10122017)	0.00545 (08010501)
3765765.7	0.00355 (08010421)	0.00456 (08010421)	0.00540 (08010422)	0.00639 (10122017)	0.00700 (08010501)
3765668.5	0.00315 (08010421)	0.00484 (08010421)	0.00631 (08010422)	0.00742 (08010423)	0.00923 (08010501)
3765571.4	0.00316 (08012421)	0.00419 (08010421)	0.00682 (08010421)	0.00940 (08010422)	0.01228 (08010501)
3765474.3	0.00325 (12041104)	0.00341 (08012421)	0.00563 (08010421)	0.01097 (08010422)	0.01852 (08010424)
3765377.1	0.00383 (11032018)	0.00431 (11032018)	0.00469 (12042514)	0.01113 (10100512)	0.03766 (08010424)
3765280.0	0.00481 (11032018)	0.00622 (11032018)	0.00788 (11032018)	0.01270 (10102712)	0.01611 (08101709)
3765182.8	0.00463 (11032018)	0.00583 (11032018)	0.00735 (08022207)	0.01691 (11120103)	0.02873 (11120103)
3765085.7	0.00459 (08022207)	0.00613 (08022207)	0.00991 (11120103)	0.01969 (08012701)	0.01806 (08010701)
3764988.6	0.00450 (08022207)	0.00510 (08022207)	0.00902 (08012701)	0.01427 (08012620)	0.00835 (08010701)
3764891.4	0.00358 (08022207)	0.00476 (08012620)	0.00754 (08012620)	0.01233 (08010701)	0.01216 (09060302)
3764794.3	0.00347 (08012624)	0.00492 (08012624)	0.00629 (08112604)	0.00947 (08010701)	0.00841 (09060302)
3764697.1	0.00369 (08012624)	0.00449 (08012619)	0.00624 (08022206)	0.00573 (08010623)	0.00545 (10120518)
3764600.0	0.00348 (08012624)	0.00401 (08112604)	0.00583 (08022206)	0.00482 (09060302)	0.00547 (09060302)
3764502.9	0.00319 (08022323)	0.00352 (12030705)	0.00474 (08022206)	0.00497 (09060302)	0.00561 (09060302)
3764405.7	0.00291 (12030705)	0.00328 (08022206)	0.00408 (08010623)	0.00480 (09060302)	0.00484 (09060302)
3764308.6	0.00278 (12030705)	0.00326 (08010623)	0.00349 (08010623)	0.00446 (09060302)	0.00412 (09060302)
3764211.4	0.00306 (12030705)	0.00343 (08010623)	0.00309 (09060302)	0.00410 (09060302)	0.00340 (09060302)
3764114.3	0.00280 (08010623)	0.00272 (08010623)	0.00300 (09060302)	0.00374 (09060302)	0.00304 (09060302)

3764017.2		0.00211 (08010623)	0.00209 (08010623)	0.00286 (09060302)	0.00342 (09060302)	0.00264 (09060302)
3763920.0		0.00191 (08010623)	0.00179 (08010623)	0.00283 (09060302)	0.00335 (09060302)	0.00219 (09060302)

*** AERMOD - VERSION 15181 ***	*** C:\Lakes\AERMOD View\6351 Puente Hills Landfill Park\6351 Puente Hil ***	04/20/16
*** AERMET - VERSION 14134 ***	*** Perchloroethylene ***	16:18:50
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**MODELOPTs: RegDEFAULT CONC ELEV URBAN

*** THE 1ST HIGHEST 1-HR AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: ALL ***
INCLUDING SOURCE(S): FLARE1 , FLARE2 , FLARE3 , FLARE4 , FLARE5 ,
FLARE6 , FLARE7 , FLARE8 , FLARE9 , FLARE10 , FLARE11 , FLARE12 , FLARE13 ,
FLARE14 , FLARE15 , FLARE16 , FLARE17 , FLARE18 , FLARE19 , FLARE20 , FLARE21 ,
FLARE22 , FLARE23 , FLARE24 ,

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

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

Y-COORD (METERS)	405512.81	405671.88	405830.95	405990.02	406149.09
3765862.8	0.00566 (10033118)	0.00518 (10042118)	0.00445 (11102318)	0.00384 (12041318)	0.00353 (12090919)
3765765.7	0.00659 (10033118)	0.00632 (10042118)	0.00485 (08020318)	0.00432 (12090919)	0.00355 (12090919)
3765668.5	0.00746 (10033118)	0.00728 (10042118)	0.00533 (12041318)	0.00451 (12090919)	0.00391 (12031819)
3765571.4	0.00962 (10042118)	0.00710 (10042118)	0.00558 (12090919)	0.00490 (12031818)	0.00394 (12031818)
3765474.3	0.01332 (10042118)	0.00651 (12121813)	0.00595 (12031818)	0.00469 (12031818)	0.00325 (12031818)
3765377.1	0.01606 (08052114)	0.00831 (12031815)	0.00473 (12031818)	0.00308 (12031818)	0.00222 (10123010)
3765280.0	0.01729 (12012113)	0.01101 (12111014)	0.00510 (12111014)	0.00340 (10122923)	0.00294 (10122923)
3765182.8	0.01760 (09022810)	0.01022 (10122923)	0.00850 (10122923)	0.00610 (10122923)	0.00562 (10122923)
3765085.7	0.01345 (09011809)	0.00825 (10112810)	0.00868 (10122923)	0.00801 (10122923)	0.00595 (10122923)
3764988.6	0.01014 (09011808)	0.00658 (11111008)	0.00730 (09102718)	0.00512 (10122923)	0.00451 (11030721)
3764891.4	0.00881 (10010903)	0.00725 (12121819)	0.00819 (09102718)	0.00566 (09102718)	0.00428 (10120102)
3764794.3	0.00543 (10010903)	0.00718 (10110404)	0.00606 (12121818)	0.00444 (09102718)	0.00535 (08122103)
3764697.1	0.00399 (10010903)	0.00572 (09011807)	0.00577 (08122803)	0.00588 (09012705)	0.00510 (10011108)
3764600.0	0.00439 (08011224)	0.00662 (09040502)	0.00601 (11022802)	0.00547 (08112603)	0.00479 (09030706)
3764502.9	0.00434 (08011224)	0.00603 (12101721)	0.00549 (10111323)	0.00497 (09011022)	0.00454 (10110523)
3764405.7	0.00381 (08011224)	0.00530 (08121022)	0.00504 (10121119)	0.00465 (12101501)	0.00421 (08112603)
3764308.6	0.00335 (08011224)	0.00480 (12010208)	0.00461 (08100624)	0.00416 (08011420)	0.00395 (10123101)
3764211.4	0.00291 (08011224)	0.00430 (08032304)	0.00419 (09040502)	0.00374 (10030504)	0.00349 (08122803)
3764114.3	0.00240 (08011224)	0.00392 (09011423)	0.00351 (10111204)	0.00257 (10110404)	0.00242 (08121003)
3764017.2	0.00184 (11012704)	0.00306 (09011423)	0.00243 (10111204)	0.00265 (09011808)	0.00215 (09011808)
3763920.0	0.00142 (11012704)	0.00201 (09011423)	0.00192 (10123106)	0.00244 (09011808)	0.00210 (09011808)

*** AERMOD - VERSION 15181 ***	*** C:\Lakes\AERMOD View\6351 Puente Hills Landfill Park\6351 Puente Hil ***	04/20/16
*** AERMET - VERSION 14134 ***	*** Perchloroethylene ***	16:18:50
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**MODELOPTs: RegDEFAULT CONC ELEV URBAN

*** THE 1ST HIGHEST 1-HR AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: ALL ***
INCLUDING SOURCE(S): FLARE1 , FLARE2 , FLARE3 , FLARE4 , FLARE5 ,

FLARE6 , FLARE7 , FLARE8 , FLARE9 , FLARE10 , FLARE11 , FLARE12 , FLARE13 ,
FLARE14 , FLARE15 , FLARE16 , FLARE17 , FLARE18 , FLARE19 , FLARE20 , FLARE21 ,
FLARE22 , FLARE23 , FLARE24 ,

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

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

**

Y-COORD (METERS)	406308.16	406467.23	X-COORD (METERS) 406626.30	406785.37	406944.44
3765862.8	0.00285 (12031819)	0.00265 (12031819)	0.00229 (12031819)	0.00196 (10102806)	0.00182 (10102806)
3765765.7	0.00320 (12031819)	0.00271 (12031819)	0.00223 (10102806)	0.00204 (10102806)	0.00181 (10102806)
3765668.5	0.00323 (12031818)	0.00254 (12031818)	0.00226 (10102806)	0.00196 (10102806)	0.00172 (10102806)
3765571.4	0.00294 (12031818)	0.00244 (10102806)	0.00206 (10102806)	0.00173 (10102806)	0.00184 (10102806)
3765474.3	0.00246 (10102806)	0.00205 (10102806)	0.00166 (10102806)	0.00172 (10110817)	0.00202 (10110817)
3765377.1	0.00203 (10110817)	0.00253 (10110817)	0.00192 (10110817)	0.00222 (10110817)	0.00218 (10110817)
3765280.0	0.00304 (10122923)	0.00264 (10110817)	0.00224 (10110817)	0.00235 (10110817)	0.00221 (10110817)
3765182.8	0.00433 (10122923)	0.00346 (10122923)	0.00280 (10122923)	0.00225 (10122923)	0.00210 (10110817)
3765085.7	0.00534 (10122923)	0.00428 (10122923)	0.00347 (10122923)	0.00277 (10122923)	0.00238 (11030722)
3764988.6	0.00475 (10122923)	0.00439 (10122923)	0.00356 (10122923)	0.00302 (10122923)	0.00258 (10122923)
3764891.4	0.00317 (09102717)	0.00318 (11030721)	0.00286 (08052119)	0.00283 (08052119)	0.00269 (10122923)
3764794.3	0.00460 (10113005)	0.00406 (08122002)	0.00321 (10012307)	0.00234 (11030721)	0.00244 (08052119)
3764697.1	0.00447 (08042801)	0.00398 (10102719)	0.00349 (12030702)	0.00236 (08122002)	0.00208 (11030721)
3764600.0	0.00426 (10011108)	0.00378 (08042801)	0.00335 (10102719)	0.00252 (10113005)	0.00185 (09102717)
3764502.9	0.00398 (09070623)	0.00361 (09092905)	0.00322 (08042801)	0.00230 (11022803)	0.00200 (09102721)
3764405.7	0.00378 (08112807)	0.00346 (09070623)	0.00307 (09092905)	0.00202 (08122103)	0.00215 (09102721)
3764308.6	0.00355 (10110523)	0.00322 (09030706)	0.00293 (09111106)	0.00213 (08012607)	0.00206 (09102721)
3764211.4	0.00329 (08112603)	0.00310 (09122001)	0.00283 (08031106)	0.00255 (11021806)	0.00198 (09102718)
3764114.3	0.00324 (08122001)	0.00294 (08112107)	0.00271 (08112807)	0.00252 (08122101)	0.00187 (09102718)
3764017.2	0.00308 (08122803)	0.00280 (08111406)	0.00264 (10110523)	0.00243 (08013106)	0.00184 (08122101)
3763920.0	0.00286 (09121606)	0.00264 (08122708)	0.00249 (09030206)	0.00231 (08112807)	0.00207 (08013106)

*** AERMOD - VERSION 15181 *** C:\Lakes\AERMOD View\6351 Puente Hills Landfill Park\6351 Puente Hil ***
*** AERMET - VERSION 14134 *** Perchloroethylene ***

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16:18:50
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**MODELOPTs: RegDEFAULT CONC ELEV URBAN

*** THE 1ST HIGHEST 1-HR AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: ALL ***
INCLUDING SOURCE(S): FLARE1 , FLARE2 , FLARE3 , FLARE4 , FLARE5 ,
FLARE6 , FLARE7 , FLARE8 , FLARE9 , FLARE10 , FLARE11 , FLARE12 , FLARE13 ,
FLARE14 , FLARE15 , FLARE16 , FLARE17 , FLARE18 , FLARE19 , FLARE20 , FLARE21 ,
FLARE22 , FLARE23 , FLARE24 ,

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

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

**

Y-COORD (METERS)	407103.51	407262.58	X-COORD (METERS) 407421.65	407580.72	407739.79

3765862.8	0.00165	(10102806)	0.00147	(10102806)	0.00130	(10102806)	0.00115	(10102806)	0.00102	(10102806)
3765765.7	0.00158	(10102806)	0.00138	(10102806)	0.00120	(10102806)	0.00105	(10102806)	0.00091	(12081020)
3765668.5	0.00144	(10102806)	0.00124	(10102806)	0.00107	(10102806)	0.00100	(10110817)	0.00096	(10110817)
3765571.4	0.00135	(10110817)	0.00133	(10110817)	0.00131	(10110817)	0.00113	(10110817)	0.00106	(10110817)
3765474.3	0.00192	(10110817)	0.00182	(10110817)	0.00171	(10110817)	0.00131	(10110817)	0.00118	(10110817)
3765377.1	0.00205	(10110817)	0.00193	(10110817)	0.00181	(10110817)	0.00165	(10110817)	0.00144	(10110817)
3765280.0	0.00206	(10110817)	0.00194	(10110817)	0.00181	(10110817)	0.00167	(10110817)	0.00156	(10110817)
3765182.8	0.00195	(10110817)	0.00167	(10110817)	0.00165	(10110817)	0.00155	(10110817)	0.00145	(10110817)
3765085.7	0.00198	(11030722)	0.00171	(09113004)	0.00170	(11030722)	0.00159	(11030722)	0.00146	(11030722)
3764988.6	0.00221	(10122923)	0.00201	(11030722)	0.00185	(11030722)	0.00169	(11030722)	0.00156	(11030722)
3764891.4	0.00247	(10122923)	0.00216	(10122923)	0.00185	(10122923)	0.00169	(12121821)	0.00157	(11030722)
3764794.3	0.00238	(10122923)	0.00217	(10122923)	0.00183	(08052119)	0.00158	(12121821)	0.00156	(12121821)
3764697.1	0.00221	(08052119)	0.00209	(08052119)	0.00193	(08052119)	0.00156	(08011406)	0.00147	(08052119)
3764600.0	0.00192	(08052119)	0.00193	(08052119)	0.00186	(08052119)	0.00163	(11030721)	0.00150	(08052119)
3764502.9	0.00161	(08052119)	0.00169	(08052119)	0.00165	(08052119)	0.00161	(08052119)	0.00154	(11030721)
3764405.7	0.00178	(09102721)	0.00155	(09102721)	0.00141	(08052119)	0.00146	(11030721)	0.00144	(08052119)
3764308.6	0.00192	(09102721)	0.00168	(09102721)	0.00139	(09102721)	0.00115	(09102721)	0.00112	(11030721)
3764211.4	0.00187	(09102721)	0.00172	(09102721)	0.00157	(09102721)	0.00136	(09102721)	0.00111	(09102721)
3764114.3	0.00165	(09102718)	0.00171	(09102721)	0.00161	(09102721)	0.00148	(09102721)	0.00134	(09102721)
3764017.2	0.00166	(09102718)	0.00155	(09102718)	0.00156	(09102721)	0.00148	(09102721)	0.00136	(09102721)
3763920.0	0.00156	(09102807)	0.00164	(09102718)	0.00153	(09102718)	0.00135	(09102721)	0.00119	(09102721)

*** AERMOD - VERSION 15181 *** *** C:\Lakes\AERMOD View\6351 Puente Hills Landfill Park\6351 Puente Hil *** 04/20/16
 *** AERMET - VERSION 14134 *** *** Perchloroethylene *** 16:18:50
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**MODELOPTs: RegDEFAULT CONC ELEV URBAN

*** THE 1ST HIGHEST 1-HR AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: ALL ***
 INCLUDING SOURCE(S): FLARE1 , FLARE2 , FLARE3 , FLARE4 , FLARE5 ,
 FLARE6 , FLARE7 , FLARE8 , FLARE9 , FLARE10 , FLARE11 , FLARE12 , FLARE13 ,
 FLARE14 , FLARE15 , FLARE16 , FLARE17 , FLARE18 , FLARE19 , FLARE20 , FLARE21 ,
 FLARE22 , FLARE23 , FLARE24 ,

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

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

**

Y-COORD (METERS) | 407898.86 X-COORD (METERS)

3765862.8	0.00091	(12081020)
3765765.7	0.00082	(10110817)
3765668.5	0.00092	(10110817)
3765571.4	0.00101	(10110817)
3765474.3	0.00109	(10110817)
3765377.1	0.00135	(10110817)
3765280.0	0.00145	(10110817)
3765182.8	0.00137	(10110817)

3765085.7 | 0.00136 (11030722)
3764988.6 | 0.00145 (11030722)
3764891.4 | 0.00146 (11030722)
3764794.3 | 0.00146 (12121821)
3764697.1 | 0.00149 (08052119)
3764600.0 | 0.00152 (08052119)
3764502.9 | 0.00150 (08052119)
3764405.7 | 0.00138 (11030721)
3764308.6 | 0.00106 (11030721)
3764211.4 | 0.00093 (11030721)
3764114.3 | 0.00097 (09102721)
3764017.2 | 0.00101 (09102721)
3763920.0 | 0.00103 (09102721)

*** AERMOD - VERSION 15181 *** C:\Lakes\AERMOD View\6351 Puente Hills Landfill Park\6351 Puente Hil *** 04/20/16
*** AERMET - VERSION 14134 *** Perchloroethylene *** 16:18:50
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**MODELOPTs: RegDEFAULT CONC ELEV URBAN

*** THE 1ST HIGHEST 1-HR AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: ALL ***
INCLUDING SOURCE(S): FLARE1 , FLARE2 , FLARE3 , FLARE4 , FLARE5 ,
FLARE6 , FLARE7 , FLARE8 , FLARE9 , FLARE10 , FLARE11 , FLARE12 , FLARE13 ,
FLARE14 , FLARE15 , FLARE16 , FLARE17 , FLARE18 , FLARE19 , FLARE20 , FLARE21 ,
FLARE22 , FLARE23 , FLARE24 ,

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

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

**

X-COORD (M)	Y-COORD (M)	CONC	(YYMMDDHH)	X-COORD (M)	Y-COORD (M)	CONC	(YYMMDDHH)
405475.87	3765283.33	0.01816	(10012115)	405487.28	3765227.63	0.01360	(12080612)
405496.83	3765177.10	0.01886	(10102809)	405361.06	3765124.16	0.01824	(08010701)
405556.64	3765179.21	0.01592	(12071216)	405516.99	3765024.87	0.01034	(08031008)
405795.26	3765005.20	0.00753	(09102718)	406083.86	3765241.01	0.00387	(10122923)
406158.41	3764974.02	0.00424	(11030721)	405659.63	3764787.39	0.00727	(10110404)
405927.52	3765602.51	0.00482	(12090919)				

*** AERMOD - VERSION 15181 *** C:\Lakes\AERMOD View\6351 Puente Hills Landfill Park\6351 Puente Hil *** 04/20/16
*** AERMET - VERSION 14134 *** Perchloroethylene *** 16:18:50
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**MODELOPTs: RegDEFAULT CONC ELEV URBAN

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

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

**

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

ALL	1ST HIGHEST VALUE IS	0.00111 AT (	405512.81,	3765377.13,	138.00,	308.00,	0.00)	GC	UCART1
	2ND HIGHEST VALUE IS	0.00091 AT (	405475.87,	3765283.33,	178.49,	306.00,	0.00)	DC	
	3RD HIGHEST VALUE IS	0.00086 AT (	405512.81,	3765474.27,	122.70,	311.00,	0.00)	GC	UCART1
	4TH HIGHEST VALUE IS	0.00085 AT (	405353.74,	3765377.13,	180.70,	305.00,	0.00)	GC	UCART1
	5TH HIGHEST VALUE IS	0.00075 AT (	405512.81,	3765279.99,	174.60,	306.00,	0.00)	GC	UCART1
	6TH HIGHEST VALUE IS	0.00063 AT (	405353.74,	3765474.27,	163.10,	306.00,	0.00)	GC	UCART1
	7TH HIGHEST VALUE IS	0.00060 AT (	405512.81,	3765571.41,	117.00,	311.00,	0.00)	GC	UCART1
	8TH HIGHEST VALUE IS	0.00058 AT (	405353.74,	3765182.85,	181.90,	306.00,	0.00)	GC	UCART1
	9TH HIGHEST VALUE IS	0.00058 AT (	405353.74,	3765279.99,	181.00,	305.00,	0.00)	GC	UCART1
	10TH HIGHEST VALUE IS	0.00051 AT (	405671.88,	3765474.27,	125.40,	311.00,	0.00)	GC	UCART1

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

*** AERMOD - VERSION	15181 ***	*** C:\Lakes\AERMOD View\6351 Puente Hills Landfill Park\6351 Puente Hil	***	04/20/16
*** AERMET - VERSION	14134 ***	*** Perchloroethylene	***	16:18:50
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**MODELOPTs: RegDFAULT CONC ELEV URBAN

*** THE SUMMARY OF HIGHEST 1-HR RESULTS ***

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

**

GROUP ID		AVERAGE CONC	DATE (YYMMDDHH)	RECEPTOR (XR, YR, ZELEV, ZHILL, ZFLAG)	OF TYPE	NETWORK GRID-ID
ALL	HIGH 1ST HIGH VALUE IS	0.03766	ON 08010424: AT (	405353.74, 3765377.13, 180.70, 305.00,	0.00)	GC UCART1

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

*** AERMOD - VERSION	15181 ***	*** C:\Lakes\AERMOD View\6351 Puente Hills Landfill Park\6351 Puente Hil	***	04/20/16
*** AERMET - VERSION	14134 ***	*** Perchloroethylene	***	16:18:50
				PAGE 27

**MODELOPTs: RegDFAULT CONC ELEV URBAN

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

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

A Total of	0 Fatal Error Message(s)
A Total of	0 Warning Message(s)

A Total of 1222 Informational Message(s)
A Total of 43848 Hours Were Processed
A Total of 13 Calm Hours Identified
A Total of 1209 Missing Hours Identified (2.76 Percent)

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

***** WARNING MESSAGES *****
*** NONE ***

*** AERMOD Finishes Successfully ***

```

** Lakes Environmental AERMOD MPI
**
*****
**
** AERMOD Input Produced by:
** AERMOD View Ver. 9.1.0
** Lakes Environmental Software Inc.
** Date: 4/20/2016
** File: C:\Lakes\AERMOD View\Puente Hills LFP Trichloroethane\Puente Hills LFP Trichloroethane.ADI
**
*****
**
**
*****
** AERMOD Control Pathway
*****
**
**
CO STARTING
  TITLEONE C:\Lakes\AERMOD View\6351 Puente Hills Landfill Park\6351 Puente Hil
  TITLETWO Trichloroethylene
  MODELOPT DFAULT CONC
  AVERTIME 1 ANNUAL
  URBANOPT 9862049 Los_Angeles_County
  POLLUTID TRICHLOR
  RUNORNOT RUN
  ERRORFIL "Puente Hills LFP Trichloroethane.err"
CO FINISHED
**
*****
** AERMOD Source Pathway
*****
**
**
SO STARTING
** Source Location **
** Source ID - Type - X Coord. - Y Coord. **
  LOCATION FLARE1      POINT      405412.404  3765266.480    181.580
** DESCRSRC Flares (24 total)
  LOCATION FLARE2      POINT      405417.595  3765268.614    181.640
** DESCRSRC Flares (24 total)
  LOCATION FLARE3      POINT      405415.440  3765263.023    181.620
** DESCRSRC Flares (24 total)
  LOCATION FLARE4      POINT      405420.770  3765264.143    181.690
** DESCRSRC Flares (24 total)
  LOCATION FLARE5      POINT      405417.256  3765258.874    181.640
** DESCRSRC Flares (24 total)
  LOCATION FLARE6      POINT      405423.409  3765260.689    181.720
** DESCRSRC Flares (24 total)
  LOCATION FLARE7      POINT      405418.220  3765254.700    181.650
** DESCRSRC Flares (24 total)

```

LOCATION	FLARE8	POINT	405426.799	3765256.850	181.770
**	DESCRSRC	Flares (24 total)			
LOCATION	FLARE9	POINT	405420.223	3765250.883	181.680
**	DESCRSRC	Flares (24 total)			
LOCATION	FLARE10	POINT	405429.052	3765252.454	181.800
**	DESCRSRC	Flares (24 total)			
LOCATION	FLARE11	POINT	405423.375	3765246.684	181.720
**	DESCRSRC	Flares (24 total)			
LOCATION	FLARE12	POINT	405431.589	3765249.405	181.830
**	DESCRSRC	Flares (24 total)			
LOCATION	FLARE13	POINT	405427.483	3765241.984	181.780
**	DESCRSRC	Flares (24 total)			
LOCATION	FLARE14	POINT	405433.797	3765244.836	181.860
**	DESCRSRC	Flares (24 total)			
LOCATION	FLARE15	POINT	405430.394	3765236.806	181.820
**	DESCRSRC	Flares (24 total)			
LOCATION	FLARE16	POINT	405436.611	3765241.272	181.900
**	DESCRSRC	Flares (24 total)			
LOCATION	FLARE17	POINT	405433.570	3765232.416	181.860
**	DESCRSRC	Flares (24 total)			
LOCATION	FLARE18	POINT	405439.798	3765236.907	181.940
**	DESCRSRC	Flares (24 total)			
LOCATION	FLARE19	POINT	405436.746	3765227.834	181.900
**	DESCRSRC	Flares (24 total)			
LOCATION	FLARE20	POINT	405442.425	3765233.337	181.970
**	DESCRSRC	Flares (24 total)			
LOCATION	FLARE21	POINT	405440.173	3765223.711	181.940
**	DESCRSRC	Flares (24 total)			
LOCATION	FLARE22	POINT	405445.453	3765228.464	181.980
**	DESCRSRC	Flares (24 total)			
LOCATION	FLARE23	POINT	405442.883	3765219.270	181.980
**	DESCRSRC	Flares (24 total)			
LOCATION	FLARE24	POINT	405449.335	3765223.937	181.930
**	DESCRSRC	Flares (24 total)			
**	Source Parameters	**			
SRCPARAM	FLARE1	0.0000104369	10.226	1088.706	4.245 2.530
SRCPARAM	FLARE2	0.0000104369	10.226	1088.706	4.245 2.530
SRCPARAM	FLARE3	0.0000104369	10.226	1088.706	4.245 2.530
SRCPARAM	FLARE4	0.0000104369	10.226	1088.706	4.245 2.530
SRCPARAM	FLARE5	0.0000104369	10.226	1088.706	4.245 2.530
SRCPARAM	FLARE6	0.0000104369	10.226	1088.706	4.245 2.530
SRCPARAM	FLARE7	0.0000104369	10.226	1088.706	4.245 2.530
SRCPARAM	FLARE8	0.0000104369	10.226	1088.706	4.245 2.530
SRCPARAM	FLARE9	0.0000104369	10.226	1088.706	4.245 2.530
SRCPARAM	FLARE10	0.0000104369	10.226	1088.706	4.245 2.530
SRCPARAM	FLARE11	0.0000104369	10.226	1088.706	4.245 2.530
SRCPARAM	FLARE12	0.0000104369	10.226	1088.706	4.245 2.530
SRCPARAM	FLARE13	0.0000104369	10.226	1088.706	4.245 2.530
SRCPARAM	FLARE14	0.0000104369	10.226	1088.706	4.245 2.530
SRCPARAM	FLARE15	0.0000104369	10.226	1088.706	4.245 2.530
SRCPARAM	FLARE16	0.0000104369	10.226	1088.706	4.245 2.530

SRCPARAM	FLARE17	0.0000104369	10.226	1088.706	4.245	2.530
SRCPARAM	FLARE18	0.0000104369	10.226	1088.706	4.245	2.530
SRCPARAM	FLARE19	0.0000104369	10.226	1088.706	4.245	2.530
SRCPARAM	FLARE20	0.0000104369	10.226	1088.706	4.245	2.530
SRCPARAM	FLARE21	0.0000104369	10.226	1088.706	4.245	2.530
SRCPARAM	FLARE22	0.0000104369	10.226	1088.706	4.245	2.530
SRCPARAM	FLARE23	0.0000104369	10.226	1088.706	4.245	2.530
SRCPARAM	FLARE24	0.0000104369	10.226	1088.706	4.245	2.530
URBANSRC	ALL					
SRCGROUP	ALL					

SO FINISHED
**

** AERMOD Receptor Pathway

**
**
RE STARTING
INCLUDED "Puente Hills LFP Trichloroethane.rou"
RE FINISHED
**

** AERMOD Meteorology Pathway

**
**
ME STARTING
SURFFILE "C:\Users\Kate Wilson\Desktop\Met data\pico8.sfc"
PROFFILE "C:\Users\Kate Wilson\Desktop\Met data\pico8.PFL"
SURFDATA 0 2008
UAIRDATA 3190 2008
SITEDATA 99999 2008
PROFBASE 58.0 METERS
ME FINISHED
**

** AERMOD Output Pathway

**
**
OU STARTING
RECTABLE ALLAVE 1ST
RECTABLE 1 1ST
** Auto-Generated Plotfiles
PLOTFILE 1 ALL 1ST "PUENTE HILLS LFP TRICHLOROETHANE.AD\01H1GALL.PLT" 31
PLOTFILE ANNUAL ALL "PUENTE HILLS LFP TRICHLOROETHANE.AD\AN00GALL.PLT" 32
SUMMFILE "Puente Hills LFP Trichloroethane.sum"
OU FINISHED

*** SETUP Finishes Successfully ***

*** AERMOD - VERSION 15181 *** *** C:\Lakes\AERMOD View\6351 Puente Hills Landfill Park\6351 Puente Hil *** 04/20/16
*** AERMET - VERSION 14134 *** *** Trichloroethylene *** 16:31:49
PAGE 1

**MODELOPTs: RegDEFAULT CONC ELEV URBAN

*** MODEL SETUP OPTIONS SUMMARY ***

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

-- DEPOSITION LOGIC --

**NO GAS DEPOSITION Data Provided.

**NO PARTICLE DEPOSITION Data Provided.

**Model Uses NO DRY DEPLETION. DRYDPLT = F

**Model Uses NO WET DEPLETION. WETDPLT = F

**Model Uses URBAN Dispersion Algorithm for the SBL for 24 Source(s),
for Total of 1 Urban Area(s):
Urban Population = 9862049.0 ; Urban Roughness Length = 1.000 m

**Model Uses Regulatory DEFAULT Options:

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

**Other Options Specified:

TEMP_Sub - Meteorological data includes TEMP substitutions

**Model Assumes No FLAGPOLE Receptor Heights.

**The User Specified a Pollutant Type of: TRICHLOR

**Model Calculates 1 Short Term Average(s) of: 1-HR
and Calculates ANNUAL Averages

**This Run Includes: 24 Source(s); 1 Source Group(s); and 452 Receptor(s)

with: 24 POINT(s), including
0 POINTCAP(s) and 0 POINTHOR(s)
and: 0 VOLUME source(s)
and: 0 AREA type source(s)
and: 0 LINE source(s)
and: 0 OPENPIT source(s)

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

**The AERMET Input Meteorological Data Version Date: 14134

**Output Options Selected:

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

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

**Misc. Inputs: Base Elev. for Pot. Temp. Profile (m MSL) = 58.00 ; 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: Puente Hills LFP Trichloroethane.err

**File for Summary of Results: Puente Hills LFP Trichloroethane.sum

*** AERMOD - VERSION 15181 *** C:\Lakes\AERMOD View\6351 Puente Hills Landfill Park\6351 Puente Hil *** 04/20/16
*** AERMET - VERSION 14134 *** Trichloroethylene *** 16:31:49
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**MODELOPTs: RegDFault CONC ELEV URBAN

*** POINT SOURCE DATA ***

SOURCE ID	NUMBER PART. CATS.	EMISSION RATE (GRAMS/SEC)	X (METERS)	Y (METERS)	BASE ELEV. (METERS)	STACK HEIGHT (METERS)	STACK TEMP. (DEG.K)	STACK EXIT VEL. (M/SEC)	STACK DIAMETER (METERS)	BLDG EXISTS	URBAN SOURCE	CAP/ HOR	EMIS RATE SCALAR VARY BY
FLARE1	0	0.10437E-04	405412.4	3765266.5	181.6	10.23	1088.71	4.25	2.53	NO	YES	NO	
FLARE2	0	0.10437E-04	405417.6	3765268.6	181.6	10.23	1088.71	4.25	2.53	NO	YES	NO	
FLARE3	0	0.10437E-04	405415.4	3765263.0	181.6	10.23	1088.71	4.25	2.53	NO	YES	NO	
FLARE4	0	0.10437E-04	405420.8	3765264.1	181.7	10.23	1088.71	4.25	2.53	NO	YES	NO	
FLARE5	0	0.10437E-04	405417.3	3765258.9	181.6	10.23	1088.71	4.25	2.53	NO	YES	NO	
FLARE6	0	0.10437E-04	405423.4	3765260.7	181.7	10.23	1088.71	4.25	2.53	NO	YES	NO	
FLARE7	0	0.10437E-04	405418.2	3765254.7	181.7	10.23	1088.71	4.25	2.53	NO	YES	NO	
FLARE8	0	0.10437E-04	405426.8	3765256.8	181.8	10.23	1088.71	4.25	2.53	NO	YES	NO	
FLARE9	0	0.10437E-04	405420.2	3765250.9	181.7	10.23	1088.71	4.25	2.53	NO	YES	NO	
FLARE10	0	0.10437E-04	405429.1	3765252.5	181.8	10.23	1088.71	4.25	2.53	NO	YES	NO	
FLARE11	0	0.10437E-04	405423.4	3765246.7	181.7	10.23	1088.71	4.25	2.53	NO	YES	NO	
FLARE12	0	0.10437E-04	405431.6	3765249.4	181.8	10.23	1088.71	4.25	2.53	NO	YES	NO	
FLARE13	0	0.10437E-04	405427.5	3765242.0	181.8	10.23	1088.71	4.25	2.53	NO	YES	NO	
FLARE14	0	0.10437E-04	405433.8	3765244.8	181.9	10.23	1088.71	4.25	2.53	NO	YES	NO	
FLARE15	0	0.10437E-04	405430.4	3765236.8	181.8	10.23	1088.71	4.25	2.53	NO	YES	NO	

FLARE16	0	0.10437E-04	405436.6	3765241.3	181.9	10.23	1088.71	4.25	2.53	NO	YES	NO
FLARE17	0	0.10437E-04	405433.6	3765232.4	181.9	10.23	1088.71	4.25	2.53	NO	YES	NO
FLARE18	0	0.10437E-04	405439.8	3765236.9	181.9	10.23	1088.71	4.25	2.53	NO	YES	NO
FLARE19	0	0.10437E-04	405436.7	3765227.8	181.9	10.23	1088.71	4.25	2.53	NO	YES	NO
FLARE20	0	0.10437E-04	405442.4	3765233.3	182.0	10.23	1088.71	4.25	2.53	NO	YES	NO
FLARE21	0	0.10437E-04	405440.2	3765223.7	181.9	10.23	1088.71	4.25	2.53	NO	YES	NO
FLARE22	0	0.10437E-04	405445.5	3765228.5	182.0	10.23	1088.71	4.25	2.53	NO	YES	NO
FLARE23	0	0.10437E-04	405442.9	3765219.3	182.0	10.23	1088.71	4.25	2.53	NO	YES	NO
FLARE24	0	0.10437E-04	405449.3	3765223.9	181.9	10.23	1088.71	4.25	2.53	NO	YES	NO

*** AERMOD - VERSION 15181 *** *** C:\Lakes\AERMOD View\6351 Puente Hills Landfill Park\6351 Puente Hil *** 04/20/16
 *** AERMET - VERSION 14134 *** *** Trichloroethylene *** 16:31:49
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**MODELOPTs: RegDFAULT CONC ELEV URBAN

*** SOURCE IDs DEFINING SOURCE GROUPS ***

SRCGROUP ID	SOURCE IDs															
-----	-----															
ALL	FLARE1	,	FLARE2	,	FLARE3	,	FLARE4	,	FLARE5	,	FLARE6	,	FLARE7	,	FLARE8	,
	FLARE9	,	FLARE10	,	FLARE11	,	FLARE12	,	FLARE13	,	FLARE14	,	FLARE15	,	FLARE16	,
	FLARE17	,	FLARE18	,	FLARE19	,	FLARE20	,	FLARE21	,	FLARE22	,	FLARE23	,	FLARE24	,

*** AERMOD - VERSION 15181 *** *** C:\Lakes\AERMOD View\6351 Puente Hills Landfill Park\6351 Puente Hil *** 04/20/16
 *** AERMET - VERSION 14134 *** *** Trichloroethylene *** 16:31:49
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**MODELOPTs: RegDFAULT CONC ELEV URBAN

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

URBAN ID	URBAN POP	SOURCE IDs															
-----	-----	-----															
FLARE8	9862049.	FLARE1	,	FLARE2	,	FLARE3	,	FLARE4	,	FLARE5	,	FLARE6	,	FLARE7	,		
		FLARE9	,	FLARE10	,	FLARE11	,	FLARE12	,	FLARE13	,	FLARE14	,	FLARE15	,	FLARE16	,
		FLARE17	,	FLARE18	,	FLARE19	,	FLARE20	,	FLARE21	,	FLARE22	,	FLARE23	,	FLARE24	,

*** AERMOD - VERSION 15181 *** *** C:\Lakes\AERMOD View\6351 Puente Hills Landfill Park\6351 Puente Hil *** 04/20/16
 *** AERMET - VERSION 14134 *** *** Trichloroethylene *** 16:31:49
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**MODELOPTs: RegDFAULT CONC ELEV URBAN

*** GRIDDED RECEPTOR NETWORK SUMMARY ***

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

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

404717.5, 404876.5, 405035.6, 405194.7, 405353.7, 405512.8, 405671.9, 405831.0, 405990.0, 406149.1,
406308.2, 406467.2, 406626.3, 406785.4, 406944.4, 407103.5, 407262.6, 407421.7, 407580.7, 407739.8,
407898.9,

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

3763920.0, 3764017.2, 3764114.3, 3764211.4, 3764308.6, 3764405.7, 3764502.9, 3764600.0, 3764697.1, 3764794.3,
3764891.4, 3764988.6, 3765085.7, 3765182.8, 3765280.0, 3765377.1, 3765474.3, 3765571.4, 3765668.5, 3765765.7,
3765862.8,

*** AERMOD - VERSION 15181 *** *** C:\Lakes\AERMOD View\6351 Puente Hills Landfill Park\6351 Puente Hil *** 04/20/16
*** AERMET - VERSION 14134 *** *** Trichloroethylene *** 16:31:49
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**MODELOPTs: RegDEFAULT CONC ELEV URBAN

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

* ELEVATION HEIGHTS IN METERS *

Y-COORD (METERS)	X-COORD (METERS)								
	404717.46	404876.53	405035.60	405194.67	405353.74	405512.81	405671.88	405830.95	405990.02
3765862.83	85.20	86.70	88.10	89.80	90.80	91.00	95.30	97.70	97.60
3765765.69	88.00	89.30	91.00	94.80	98.90	99.40	104.00	109.00	109.90
3765668.55	92.90	93.50	102.50	106.30	109.10	108.80	113.00	121.00	120.80
3765571.41	101.00	106.10	116.80	124.20	124.70	117.00	117.30	124.50	121.10
3765474.27	109.40	115.90	132.00	161.80	163.10	122.70	125.40	130.20	121.80
3765377.13	115.60	122.00	145.70	178.70	180.70	138.00	152.10	139.20	121.20
3765279.99	119.10	127.70	157.90	180.20	181.00	174.60	174.50	156.40	131.80
3765182.85	121.50	136.60	167.70	180.50	181.90	182.10	182.00	174.90	168.00
3765085.71	125.30	146.90	177.00	181.90	185.70	191.60	182.00	182.00	184.20
3764988.57	124.50	139.80	172.30	181.90	194.40	221.20	192.20	190.60	201.00
3764891.43	121.60	127.80	162.80	181.70	210.40	242.30	223.60	216.80	231.60
3764794.29	121.80	132.20	165.00	192.00	229.20	245.50	246.70	242.80	245.30
3764697.15	124.00	142.10	174.70	207.10	240.70	250.90	260.70	268.50	279.10
3764600.01	125.70	140.80	179.10	204.50	233.90	258.20	281.20	295.40	302.00
3764502.87	122.10	125.00	177.00	187.00	218.30	262.80	299.20	303.40	302.80
3764405.73	121.00	144.60	179.30	181.90	211.60	263.90	304.00	303.80	303.90
3764308.59	146.30	164.20	181.70	182.00	220.20	264.90	304.00	303.50	297.60
3764211.45	174.40	180.90	182.00	182.00	229.50	265.30	293.20	290.50	276.00
3764114.31	171.50	170.00	180.40	182.00	228.70	262.60	281.20	272.60	252.30

3764017.17	121.00	151.40	179.00	181.90	232.40	255.60	268.20	257.90	243.50
3763920.03	123.00	148.90	183.50	197.80	241.00	247.10	253.90	250.20	243.70

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*** AERMOD - VERSION 15181 ***   *** C:\Lakes\AERMOD View\6351 Puente Hills Landfill Park\6351 Puente Hil ***   04/20/16
*** AERMET - VERSION 14134 ***   *** Trichloroethylene ***   16:31:49
                                     PAGE 7

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**MODELOPTs: RegDEFAULT CONC ELEV URBAN

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

* ELEVATION HEIGHTS IN METERS *

Y-COORD (METERS)	406149.09	406308.16	406467.23	406626.30	406785.37	406944.44	407103.51	407262.58	407421.65
3765862.83	91.80	88.90	87.90	93.00	98.60	102.20	99.00	97.50	94.70
3765765.69	101.30	95.70	95.00	99.00	108.40	112.80	108.00	105.20	105.70
3765668.55	111.90	109.30	110.60	113.00	126.00	147.00	130.70	131.70	135.30
3765571.41	118.80	121.20	120.30	117.90	133.60	177.80	156.80	158.40	161.60
3765474.27	126.50	144.40	151.70	127.90	164.20	183.80	183.70	183.30	185.80
3765377.13	138.10	167.60	180.80	156.00	177.30	192.30	195.70	197.70	200.80
3765279.99	161.50	182.70	185.20	172.90	188.80	199.00	201.20	209.50	212.90
3765182.85	191.40	193.30	190.10	192.50	202.60	219.30	231.20	250.40	236.10
3765085.71	229.10	207.40	194.10	206.00	216.30	231.40	250.90	256.80	244.90
3764988.57	243.20	225.30	214.60	225.80	226.50	226.20	227.40	232.10	232.10
3764891.43	255.60	246.70	243.80	247.20	236.80	225.50	210.80	214.80	226.80
3764794.29	277.90	279.40	280.10	270.10	251.20	238.70	215.80	203.70	239.10
3764697.15	297.40	300.80	302.60	288.20	261.50	248.70	223.20	195.80	225.90
3764600.01	303.50	304.00	305.10	297.60	265.00	247.90	222.20	190.60	198.40
3764502.87	303.90	303.50	303.50	298.20	262.00	240.50	208.40	185.40	184.50
3764405.73	303.80	302.50	301.00	295.80	257.30	233.20	207.70	179.10	177.00
3764308.59	293.60	300.30	299.40	296.50	262.00	233.10	223.50	184.50	173.70
3764211.45	277.00	295.40	303.20	302.20	278.10	241.70	237.60	209.30	190.90
3764114.31	258.70	290.30	306.90	307.60	289.30	250.60	252.50	235.30	211.20
3764017.17	244.30	289.20	303.10	304.30	294.80	262.20	253.10	244.20	212.60
3763920.03	251.70	287.60	300.70	299.50	297.00	274.70	257.00	234.70	215.20

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*** AERMOD - VERSION 15181 ***   *** C:\Lakes\AERMOD View\6351 Puente Hills Landfill Park\6351 Puente Hil ***   04/20/16
*** AERMET - VERSION 14134 ***   *** Trichloroethylene ***   16:31:49
                                     PAGE 8

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**MODELOPTs: RegDEFAULT CONC ELEV URBAN

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

* ELEVATION HEIGHTS IN METERS *

Y-COORD (METERS)	407580.72	407739.79	407898.86

3765862.83	87.60	83.40	78.20
3765765.69	102.50	97.50	91.70
3765668.55	116.90	112.80	103.10
3765571.41	129.10	121.80	114.90
3765474.27	156.60	146.00	138.50
3765377.13	182.60	174.00	173.40
3765279.99	203.70	197.40	195.90
3765182.85	227.90	226.10	206.00
3765085.71	234.50	231.90	205.50
3764988.57	220.40	210.80	196.60
3764891.43	226.00	212.30	186.50
3764794.29	249.90	238.50	206.80
3764697.15	259.40	252.50	223.70
3764600.01	245.40	248.40	223.70
3764502.87	221.90	229.20	208.80
3764405.73	188.10	194.70	185.80
3764308.59	164.80	160.90	153.60
3764211.45	177.30	166.10	141.70
3764114.31	196.00	186.80	150.60
3764017.17	188.40	181.90	150.80
3763920.03	176.00	164.80	150.40

*** AERMOD - VERSION 15181 ***
 *** AERMET - VERSION 14134 ***

*** C:\Lakes\AERMOD View\6351 Puente Hills Landfill Park\6351 Puente Hil ***
 *** Trichloroethylene ***

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 16:31:49
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**MODELOPTs: RegDFAULT CONC ELEV URBAN

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

* HILL HEIGHT SCALES IN METERS *

Y-COORD (METERS)	404717.46	404876.53	405035.60	405194.67	405353.74	405512.81	405671.88	405830.95	405990.02
3765862.83	306.00	306.00	306.00	307.00	308.00	311.00	311.00	311.00	311.00
3765765.69	306.00	306.00	306.00	308.00	308.00	311.00	311.00	311.00	311.00
3765668.55	306.00	306.00	306.00	307.00	308.00	311.00	311.00	311.00	311.00
3765571.41	306.00	306.00	306.00	306.00	306.00	311.00	311.00	311.00	311.00
3765474.27	306.00	306.00	306.00	305.00	306.00	311.00	311.00	311.00	311.00
3765377.13	306.00	306.00	306.00	304.00	305.00	308.00	308.00	311.00	311.00
3765279.99	306.00	306.00	305.00	304.00	305.00	306.00	306.00	311.00	311.00
3765182.85	306.00	306.00	305.00	305.00	306.00	306.00	306.00	308.00	311.00
3765085.71	306.00	305.00	304.00	305.00	306.00	306.00	307.00	308.00	311.00
3764988.57	306.00	306.00	305.00	305.00	305.00	304.00	306.00	308.00	308.00
3764891.43	306.00	307.00	306.00	305.00	304.00	304.00	306.00	306.00	306.00
3764794.29	306.00	307.00	305.00	305.00	304.00	304.00	304.00	306.00	306.00
3764697.15	307.00	306.00	305.00	304.00	304.00	304.00	304.00	304.00	304.00
3764600.01	307.00	307.00	305.00	304.00	304.00	304.00	304.00	304.00	302.00
3764502.87	308.00	354.00	305.00	305.00	304.00	304.00	304.00	303.40	302.80
3764405.73	349.00	307.00	304.00	305.00	304.00	304.00	304.00	303.80	303.90

3764308.59		304.00	304.00	304.00	305.00	304.00	304.00	304.00	303.50	297.60
3764211.45		304.00	304.00	304.00	307.00	304.00	304.00	304.00	304.00	304.00
3764114.31		304.00	304.00	304.00	307.00	304.00	304.00	304.00	304.00	308.00
3764017.17		354.00	354.00	304.00	354.00	304.00	304.00	304.00	304.00	308.00
3763920.03		354.00	354.00	304.00	304.00	304.00	304.00	304.00	304.00	308.00

*** AERMOD - VERSION 15181 *** *** C:\Lakes\AERMOD View\6351 Puente Hills Landfill Park\6351 Puente Hil *** 04/20/16
 *** AERMET - VERSION 14134 *** *** Trichloroethylene *** 16:31:49
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**MODELOPTs: RegDFAULT CONC ELEV URBAN

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

* HILL HEIGHT SCALES IN METERS *

Y-COORD (METERS)		406149.09	406308.16	406467.23	406626.30	406785.37	406944.44	407103.51	407262.58	407421.65
3765862.83		311.00	311.00	311.00	311.00	311.00	311.00	311.00	311.00	311.00
3765765.69		311.00	311.00	311.00	311.00	311.00	311.00	311.00	311.00	311.00
3765668.55		311.00	311.00	311.00	311.00	311.00	311.00	311.00	311.00	311.00
3765571.41		311.00	311.00	311.00	311.00	311.00	306.00	311.00	306.00	306.00
3765474.27		311.00	311.00	311.00	311.00	311.00	306.00	306.00	306.00	267.00
3765377.13		311.00	311.00	306.00	311.00	311.00	306.00	306.00	306.00	267.00
3765279.99		311.00	311.00	311.00	311.00	311.00	306.00	306.00	302.00	263.00
3765182.85		308.00	311.00	311.00	311.00	306.00	306.00	263.00	263.00	263.00
3765085.71		306.00	306.00	311.00	311.00	306.00	306.00	259.00	263.00	263.00
3764988.57		306.00	306.00	311.00	306.00	306.00	306.00	306.00	263.00	267.00
3764891.43		306.00	306.00	306.00	306.00	306.00	311.00	311.00	311.00	267.00
3764794.29		305.00	306.00	306.00	306.00	306.00	306.00	311.00	311.00	267.00
3764697.15		303.00	300.80	302.60	306.00	306.00	306.00	311.00	311.00	267.00
3764600.01		303.50	304.00	305.10	306.00	306.00	311.00	311.00	311.00	311.00
3764502.87		303.90	303.50	303.50	306.00	311.00	311.00	311.00	311.00	311.00
3764405.73		303.80	302.50	301.00	304.00	311.00	311.00	311.00	354.00	354.00
3764308.59		304.00	300.30	299.40	296.50	311.00	311.00	311.00	354.00	354.00
3764211.45		304.00	295.40	303.20	302.20	311.00	311.00	311.00	345.00	354.00
3764114.31		308.00	307.00	306.90	307.60	311.00	311.00	311.00	311.00	345.00
3764017.17		311.00	307.00	303.10	304.30	311.00	311.00	311.00	311.00	354.00
3763920.03		309.00	304.00	300.70	299.50	297.00	311.00	311.00	345.00	354.00

*** AERMOD - VERSION 15181 *** *** C:\Lakes\AERMOD View\6351 Puente Hills Landfill Park\6351 Puente Hil *** 04/20/16
 *** AERMET - VERSION 14134 *** *** Trichloroethylene *** 16:31:49
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**MODELOPTs: RegDFAULT CONC ELEV URBAN

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

* HILL HEIGHT SCALES IN METERS *

Y-COORD		X-COORD (METERS)

(METERS)	407580.72	407739.79	407898.86
3765862.83	311.00	311.00	311.00
3765765.69	311.00	311.00	311.00
3765668.55	311.00	311.00	311.00
3765571.41	311.00	311.00	311.00
3765474.27	306.00	306.00	306.00
3765377.13	267.00	267.00	267.00
3765279.99	267.00	267.00	267.00
3765182.85	263.00	240.00	267.00
3765085.71	238.00	240.00	267.00
3764988.57	267.00	267.00	267.00
3764891.43	267.00	267.00	267.00
3764794.29	267.00	267.00	267.00
3764697.15	267.00	265.00	267.00
3764600.01	267.00	265.00	267.00
3764502.87	267.00	267.00	267.00
3764405.73	345.00	311.00	343.00
3764308.59	354.00	354.00	354.00
3764211.45	354.00	354.00	354.00
3764114.31	352.00	352.00	354.00
3764017.17	354.00	354.00	354.00
3763920.03	354.00	354.00	354.00

*** AERMOD - VERSION 15181 *** *** C:\Lakes\AERMOD View\6351 Puente Hills Landfill Park\6351 Puente Hil *** 04/20/16
 *** AERMET - VERSION 14134 *** *** Trichloroethylene *** 16:31:49
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**MODELOPTs: RegDEFAULT CONC ELEV URBAN

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

(405475.9, 3765283.3,	178.5,	306.0,	0.0);	(405487.3, 3765227.6,	181.1,	306.0,	0.0);
(405496.8, 3765177.1,	182.5,	306.0,	0.0);	(405361.1, 3765124.2,	183.8,	306.0,	0.0);
(405556.6, 3765179.2,	182.0,	306.0,	0.0);	(405517.0, 3765024.9,	207.2,	305.0,	0.0);
(405795.3, 3765005.2,	188.0,	308.0,	0.0);	(406083.9, 3765241.0,	155.0,	311.0,	0.0);
(406158.4, 3764974.0,	244.3,	306.0,	0.0);	(405659.6, 3764787.4,	247.3,	304.0,	0.0);
(405927.5, 3765602.5,	122.2,	311.0,	0.0);				

*** AERMOD - VERSION 15181 *** *** C:\Lakes\AERMOD View\6351 Puente Hills Landfill Park\6351 Puente Hil *** 04/20/16
 *** AERMET - VERSION 14134 *** *** Trichloroethylene *** 16:31:49
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**MODELOPTs: RegDEFAULT CONC ELEV URBAN

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

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

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

1.54, 3.09, 5.14, 8.23, 10.80,

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*** AERMOD - VERSION 15181 ***      *** C:\Lakes\AERMOD View\6351 Puente Hills Landfill Park\6351 Puente Hil ***      04/20/16
*** AERMET - VERSION 14134 ***      *** Trichloroethylene ***      16:31:49
                                     PAGE 14

**MODELOPTs:   RegDFAULT CONC      ELEV      URBAN

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

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Surface file: C:\Users\Kate Wilson\Desktop\Met data\pico8.sfc           Met Version: 14134
Profile file: C:\Users\Kate Wilson\Desktop\Met data\pico8.PFL
Surface format: FREE
Profile format: FREE
Surface station no.: 0           Upper air station no.: 3190
                Name: UNKNOWN                Name: UNKNOWN
                Year: 2008                  Year: 2008

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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
08	01	01	1	01	-999.0	-9.0000	-9.000	-9.000	-999.	-999.	-999999.0	0.34	1.00	1.00	999.00	999.	-9.0	285.4	5.5			
08	01	01	1	02	-999.0	-9.0000	-9.000	-9.000	-999.	-999.	-999999.0	0.34	1.00	1.00	999.00	999.	-9.0	284.2	5.5			
08	01	01	1	03	-999.0	-9.0000	-9.000	-9.000	-999.	-999.	-999999.0	0.34	1.00	1.00	999.00	999.	-9.0	283.8	5.5			
08	01	01	1	04	-999.0	-9.0000	-9.000	-9.000	-999.	-999.	-999999.0	0.34	1.00	1.00	999.00	999.	-9.0	284.2	5.5			
08	01	01	1	05	-999.0	-9.0000	-9.000	-9.000	-999.	-999.	-999999.0	0.34	1.00	1.00	999.00	999.	-9.0	284.9	5.5			
08	01	01	1	06	-999.0	-9.0000	-9.000	-9.000	-999.	-999.	-999999.0	0.34	1.00	1.00	999.00	999.	-9.0	285.4	5.5			
08	01	01	1	07	-999.0	-9.0000	-9.000	-9.000	-999.	-999.	-999999.0	0.34	1.00	1.00	999.00	999.	-9.0	285.9	5.5			
08	01	01	1	08	-999.0	-9.0000	-9.000	-9.000	-999.	-999.	-999999.0	0.34	1.00	0.54	999.00	999.	-9.0	286.4	5.5			
08	01	01	1	09	28.6	-9.0000	-9.000	-9.000	61.	-999.	-999999.0	0.34	1.00	0.32	999.00	999.	-9.0	287.0	5.5			
08	01	01	1	10	83.5	-9.0000	-9.000	-9.000	164.	-999.	-999999.0	0.34	1.00	0.24	999.00	999.	-9.0	289.2	5.5			
08	01	01	1	11	131.2	-9.0000	-9.000	-9.000	427.	-999.	-999999.0	0.34	1.00	0.21	999.00	999.	-9.0	292.5	5.5			
08	01	01	1	12	130.6	-9.0000	-9.000	-9.000	620.	-999.	-999999.0	0.34	1.00	0.20	999.00	999.	-9.0	294.2	5.5			
08	01	01	1	13	112.1	-9.0000	-9.000	-9.000	723.	-999.	-999999.0	0.34	1.00	0.20	999.00	999.	-9.0	294.9	5.5			
08	01	01	1	14	86.7	-9.0000	-9.000	-9.000	762.	-999.	-999999.0	0.34	1.00	0.21	999.00	999.	-9.0	294.9	5.5			
08	01	01	1	15	37.3	-9.0000	-9.000	-9.000	778.	-999.	-999999.0	0.34	1.00	0.25	999.00	999.	-9.0	294.2	5.5			
08	01	01	1	16	12.7	-9.0000	-9.000	-9.000	783.	-999.	-999999.0	0.34	1.00	0.33	999.00	999.	-9.0	293.8	5.5			
08	01	01	1	17	-999.0	-9.0000	-9.000	-9.000	-999.	-999.	-999999.0	0.34	1.00	0.60	999.00	999.	-9.0	292.5	5.5			

3764308.59		0.00001	0.00001	0.00001	0.00001	0.00001	0.00001	0.00001	0.00001	0.00001
3764211.45		0.00001	0.00001	0.00001	0.00001	0.00001	0.00001	0.00001	0.00001	0.00001
3764114.31		0.00001	0.00001	0.00001	0.00001	0.00000	0.00001	0.00001	0.00001	0.00001
3764017.17		0.00001	0.00001	0.00001	0.00001	0.00000	0.00000	0.00001	0.00001	0.00001
3763920.03		0.00001	0.00001	0.00001	0.00000	0.00000	0.00000	0.00000	0.00001	0.00001

*** AERMOD - VERSION 15181 *** *** C:\Lakes\AERMOD View\6351 Puente Hills Landfill Park\6351 Puente Hil *** 04/20/16
 *** AERMET - VERSION 14134 *** *** Trichloroethylene *** 16:31:49
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**MODELOPTs: RegDFAULT CONC ELEV URBAN

*** THE ANNUAL AVERAGE CONCENTRATION VALUES AVERAGED OVER 5 YEARS FOR SOURCE GROUP: ALL ***
 INCLUDING SOURCE(S): FLARE1 , FLARE2 , FLARE3 , FLARE4 , FLARE5 ,
 FLARE6 , FLARE7 , FLARE8 , FLARE9 , FLARE10 , FLARE11 , FLARE12 , FLARE13 ,
 FLARE14 , FLARE15 , FLARE16 , FLARE17 , FLARE18 , FLARE19 , FLARE20 , FLARE21 ,
 FLARE22 , FLARE23 , FLARE24 ,

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

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

**

Y-COORD (METERS)				X-COORD (METERS)						
	406149.09	406308.16	406467.23	406626.30	406785.37	406944.44	407103.51	407262.58	407421.65	
3765862.83		0.00002	0.00002	0.00001	0.00001	0.00001	0.00001	0.00001	0.00001	0.00001
3765765.69		0.00002	0.00002	0.00001	0.00001	0.00001	0.00001	0.00001	0.00001	0.00001
3765668.55		0.00002	0.00002	0.00001	0.00001	0.00001	0.00001	0.00001	0.00001	0.00001
3765571.41		0.00002	0.00001	0.00001	0.00001	0.00001	0.00001	0.00001	0.00001	0.00001
3765474.27		0.00002	0.00001	0.00001	0.00001	0.00001	0.00001	0.00001	0.00001	0.00001
3765377.13		0.00001	0.00001	0.00001	0.00001	0.00001	0.00001	0.00001	0.00001	0.00000
3765279.99		0.00001	0.00001	0.00001	0.00001	0.00001	0.00001	0.00001	0.00001	0.00000
3765182.85		0.00001	0.00001	0.00001	0.00001	0.00001	0.00001	0.00001	0.00001	0.00000
3765085.71		0.00001	0.00001	0.00001	0.00001	0.00001	0.00001	0.00001	0.00001	0.00000
3764988.57		0.00001	0.00001	0.00001	0.00001	0.00001	0.00001	0.00000	0.00000	0.00000
3764891.43		0.00001	0.00001	0.00001	0.00001	0.00001	0.00001	0.00000	0.00000	0.00000
3764794.29		0.00001	0.00001	0.00001	0.00001	0.00001	0.00000	0.00000	0.00000	0.00000
3764697.15		0.00001	0.00001	0.00001	0.00001	0.00001	0.00000	0.00000	0.00000	0.00000
3764600.01		0.00001	0.00001	0.00001	0.00001	0.00001	0.00000	0.00000	0.00000	0.00000
3764502.87		0.00001	0.00001	0.00001	0.00001	0.00001	0.00000	0.00000	0.00000	0.00000
3764405.73		0.00001	0.00001	0.00001	0.00001	0.00001	0.00000	0.00000	0.00000	0.00000
3764308.59		0.00001	0.00001	0.00001	0.00001	0.00001	0.00000	0.00000	0.00000	0.00000
3764211.45		0.00001	0.00001	0.00001	0.00001	0.00001	0.00000	0.00000	0.00000	0.00000
3764114.31		0.00001	0.00001	0.00001	0.00001	0.00001	0.00000	0.00000	0.00000	0.00000
3764017.17		0.00001	0.00001	0.00001	0.00001	0.00001	0.00000	0.00000	0.00000	0.00000
3763920.03		0.00001	0.00001	0.00001	0.00001	0.00001	0.00000	0.00000	0.00000	0.00000

*** AERMOD - VERSION 15181 *** *** C:\Lakes\AERMOD View\6351 Puente Hills Landfill Park\6351 Puente Hil *** 04/20/16
 *** AERMET - VERSION 14134 *** *** Trichloroethylene *** 16:31:49
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**MODELOPTs: RegDFAULT CONC ELEV URBAN

*** THE ANNUAL AVERAGE CONCENTRATION VALUES AVERAGED OVER 5 YEARS FOR SOURCE GROUP: ALL ***
 INCLUDING SOURCE(S): FLARE1 , FLARE2 , FLARE3 , FLARE4 , FLARE5 ,
 FLARE6 , FLARE7 , FLARE8 , FLARE9 , FLARE10 , FLARE11 , FLARE12 , FLARE13 ,
 FLARE14 , FLARE15 , FLARE16 , FLARE17 , FLARE18 , FLARE19 , FLARE20 , FLARE21 ,
 FLARE22 , FLARE23 , FLARE24 ,

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

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

Y-COORD (METERS)	407580.72	407739.79	407898.86	X-COORD (METERS)
3765862.83	0.00001	0.00000	0.00000	
3765765.69	0.00001	0.00000	0.00000	
3765668.55	0.00000	0.00000	0.00000	
3765571.41	0.00000	0.00000	0.00000	
3765474.27	0.00000	0.00000	0.00000	
3765377.13	0.00000	0.00000	0.00000	
3765279.99	0.00000	0.00000	0.00000	
3765182.85	0.00000	0.00000	0.00000	
3765085.71	0.00000	0.00000	0.00000	
3764988.57	0.00000	0.00000	0.00000	
3764891.43	0.00000	0.00000	0.00000	
3764794.29	0.00000	0.00000	0.00000	
3764697.15	0.00000	0.00000	0.00000	
3764600.01	0.00000	0.00000	0.00000	
3764502.87	0.00000	0.00000	0.00000	
3764405.73	0.00000	0.00000	0.00000	
3764308.59	0.00000	0.00000	0.00000	
3764211.45	0.00000	0.00000	0.00000	
3764114.31	0.00000	0.00000	0.00000	
3764017.17	0.00000	0.00000	0.00000	
3763920.03	0.00000	0.00000	0.00000	

*** AERMOD - VERSION 15181 *** *** C:\Lakes\AERMOD View\6351 Puente Hills Landfill Park\6351 Puente Hil *** 04/20/16
 *** AERMET - VERSION 14134 *** *** Trichloroethylene *** 16:31:49
 **MODELOPTs: RegDEFAULT CONC ELEV URBAN PAGE 18

*** THE ANNUAL AVERAGE CONCENTRATION VALUES AVERAGED OVER 5 YEARS FOR SOURCE GROUP: ALL ***
 INCLUDING SOURCE(S): FLARE1 , FLARE2 , FLARE3 , FLARE4 , FLARE5 ,
 FLARE6 , FLARE7 , FLARE8 , FLARE9 , FLARE10 , FLARE11 , FLARE12 , FLARE13 ,
 FLARE14 , FLARE15 , FLARE16 , FLARE17 , FLARE18 , FLARE19 , FLARE20 , FLARE21 ,
 FLARE22 , FLARE23 , FLARE24 ,

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

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

**

X-COORD (M)	Y-COORD (M)	CONC	X-COORD (M)	Y-COORD (M)	CONC
405475.87	3765283.33	0.00017	405487.28	3765227.63	0.00009
405496.83	3765177.10	0.00009	405361.06	3765124.16	0.00008
405556.64	3765179.21	0.00007	405516.99	3765024.87	0.00004
405795.26	3765005.20	0.00002	406083.86	3765241.01	0.00001
406158.41	3764974.02	0.00001	405659.63	3764787.39	0.00002
405927.52	3765602.51	0.00004			

*** AERMOD - VERSION 15181 *** C:\Lakes\AERMOD View\6351 Puente Hills Landfill Park\6351 Puente Hil *** 04/20/16
 *** AERMET - VERSION 14134 *** Trichloroethylene *** 16:31:49
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**MODELOPTs: RegDEFAULT CONC ELEV URBAN

*** THE 1ST HIGHEST 1-HR AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: ALL ***
 INCLUDING SOURCE(S): FLARE1 , FLARE2 , FLARE3 , FLARE4 , FLARE5 ,
 FLARE6 , FLARE7 , FLARE8 , FLARE9 , FLARE10 , FLARE11 , FLARE12 , FLARE13 ,
 FLARE14 , FLARE15 , FLARE16 , FLARE17 , FLARE18 , FLARE19 , FLARE20 , FLARE21 ,
 FLARE22 , FLARE23 , FLARE24 ,

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

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

**

Y-COORD (METERS)	404717.46	404876.53	X-COORD (METERS) 405035.60	405194.67	405353.74
3765862.8	0.00065 (08010421)	0.00073 (08010422)	0.00088 (08012705)	0.00101 (10122017)	0.00102 (08010501)
3765765.7	0.00066 (08010421)	0.00085 (08010421)	0.00101 (08010422)	0.00119 (10122017)	0.00130 (08010501)
3765668.5	0.00059 (08010421)	0.00090 (08010421)	0.00118 (08010422)	0.00138 (08010423)	0.00172 (08010501)
3765571.4	0.00059 (08012421)	0.00078 (08010421)	0.00127 (08010421)	0.00175 (08010422)	0.00229 (08010501)
3765474.3	0.00061 (12041104)	0.00064 (08012421)	0.00105 (08010421)	0.00204 (08010422)	0.00345 (08010424)
3765377.1	0.00071 (11032018)	0.00080 (11032018)	0.00087 (12042514)	0.00207 (10100512)	0.00702 (08010424)
3765280.0	0.00090 (11032018)	0.00116 (11032018)	0.00147 (11032018)	0.00237 (10102712)	0.00300 (08101709)
3765182.8	0.00086 (11032018)	0.00109 (11032018)	0.00137 (08022207)	0.00315 (11120103)	0.00535 (11120103)
3765085.7	0.00085 (08022207)	0.00114 (08022207)	0.00185 (11120103)	0.00367 (08012701)	0.00336 (08010701)
3764988.6	0.00084 (08022207)	0.00095 (08022207)	0.00168 (08012701)	0.00266 (08012620)	0.00156 (08010701)
3764891.4	0.00067 (08022207)	0.00089 (08012620)	0.00141 (08012620)	0.00230 (08010701)	0.00227 (09060302)
3764794.3	0.00065 (08012624)	0.00092 (08012624)	0.00117 (08112604)	0.00176 (08010701)	0.00157 (09060302)
3764697.1	0.00069 (08012624)	0.00084 (08012619)	0.00116 (08022206)	0.00107 (08010623)	0.00102 (10120518)
3764600.0	0.00065 (08012624)	0.00075 (08112604)	0.00109 (08022206)	0.00090 (09060302)	0.00102 (09060302)
3764502.9	0.00059 (08022323)	0.00066 (12030705)	0.00088 (08022206)	0.00093 (09060302)	0.00104 (09060302)
3764405.7	0.00054 (12030705)	0.00061 (08022206)	0.00076 (08010623)	0.00090 (09060302)	0.00090 (09060302)
3764308.6	0.00052 (12030705)	0.00061 (08010623)	0.00065 (08010623)	0.00083 (09060302)	0.00077 (09060302)
3764211.4	0.00057 (12030705)	0.00064 (08010623)	0.00058 (09060302)	0.00076 (09060302)	0.00063 (09060302)
3764114.3	0.00052 (08010623)	0.00051 (08010623)	0.00056 (09060302)	0.00070 (09060302)	0.00057 (09060302)

3764017.2		0.00039 (08010623)	0.00039 (08010623)	0.00053 (09060302)	0.00064 (09060302)	0.00049 (09060302)
3763920.0		0.00036 (08010623)	0.00033 (08010623)	0.00053 (09060302)	0.00062 (09060302)	0.00041 (09060302)

*** AERMOD - VERSION 15181 ***	*** C:\Lakes\AERMOD View\6351 Puente Hills Landfill Park\6351 Puente Hil ***	04/20/16
*** AERMET - VERSION 14134 ***	*** Trichloroethylene ***	16:31:49
		PAGE 20

**MODELOPTs: RegDEFAULT CONC ELEV URBAN

*** THE 1ST HIGHEST 1-HR AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: ALL ***
INCLUDING SOURCE(S): FLARE1 , FLARE2 , FLARE3 , FLARE4 , FLARE5 ,
FLARE6 , FLARE7 , FLARE8 , FLARE9 , FLARE10 , FLARE11 , FLARE12 , FLARE13 ,
FLARE14 , FLARE15 , FLARE16 , FLARE17 , FLARE18 , FLARE19 , FLARE20 , FLARE21 ,
FLARE22 , FLARE23 , FLARE24 ,

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

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

Y-COORD (METERS)	405512.81	405671.88	X-COORD (METERS) 405830.95	405990.02	406149.09	
3765862.8		0.00106 (10033118)	0.00096 (10042118)	0.00083 (11102318)	0.00072 (12041318)	0.00066 (12090919)
3765765.7		0.00123 (10033118)	0.00118 (10042118)	0.00090 (08020318)	0.00080 (12090919)	0.00066 (12090919)
3765668.5		0.00139 (10033118)	0.00136 (10042118)	0.00099 (12041318)	0.00084 (12090919)	0.00073 (12031819)
3765571.4		0.00179 (10042118)	0.00132 (10042118)	0.00104 (12090919)	0.00091 (12031818)	0.00073 (12031818)
3765474.3		0.00248 (10042118)	0.00121 (12121813)	0.00111 (12031818)	0.00087 (12031818)	0.00061 (12031818)
3765377.1		0.00299 (08052114)	0.00155 (12031815)	0.00088 (12031818)	0.00057 (12031818)	0.00041 (10123010)
3765280.0		0.00322 (12012113)	0.00205 (12111014)	0.00095 (12111014)	0.00063 (10122923)	0.00055 (10122923)
3765182.8		0.00328 (09022810)	0.00190 (10122923)	0.00158 (10122923)	0.00114 (10122923)	0.00105 (10122923)
3765085.7		0.00251 (09011809)	0.00154 (10112810)	0.00162 (10122923)	0.00149 (10122923)	0.00111 (10122923)
3764988.6		0.00189 (09011808)	0.00123 (11111008)	0.00136 (09102718)	0.00095 (10122923)	0.00084 (11030721)
3764891.4		0.00164 (10010903)	0.00135 (12121819)	0.00153 (09102718)	0.00105 (09102718)	0.00080 (10120102)
3764794.3		0.00101 (10010903)	0.00134 (10110404)	0.00113 (12121818)	0.00083 (09102718)	0.00100 (08122103)
3764697.1		0.00074 (10010903)	0.00107 (09011807)	0.00107 (08122803)	0.00110 (09012705)	0.00095 (10011108)
3764600.0		0.00082 (08011224)	0.00082 (08011224)	0.00112 (11022802)	0.00102 (08112603)	0.00089 (09030706)
3764502.9		0.00081 (08011224)	0.00112 (12101721)	0.00102 (10111323)	0.00093 (09011022)	0.00085 (10110523)
3764405.7		0.00071 (08011224)	0.00099 (08121022)	0.00094 (10121119)	0.00087 (12101501)	0.00078 (08112603)
3764308.6		0.00062 (08011224)	0.00089 (12010208)	0.00086 (08100624)	0.00078 (08011420)	0.00074 (10123101)
3764211.4		0.00054 (08011224)	0.00054 (08032304)	0.00078 (09040502)	0.00070 (10030504)	0.00065 (08122803)
3764114.3		0.00045 (08011224)	0.00073 (09011423)	0.00065 (10111204)	0.00048 (10110404)	0.00045 (08121003)
3764017.2		0.00034 (11012704)	0.00057 (09011423)	0.00045 (10111204)	0.00049 (09011808)	0.00040 (09011808)
3763920.0		0.00026 (11012704)	0.00037 (09011423)	0.00036 (10123106)	0.00045 (09011808)	0.00039 (09011808)

*** AERMOD - VERSION 15181 ***	*** C:\Lakes\AERMOD View\6351 Puente Hills Landfill Park\6351 Puente Hil ***	04/20/16
*** AERMET - VERSION 14134 ***	*** Trichloroethylene ***	16:31:49
		PAGE 21

**MODELOPTs: RegDEFAULT CONC ELEV URBAN

*** THE 1ST HIGHEST 1-HR AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: ALL ***
INCLUDING SOURCE(S): FLARE1 , FLARE2 , FLARE3 , FLARE4 , FLARE5 ,

FLARE6 , FLARE7 , FLARE8 , FLARE9 , FLARE10 , FLARE11 , FLARE12 , FLARE13 ,
FLARE14 , FLARE15 , FLARE16 , FLARE17 , FLARE18 , FLARE19 , FLARE20 , FLARE21 ,
FLARE22 , FLARE23 , FLARE24 ,

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

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

**

Y-COORD (METERS)	406308.16	406467.23	X-COORD (METERS) 406626.30	406785.37	406944.44
3765862.8	0.00053 (12031819)	0.00049 (12031819)	0.00043 (12031819)	0.00036 (10102806)	0.00034 (10102806)
3765765.7	0.00060 (12031819)	0.00050 (12031819)	0.00042 (10102806)	0.00038 (10102806)	0.00034 (10102806)
3765668.5	0.00060 (12031818)	0.00047 (12031818)	0.00042 (10102806)	0.00037 (10102806)	0.00032 (10102806)
3765571.4	0.00055 (12031818)	0.00045 (10102806)	0.00038 (10102806)	0.00032 (10102806)	0.00034 (10102806)
3765474.3	0.00046 (10102806)	0.00038 (10102806)	0.00031 (10102806)	0.00032 (10110817)	0.00038 (10110817)
3765377.1	0.00038 (10110817)	0.00047 (10110817)	0.00036 (10110817)	0.00041 (10110817)	0.00041 (10110817)
3765280.0	0.00057 (10122923)	0.00049 (10110817)	0.00042 (10110817)	0.00044 (10110817)	0.00041 (10110817)
3765182.8	0.00081 (10122923)	0.00065 (10122923)	0.00052 (10122923)	0.00042 (10122923)	0.00039 (10110817)
3765085.7	0.00100 (10122923)	0.00080 (10122923)	0.00065 (10122923)	0.00052 (10122923)	0.00044 (11030722)
3764988.6	0.00088 (10122923)	0.00082 (10122923)	0.00066 (10122923)	0.00056 (10122923)	0.00048 (10122923)
3764891.4	0.00059 (09102717)	0.00059 (11030721)	0.00053 (08052119)	0.00053 (08052119)	0.00050 (10122923)
3764794.3	0.00086 (10113005)	0.00076 (08122002)	0.00060 (10012307)	0.00044 (11030721)	0.00046 (08052119)
3764697.1	0.00083 (08042801)	0.00074 (10102719)	0.00065 (12030702)	0.00044 (08122002)	0.00039 (11030721)
3764600.0	0.00079 (10011108)	0.00070 (08042801)	0.00062 (10102719)	0.00047 (10113005)	0.00035 (09102717)
3764502.9	0.00074 (09070623)	0.00067 (09092905)	0.00060 (08042801)	0.00043 (11022803)	0.00037 (09102721)
3764405.7	0.00070 (08112807)	0.00064 (09070623)	0.00057 (09092905)	0.00038 (08122103)	0.00040 (09102721)
3764308.6	0.00066 (10110523)	0.00060 (09030706)	0.00055 (09111106)	0.00040 (08012607)	0.00038 (09102721)
3764211.4	0.00061 (08112603)	0.00058 (09122001)	0.00053 (08031106)	0.00048 (11021806)	0.00037 (09102718)
3764114.3	0.00060 (08122001)	0.00055 (08112107)	0.00051 (08112807)	0.00047 (08122101)	0.00035 (09102718)
3764017.2	0.00057 (08122803)	0.00052 (08111406)	0.00049 (10110523)	0.00045 (08013106)	0.00034 (08122101)
3763920.0	0.00053 (09121606)	0.00049 (08122708)	0.00046 (09030206)	0.00043 (08112807)	0.00039 (08013106)

*** AERMOD - VERSION 15181 *** C:\Lakes\AERMOD View\6351 Puente Hills Landfill Park\6351 Puente Hil ***
*** AERMET - VERSION 14134 *** Trichloroethylene ***

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16:31:49
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**MODELOPTs: RegDEFAULT CONC ELEV URBAN

*** THE 1ST HIGHEST 1-HR AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: ALL ***
INCLUDING SOURCE(S): FLARE1 , FLARE2 , FLARE3 , FLARE4 , FLARE5 ,
FLARE6 , FLARE7 , FLARE8 , FLARE9 , FLARE10 , FLARE11 , FLARE12 , FLARE13 ,
FLARE14 , FLARE15 , FLARE16 , FLARE17 , FLARE18 , FLARE19 , FLARE20 , FLARE21 ,
FLARE22 , FLARE23 , FLARE24 ,

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

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

**

Y-COORD (METERS)	407103.51	407262.58	X-COORD (METERS) 407421.65	407580.72	407739.79

3765862.8	0.00031	(10102806)	0.00027	(10102806)	0.00024	(10102806)	0.00021	(10102806)	0.00019	(10102806)
3765765.7	0.00030	(10102806)	0.00026	(10102806)	0.00022	(10102806)	0.00019	(10102806)	0.00017	(12081020)
3765668.5	0.00027	(10102806)	0.00023	(10102806)	0.00020	(10102806)	0.00019	(10110817)	0.00018	(10110817)
3765571.4	0.00025	(10110817)	0.00025	(10110817)	0.00024	(10110817)	0.00021	(10110817)	0.00020	(10110817)
3765474.3	0.00036	(10110817)	0.00034	(10110817)	0.00032	(10110817)	0.00024	(10110817)	0.00022	(10110817)
3765377.1	0.00038	(10110817)	0.00036	(10110817)	0.00034	(10110817)	0.00031	(10110817)	0.00027	(10110817)
3765280.0	0.00038	(10110817)	0.00036	(10110817)	0.00034	(10110817)	0.00031	(10110817)	0.00029	(10110817)
3765182.8	0.00036	(10110817)	0.00031	(10110817)	0.00031	(10110817)	0.00029	(10110817)	0.00027	(10110817)
3765085.7	0.00037	(11030722)	0.00032	(09113004)	0.00032	(11030722)	0.00030	(11030722)	0.00027	(11030722)
3764988.6	0.00041	(10122923)	0.00038	(11030722)	0.00035	(11030722)	0.00032	(11030722)	0.00029	(11030722)
3764891.4	0.00046	(10122923)	0.00040	(10122923)	0.00035	(10122923)	0.00032	(12121821)	0.00029	(11030722)
3764794.3	0.00044	(10122923)	0.00040	(10122923)	0.00034	(08052119)	0.00030	(12121821)	0.00029	(12121821)
3764697.1	0.00041	(08052119)	0.00039	(08052119)	0.00036	(08052119)	0.00029	(08011406)	0.00027	(08052119)
3764600.0	0.00036	(08052119)	0.00036	(08052119)	0.00035	(08052119)	0.00030	(11030721)	0.00028	(08052119)
3764502.9	0.00030	(08052119)	0.00032	(08052119)	0.00031	(08052119)	0.00030	(08052119)	0.00029	(11030721)
3764405.7	0.00033	(09102721)	0.00029	(09102721)	0.00026	(08052119)	0.00027	(11030721)	0.00027	(08052119)
3764308.6	0.00036	(09102721)	0.00031	(09102721)	0.00026	(09102721)	0.00021	(09102721)	0.00021	(11030721)
3764211.4	0.00035	(09102721)	0.00032	(09102721)	0.00029	(09102721)	0.00025	(09102721)	0.00021	(09102721)
3764114.3	0.00031	(09102718)	0.00032	(09102721)	0.00030	(09102721)	0.00027	(09102721)	0.00025	(09102721)
3764017.2	0.00031	(09102718)	0.00029	(09102718)	0.00029	(09102721)	0.00028	(09102721)	0.00025	(09102721)
3763920.0	0.00029	(09102807)	0.00031	(09102718)	0.00029	(09102718)	0.00025	(09102721)	0.00022	(09102721)

*** AERMOD - VERSION 15181 *** *** C:\Lakes\AERMOD View\6351 Puente Hills Landfill Park\6351 Puente Hil *** 04/20/16
 *** AERMET - VERSION 14134 *** *** Trichloroethylene *** 16:31:49
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**MODELOPTs: RegDEFAULT CONC ELEV URBAN

*** THE 1ST HIGHEST 1-HR AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: ALL ***
 INCLUDING SOURCE(S): FLARE1 , FLARE2 , FLARE3 , FLARE4 , FLARE5 ,
 FLARE6 , FLARE7 , FLARE8 , FLARE9 , FLARE10 , FLARE11 , FLARE12 , FLARE13 ,
 FLARE14 , FLARE15 , FLARE16 , FLARE17 , FLARE18 , FLARE19 , FLARE20 , FLARE21 ,
 FLARE22 , FLARE23 , FLARE24 ,

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

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

**

Y-COORD (METERS)	X-COORD (METERS)
407898.86	

3765862.8	0.00017	(12081020)
3765765.7	0.00015	(10110817)
3765668.5	0.00017	(10110817)
3765571.4	0.00019	(10110817)
3765474.3	0.00020	(10110817)
3765377.1	0.00025	(10110817)
3765280.0	0.00027	(10110817)
3765182.8	0.00026	(10110817)

3765085.7 | 0.00025 (11030722)
3764988.6 | 0.00027 (11030722)
3764891.4 | 0.00027 (11030722)
3764794.3 | 0.00027 (12121821)
3764697.1 | 0.00028 (08052119)
3764600.0 | 0.00028 (08052119)
3764502.9 | 0.00028 (08052119)
3764405.7 | 0.00026 (11030721)
3764308.6 | 0.00020 (11030721)
3764211.4 | 0.00017 (11030721)
3764114.3 | 0.00018 (09102721)
3764017.2 | 0.00019 (09102721)
3763920.0 | 0.00019 (09102721)

*** AERMOD - VERSION 15181 *** C:\Lakes\AERMOD View\6351 Puente Hills Landfill Park\6351 Puente Hil *** 04/20/16
*** AERMET - VERSION 14134 *** Trichloroethylene *** 16:31:49
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**MODELOPTs: RegDFAULT CONC ELEV URBAN

*** THE 1ST HIGHEST 1-HR AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: ALL ***
INCLUDING SOURCE(S): FLARE1 , FLARE2 , FLARE3 , FLARE4 , FLARE5 ,
FLARE6 , FLARE7 , FLARE8 , FLARE9 , FLARE10 , FLARE11 , FLARE12 , FLARE13 ,
FLARE14 , FLARE15 , FLARE16 , FLARE17 , FLARE18 , FLARE19 , FLARE20 , FLARE21 ,
FLARE22 , FLARE23 , FLARE24 ,

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

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

**

X-COORD (M)	Y-COORD (M)	CONC	(YYMMDDHH)	X-COORD (M)	Y-COORD (M)	CONC	(YYMMDDHH)
405475.87	3765283.33	0.00338	(10012115)	405487.28	3765227.63	0.00253	(12080612)
405496.83	3765177.10	0.00351	(10102809)	405361.06	3765124.16	0.00340	(08010701)
405556.64	3765179.21	0.00297	(12071216)	405516.99	3765024.87	0.00193	(08031008)
405795.26	3765005.20	0.00140	(09102718)	406083.86	3765241.01	0.00072	(10122923)
406158.41	3764974.02	0.00079	(11030721)	405659.63	3764787.39	0.00135	(10110404)
405927.52	3765602.51	0.00090	(12090919)				

*** AERMOD - VERSION 15181 *** C:\Lakes\AERMOD View\6351 Puente Hills Landfill Park\6351 Puente Hil *** 04/20/16
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**MODELOPTs: RegDFAULT CONC ELEV URBAN

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

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

**

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

ALL	1ST HIGHEST VALUE IS	0.00021 AT (	405512.81,	3765377.13,	138.00,	308.00,	0.00)	GC	UCART1
	2ND HIGHEST VALUE IS	0.00017 AT (	405475.87,	3765283.33,	178.49,	306.00,	0.00)	DC	
	3RD HIGHEST VALUE IS	0.00016 AT (	405512.81,	3765474.27,	122.70,	311.00,	0.00)	GC	UCART1
	4TH HIGHEST VALUE IS	0.00016 AT (	405353.74,	3765377.13,	180.70,	305.00,	0.00)	GC	UCART1
	5TH HIGHEST VALUE IS	0.00014 AT (	405512.81,	3765279.99,	174.60,	306.00,	0.00)	GC	UCART1
	6TH HIGHEST VALUE IS	0.00012 AT (	405353.74,	3765474.27,	163.10,	306.00,	0.00)	GC	UCART1
	7TH HIGHEST VALUE IS	0.00011 AT (	405512.81,	3765571.41,	117.00,	311.00,	0.00)	GC	UCART1
	8TH HIGHEST VALUE IS	0.00011 AT (	405353.74,	3765182.85,	181.90,	306.00,	0.00)	GC	UCART1
	9TH HIGHEST VALUE IS	0.00011 AT (	405353.74,	3765279.99,	181.00,	305.00,	0.00)	GC	UCART1
	10TH HIGHEST VALUE IS	0.00010 AT (	405671.88,	3765474.27,	125.40,	311.00,	0.00)	GC	UCART1

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

*** AERMOD - VERSION	15181 ***	*** C:\Lakes\AERMOD View\6351 Puente Hills Landfill Park\6351 Puente Hil	***	04/20/16
*** AERMET - VERSION	14134 ***	*** Trichloroethylene	***	16:31:49
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**MODELOPTs: RegDFAULT CONC ELEV URBAN

*** THE SUMMARY OF HIGHEST 1-HR RESULTS ***

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

**

GROUP ID		AVERAGE CONC	DATE (YYMMDDHH)	RECEPTOR (XR, YR, ZELEV, ZHILL, ZFLAG)	OF TYPE	NETWORK GRID-ID
ALL	HIGH 1ST HIGH VALUE IS	0.00702	ON 08010424: AT (	405353.74, 3765377.13, 180.70, 305.00,	0.00)	GC UCART1

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

*** AERMOD - VERSION	15181 ***	*** C:\Lakes\AERMOD View\6351 Puente Hills Landfill Park\6351 Puente Hil	***	04/20/16
*** AERMET - VERSION	14134 ***	*** Trichloroethylene	***	16:31:49
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**MODELOPTs: RegDFAULT CONC ELEV URBAN

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

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

A Total of	0 Fatal Error Message(s)
A Total of	0 Warning Message(s)

A Total of 1222 Informational Message(s)
A Total of 43848 Hours Were Processed
A Total of 13 Calm Hours Identified
A Total of 1209 Missing Hours Identified (2.76 Percent)

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

***** WARNING MESSAGES *****
*** NONE ***

*** AERMOD Finishes Successfully ***

```

** Lakes Environmental AERMOD MPI
**
*****
**
** AERMOD Input Produced by:
** AERMOD View Ver. 9.1.0
** Lakes Environmental Software Inc.
** Date: 4/20/2016
** File: C:\Lakes\AERMOD View\Puente Hills LFP Trichlorofluoromethane\Puente Hills LFP Trichlorofluoromethane.ADI
**
*****
**
**
*****
** AERMOD Control Pathway
*****
**
**
CO STARTING
  TITLEONE C:\Lakes\AERMOD View\6351 Puente Hills Landfill Park\6351 Puente Hil
  TITLETWO Trichlorofluoromethane
  MODELOPT DFAULT CONC
  AVERTIME 1 ANNUAL
  URBANOPT 9862049 Los_Angeles_County
  POLLUTID TRICHLFL
  RUNORNOT RUN
  ERRORFIL "Puente Hills LFP Trichlorofluoromethane.err"
CO FINISHED
**
*****
** AERMOD Source Pathway
*****
**
**
SO STARTING
** Source Location **
** Source ID - Type - X Coord. - Y Coord. **
  LOCATION FLARE1      POINT      405412.404  3765266.480      181.580
** DESCRSRC Flares (24 total)
  LOCATION FLARE2      POINT      405417.595  3765268.614      181.640
** DESCRSRC Flares (24 total)
  LOCATION FLARE3      POINT      405415.440  3765263.023      181.620
** DESCRSRC Flares (24 total)
  LOCATION FLARE4      POINT      405420.770  3765264.143      181.690
** DESCRSRC Flares (24 total)
  LOCATION FLARE5      POINT      405417.256  3765258.874      181.640
** DESCRSRC Flares (24 total)
  LOCATION FLARE6      POINT      405423.409  3765260.689      181.720
** DESCRSRC Flares (24 total)
  LOCATION FLARE7      POINT      405418.220  3765254.700      181.650
** DESCRSRC Flares (24 total)

```


LOCATION	FLARE8	POINT	405426.799	3765256.850	181.770
**	DESCRSRC	Flares (24 total)			
LOCATION	FLARE9	POINT	405420.223	3765250.883	181.680
**	DESCRSRC	Flares (24 total)			
LOCATION	FLARE10	POINT	405429.052	3765252.454	181.800
**	DESCRSRC	Flares (24 total)			
LOCATION	FLARE11	POINT	405423.375	3765246.684	181.720
**	DESCRSRC	Flares (24 total)			
LOCATION	FLARE12	POINT	405431.589	3765249.405	181.830
**	DESCRSRC	Flares (24 total)			
LOCATION	FLARE13	POINT	405427.483	3765241.984	181.780
**	DESCRSRC	Flares (24 total)			
LOCATION	FLARE14	POINT	405433.797	3765244.836	181.860
**	DESCRSRC	Flares (24 total)			
LOCATION	FLARE15	POINT	405430.394	3765236.806	181.820
**	DESCRSRC	Flares (24 total)			
LOCATION	FLARE16	POINT	405436.611	3765241.272	181.900
**	DESCRSRC	Flares (24 total)			
LOCATION	FLARE17	POINT	405433.570	3765232.416	181.860
**	DESCRSRC	Flares (24 total)			
LOCATION	FLARE18	POINT	405439.798	3765236.907	181.940
**	DESCRSRC	Flares (24 total)			
LOCATION	FLARE19	POINT	405436.746	3765227.834	181.900
**	DESCRSRC	Flares (24 total)			
LOCATION	FLARE20	POINT	405442.425	3765233.337	181.970
**	DESCRSRC	Flares (24 total)			
LOCATION	FLARE21	POINT	405440.173	3765223.711	181.940
**	DESCRSRC	Flares (24 total)			
LOCATION	FLARE22	POINT	405445.453	3765228.464	181.980
**	DESCRSRC	Flares (24 total)			
LOCATION	FLARE23	POINT	405442.883	3765219.270	181.980
**	DESCRSRC	Flares (24 total)			
LOCATION	FLARE24	POINT	405449.335	3765223.937	181.930
**	DESCRSRC	Flares (24 total)			
**	Source Parameters	**			
SRCPARAM	FLARE1	7.6483E-06	10.226	1088.706	4.245 2.530
SRCPARAM	FLARE2	7.6483E-06	10.226	1088.706	4.245 2.530
SRCPARAM	FLARE3	7.6483E-06	10.226	1088.706	4.245 2.530
SRCPARAM	FLARE4	7.6483E-06	10.226	1088.706	4.245 2.530
SRCPARAM	FLARE5	7.6483E-06	10.226	1088.706	4.245 2.530
SRCPARAM	FLARE6	7.6483E-06	10.226	1088.706	4.245 2.530
SRCPARAM	FLARE7	7.6483E-06	10.226	1088.706	4.245 2.530
SRCPARAM	FLARE8	7.6483E-06	10.226	1088.706	4.245 2.530
SRCPARAM	FLARE9	7.6483E-06	10.226	1088.706	4.245 2.530
SRCPARAM	FLARE10	7.6483E-06	10.226	1088.706	4.245 2.530
SRCPARAM	FLARE11	7.6483E-06	10.226	1088.706	4.245 2.530
SRCPARAM	FLARE12	7.6483E-06	10.226	1088.706	4.245 2.530
SRCPARAM	FLARE13	7.6483E-06	10.226	1088.706	4.245 2.530
SRCPARAM	FLARE14	7.6483E-06	10.226	1088.706	4.245 2.530
SRCPARAM	FLARE15	7.6483E-06	10.226	1088.706	4.245 2.530
SRCPARAM	FLARE16	7.6483E-06	10.226	1088.706	4.245 2.530

SRCPARAM	FLARE17	7.6483E-06	10.226	1088.706	4.245	2.530
SRCPARAM	FLARE18	7.6483E-06	10.226	1088.706	4.245	2.530
SRCPARAM	FLARE19	7.6483E-06	10.226	1088.706	4.245	2.530
SRCPARAM	FLARE20	7.6483E-06	10.226	1088.706	4.245	2.530
SRCPARAM	FLARE21	7.6483E-06	10.226	1088.706	4.245	2.530
SRCPARAM	FLARE22	7.6483E-06	10.226	1088.706	4.245	2.530
SRCPARAM	FLARE23	7.6483E-06	10.226	1088.706	4.245	2.530
SRCPARAM	FLARE24	7.6483E-06	10.226	1088.706	4.245	2.530
URBANSRC	ALL					
SRCGROUP	ALL					

SO FINISHED
**

** AERMOD Receptor Pathway

**
**
RE STARTING
INCLUDED "Puente Hills LFP Trichlorofluoromethane.rou"
RE FINISHED
**

** AERMOD Meteorology Pathway

**
**
ME STARTING
SURFFILE "C:\Users\Kate Wilson\Desktop\Met data\pico8.sfc"
PROFFILE "C:\Users\Kate Wilson\Desktop\Met data\pico8.PFL"
SURFDATA 0 2008
UAIRDATA 3190 2008
SITEDATA 99999 2008
PROFBASE 58.0 METERS
ME FINISHED
**

** AERMOD Output Pathway

**
**
OU STARTING
RECTABLE ALLAVE 1ST
RECTABLE 1 1ST
** Auto-Generated Plotfiles
PLOTFILE 1 ALL 1ST "PUENTE HILLS LFP TRICHLOROFLUOROMETHANE.AD\01H1GALL.PLT" 31
PLOTFILE ANNUAL ALL "PUENTE HILLS LFP TRICHLOROFLUOROMETHANE.AD\AN00GALL.PLT" 32
SUMMFILE "Puente Hills LFP Trichlorofluoromethane.sum"
OU FINISHED

*** SETUP Finishes Successfully ***

*** AERMOD - VERSION 15181 *** *** C:\Lakes\AERMOD View\6351 Puente Hills Landfill Park\6351 Puente Hil *** 04/20/16
*** AERMET - VERSION 14134 *** *** Trichlorofluoromethane *** 16:47:03
PAGE 1

**MODELOPTs: RegDEFAULT CONC ELEV URBAN

*** MODEL SETUP OPTIONS SUMMARY ***

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

-- DEPOSITION LOGIC --

**NO GAS DEPOSITION Data Provided.

**NO PARTICLE DEPOSITION Data Provided.

**Model Uses NO DRY DEPLETION. DRYDPLT = F

**Model Uses NO WET DEPLETION. WETDPLT = F

**Model Uses URBAN Dispersion Algorithm for the SBL for 24 Source(s),
for Total of 1 Urban Area(s):
Urban Population = 9862049.0 ; Urban Roughness Length = 1.000 m

**Model Uses Regulatory DEFAULT Options:

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

**Other Options Specified:

TEMP_Sub - Meteorological data includes TEMP substitutions

**Model Assumes No FLAGPOLE Receptor Heights.

**The User Specified a Pollutant Type of: TRICHLFL

**Model Calculates 1 Short Term Average(s) of: 1-HR
and Calculates ANNUAL Averages

**This Run Includes: 24 Source(s); 1 Source Group(s); and 452 Receptor(s)

with: 24 POINT(s), including
0 POINTCAP(s) and 0 POINTHOR(s)
and: 0 VOLUME source(s)
and: 0 AREA type source(s)
and: 0 LINE source(s)
and: 0 OPENPIT source(s)

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

**The AERMET Input Meteorological Data Version Date: 14134

**Output Options Selected:

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

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

**Misc. Inputs: Base Elev. for Pot. Temp. Profile (m MSL) = 58.00 ; 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: Puente Hills LFP Trichlorofluoromethane.err

**File for Summary of Results: Puente Hills LFP Trichlorofluoromethane.sum

*** AERMOD - VERSION 15181 *** *** C:\Lakes\AERMOD View\6351 Puente Hills Landfill Park\6351 Puente Hil *** 04/20/16
*** AERMET - VERSION 14134 *** *** Trichlorofluoromethane *** 16:47:03
PAGE 2

**MODELOPTs: RegDEFAULT CONC ELEV URBAN

*** POINT SOURCE DATA ***

SOURCE ID	NUMBER PART. CATS.	EMISSION RATE (GRAMS/SEC)	X (METERS)	Y (METERS)	BASE ELEV. (METERS)	STACK HEIGHT (METERS)	STACK TEMP. (DEG.K)	STACK EXIT VEL. (M/SEC)	STACK DIAMETER (METERS)	BLDG EXISTS	URBAN SOURCE	CAP/ HOR	EMIS RATE SCALAR VARY BY
FLARE1	0	0.76483E-05	405412.4	3765266.5	181.6	10.23	1088.71	4.25	2.53	NO	YES	NO	
FLARE2	0	0.76483E-05	405417.6	3765268.6	181.6	10.23	1088.71	4.25	2.53	NO	YES	NO	
FLARE3	0	0.76483E-05	405415.4	3765263.0	181.6	10.23	1088.71	4.25	2.53	NO	YES	NO	
FLARE4	0	0.76483E-05	405420.8	3765264.1	181.7	10.23	1088.71	4.25	2.53	NO	YES	NO	
FLARE5	0	0.76483E-05	405417.3	3765258.9	181.6	10.23	1088.71	4.25	2.53	NO	YES	NO	
FLARE6	0	0.76483E-05	405423.4	3765260.7	181.7	10.23	1088.71	4.25	2.53	NO	YES	NO	
FLARE7	0	0.76483E-05	405418.2	3765254.7	181.7	10.23	1088.71	4.25	2.53	NO	YES	NO	
FLARE8	0	0.76483E-05	405426.8	3765256.8	181.8	10.23	1088.71	4.25	2.53	NO	YES	NO	
FLARE9	0	0.76483E-05	405420.2	3765250.9	181.7	10.23	1088.71	4.25	2.53	NO	YES	NO	
FLARE10	0	0.76483E-05	405429.1	3765252.5	181.8	10.23	1088.71	4.25	2.53	NO	YES	NO	
FLARE11	0	0.76483E-05	405423.4	3765246.7	181.7	10.23	1088.71	4.25	2.53	NO	YES	NO	
FLARE12	0	0.76483E-05	405431.6	3765249.4	181.8	10.23	1088.71	4.25	2.53	NO	YES	NO	
FLARE13	0	0.76483E-05	405427.5	3765242.0	181.8	10.23	1088.71	4.25	2.53	NO	YES	NO	
FLARE14	0	0.76483E-05	405433.8	3765244.8	181.9	10.23	1088.71	4.25	2.53	NO	YES	NO	
FLARE15	0	0.76483E-05	405430.4	3765236.8	181.8	10.23	1088.71	4.25	2.53	NO	YES	NO	

FLARE16	0	0.76483E-05	405436.6	3765241.3	181.9	10.23	1088.71	4.25	2.53	NO	YES	NO
FLARE17	0	0.76483E-05	405433.6	3765232.4	181.9	10.23	1088.71	4.25	2.53	NO	YES	NO
FLARE18	0	0.76483E-05	405439.8	3765236.9	181.9	10.23	1088.71	4.25	2.53	NO	YES	NO
FLARE19	0	0.76483E-05	405436.7	3765227.8	181.9	10.23	1088.71	4.25	2.53	NO	YES	NO
FLARE20	0	0.76483E-05	405442.4	3765233.3	182.0	10.23	1088.71	4.25	2.53	NO	YES	NO
FLARE21	0	0.76483E-05	405440.2	3765223.7	181.9	10.23	1088.71	4.25	2.53	NO	YES	NO
FLARE22	0	0.76483E-05	405445.5	3765228.5	182.0	10.23	1088.71	4.25	2.53	NO	YES	NO
FLARE23	0	0.76483E-05	405442.9	3765219.3	182.0	10.23	1088.71	4.25	2.53	NO	YES	NO
FLARE24	0	0.76483E-05	405449.3	3765223.9	181.9	10.23	1088.71	4.25	2.53	NO	YES	NO

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*** AERMOD - VERSION 15181 ***   *** C:\Lakes\AERMOD View\6351 Puente Hills Landfill Park\6351 Puente Hil ***   04/20/16
*** AERMET - VERSION 14134 ***   *** Trichlorofluoromethane ***   16:47:03
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**MODELOPTs:  RegDEFAULT CONC      ELEV      URBAN
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*** SOURCE IDs DEFINING SOURCE GROUPS ***

SRCGROUP ID	SOURCE IDs															
-----	-----															
ALL	FLARE1	,	FLARE2	,	FLARE3	,	FLARE4	,	FLARE5	,	FLARE6	,	FLARE7	,	FLARE8	,
	FLARE9	,	FLARE10	,	FLARE11	,	FLARE12	,	FLARE13	,	FLARE14	,	FLARE15	,	FLARE16	,
	FLARE17	,	FLARE18	,	FLARE19	,	FLARE20	,	FLARE21	,	FLARE22	,	FLARE23	,	FLARE24	,

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*** AERMOD - VERSION 15181 ***   *** C:\Lakes\AERMOD View\6351 Puente Hills Landfill Park\6351 Puente Hil ***   04/20/16
*** AERMET - VERSION 14134 ***   *** Trichlorofluoromethane ***   16:47:03
                                     PAGE 4

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**MODELOPTs:  RegDEFAULT CONC      ELEV      URBAN
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*** SOURCE IDs DEFINED AS URBAN SOURCES ***

URBAN ID	URBAN POP	SOURCE IDs															
-----	-----	-----															
FLARE8	9862049.	FLARE1	,	FLARE2	,	FLARE3	,	FLARE4	,	FLARE5	,	FLARE6	,	FLARE7	,		
		FLARE9	,	FLARE10	,	FLARE11	,	FLARE12	,	FLARE13	,	FLARE14	,	FLARE15	,	FLARE16	,
		FLARE17	,	FLARE18	,	FLARE19	,	FLARE20	,	FLARE21	,	FLARE22	,	FLARE23	,	FLARE24	,

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*** AERMOD - VERSION 15181 ***   *** C:\Lakes\AERMOD View\6351 Puente Hills Landfill Park\6351 Puente Hil ***   04/20/16
*** AERMET - VERSION 14134 ***   *** Trichlorofluoromethane ***   16:47:03
                                     PAGE 5

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**MODELOPTs:  RegDEFAULT CONC      ELEV      URBAN
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*** GRIDDED RECEPTOR NETWORK SUMMARY ***

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

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

404717.5, 404876.5, 405035.6, 405194.7, 405353.7, 405512.8, 405671.9, 405831.0, 405990.0, 406149.1,
406308.2, 406467.2, 406626.3, 406785.4, 406944.4, 407103.5, 407262.6, 407421.7, 407580.7, 407739.8,
407898.9,

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

3763920.0, 3764017.2, 3764114.3, 3764211.4, 3764308.6, 3764405.7, 3764502.9, 3764600.0, 3764697.1, 3764794.3,
3764891.4, 3764988.6, 3765085.7, 3765182.8, 3765280.0, 3765377.1, 3765474.3, 3765571.4, 3765668.5, 3765765.7,
3765862.8,

*** AERMOD - VERSION 15181 *** *** C:\Lakes\AERMOD View\6351 Puente Hills Landfill Park\6351 Puente Hil *** 04/20/16
*** AERMET - VERSION 14134 *** *** Trichlorofluoromethane *** 16:47:03
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**MODELOPTs: RegDFault CONC ELEV URBAN

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

* ELEVATION HEIGHTS IN METERS *

Y-COORD (METERS)	X-COORD (METERS)								
	404717.46	404876.53	405035.60	405194.67	405353.74	405512.81	405671.88	405830.95	405990.02
3765862.83	85.20	86.70	88.10	89.80	90.80	91.00	95.30	97.70	97.60
3765765.69	88.00	89.30	91.00	94.80	98.90	99.40	104.00	109.00	109.90
3765668.55	92.90	93.50	102.50	106.30	109.10	108.80	113.00	121.00	120.80
3765571.41	101.00	106.10	116.80	124.20	124.70	117.00	117.30	124.50	121.10
3765474.27	109.40	115.90	132.00	161.80	163.10	122.70	125.40	130.20	121.80
3765377.13	115.60	122.00	145.70	178.70	180.70	138.00	152.10	139.20	121.20
3765279.99	119.10	127.70	157.90	180.20	181.00	174.60	174.50	156.40	131.80
3765182.85	121.50	136.60	167.70	180.50	181.90	182.10	182.00	174.90	168.00
3765085.71	125.30	146.90	177.00	181.90	185.70	191.60	182.00	182.00	184.20
3764988.57	124.50	139.80	172.30	181.90	194.40	221.20	192.20	190.60	201.00
3764891.43	121.60	127.80	162.80	181.70	210.40	242.30	223.60	216.80	231.60
3764794.29	121.80	132.20	165.00	192.00	229.20	245.50	246.70	242.80	245.30
3764697.15	124.00	142.10	174.70	207.10	240.70	250.90	260.70	268.50	279.10
3764600.01	125.70	140.80	179.10	204.50	233.90	258.20	281.20	295.40	302.00
3764502.87	122.10	125.00	177.00	187.00	218.30	262.80	299.20	303.40	302.80
3764405.73	121.00	144.60	179.30	181.90	211.60	263.90	304.00	303.80	303.90
3764308.59	146.30	164.20	181.70	182.00	220.20	264.90	304.00	303.50	297.60
3764211.45	174.40	180.90	182.00	182.00	229.50	265.30	293.20	290.50	276.00
3764114.31	171.50	170.00	180.40	182.00	228.70	262.60	281.20	272.60	252.30

3764017.17		121.00	151.40	179.00	181.90	232.40	255.60	268.20	257.90	243.50
3763920.03		123.00	148.90	183.50	197.80	241.00	247.10	253.90	250.20	243.70

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*** AERMOD - VERSION 15181 ***   *** C:\Lakes\AERMOD View\6351 Puente Hills Landfill Park\6351 Puente Hil ***   04/20/16
*** AERMET - VERSION 14134 ***   *** Trichlorofluoromethane ***   16:47:03
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**MODELOPTs: RegDEFAULT CONC ELEV URBAN

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

* ELEVATION HEIGHTS IN METERS *

Y-COORD (METERS)					X-COORD (METERS)					
		406149.09	406308.16	406467.23	406626.30	406785.37	406944.44	407103.51	407262.58	407421.65

3765862.83		91.80	88.90	87.90	93.00	98.60	102.20	99.00	97.50	94.70
3765765.69		101.30	95.70	95.00	99.00	108.40	112.80	108.00	105.20	105.70
3765668.55		111.90	109.30	110.60	113.00	126.00	147.00	130.70	131.70	135.30
3765571.41		118.80	121.20	120.30	117.90	133.60	177.80	156.80	158.40	161.60
3765474.27		126.50	144.40	151.70	127.90	164.20	183.80	183.70	183.30	185.80
3765377.13		138.10	167.60	180.80	156.00	177.30	192.30	195.70	197.70	200.80
3765279.99		161.50	182.70	185.20	172.90	188.80	199.00	201.20	209.50	212.90
3765182.85		191.40	193.30	190.10	192.50	202.60	219.30	231.20	250.40	236.10
3765085.71		229.10	207.40	194.10	206.00	216.30	231.40	250.90	256.80	244.90
3764988.57		243.20	225.30	214.60	225.80	226.50	226.20	227.40	232.10	232.10
3764891.43		255.60	246.70	243.80	247.20	236.80	225.50	210.80	214.80	226.80
3764794.29		277.90	279.40	280.10	270.10	251.20	238.70	215.80	203.70	239.10
3764697.15		297.40	300.80	302.60	288.20	261.50	248.70	223.20	195.80	225.90
3764600.01		303.50	304.00	305.10	297.60	265.00	247.90	222.20	190.60	198.40
3764502.87		303.90	303.50	303.50	298.20	262.00	240.50	208.40	185.40	184.50
3764405.73		303.80	302.50	301.00	295.80	257.30	233.20	207.70	179.10	177.00
3764308.59		293.60	300.30	299.40	296.50	262.00	233.10	223.50	184.50	173.70
3764211.45		277.00	295.40	303.20	302.20	278.10	241.70	237.60	209.30	190.90
3764114.31		258.70	290.30	306.90	307.60	289.30	250.60	252.50	235.30	211.20
3764017.17		244.30	289.20	303.10	304.30	294.80	262.20	253.10	244.20	212.60
3763920.03		251.70	287.60	300.70	299.50	297.00	274.70	257.00	234.70	215.20

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*** AERMOD - VERSION 15181 ***   *** C:\Lakes\AERMOD View\6351 Puente Hills Landfill Park\6351 Puente Hil ***   04/20/16
*** AERMET - VERSION 14134 ***   *** Trichlorofluoromethane ***   16:47:03
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**MODELOPTs: RegDEFAULT CONC ELEV URBAN

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

* ELEVATION HEIGHTS IN METERS *

Y-COORD (METERS)				X-COORD (METERS)
		407580.72	407739.79	407898.86

3765862.83	87.60	83.40	78.20
3765765.69	102.50	97.50	91.70
3765668.55	116.90	112.80	103.10
3765571.41	129.10	121.80	114.90
3765474.27	156.60	146.00	138.50
3765377.13	182.60	174.00	173.40
3765279.99	203.70	197.40	195.90
3765182.85	227.90	226.10	206.00
3765085.71	234.50	231.90	205.50
3764988.57	220.40	210.80	196.60
3764891.43	226.00	212.30	186.50
3764794.29	249.90	238.50	206.80
3764697.15	259.40	252.50	223.70
3764600.01	245.40	248.40	223.70
3764502.87	221.90	229.20	208.80
3764405.73	188.10	194.70	185.80
3764308.59	164.80	160.90	153.60
3764211.45	177.30	166.10	141.70
3764114.31	196.00	186.80	150.60
3764017.17	188.40	181.90	150.80
3763920.03	176.00	164.80	150.40

*** AERMOD - VERSION 15181 ***
 *** AERMET - VERSION 14134 ***

*** C:\Lakes\AERMOD View\6351 Puente Hills Landfill Park\6351 Puente Hil ***
 *** Trichlorofluoromethane ***

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 16:47:03
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**MODELOPTs: RegDFAULT CONC ELEV URBAN

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

* HILL HEIGHT SCALES IN METERS *

Y-COORD (METERS)	404717.46	404876.53	405035.60	405194.67	405353.74	405512.81	405671.88	405830.95	405990.02
3765862.83	306.00	306.00	306.00	307.00	308.00	311.00	311.00	311.00	311.00
3765765.69	306.00	306.00	306.00	308.00	308.00	311.00	311.00	311.00	311.00
3765668.55	306.00	306.00	306.00	307.00	308.00	311.00	311.00	311.00	311.00
3765571.41	306.00	306.00	306.00	306.00	306.00	311.00	311.00	311.00	311.00
3765474.27	306.00	306.00	306.00	305.00	306.00	311.00	311.00	311.00	311.00
3765377.13	306.00	306.00	306.00	304.00	305.00	308.00	308.00	311.00	311.00
3765279.99	306.00	306.00	305.00	304.00	305.00	306.00	306.00	311.00	311.00
3765182.85	306.00	306.00	305.00	305.00	306.00	306.00	306.00	308.00	311.00
3765085.71	306.00	305.00	304.00	305.00	306.00	306.00	307.00	308.00	311.00
3764988.57	306.00	306.00	305.00	305.00	305.00	304.00	306.00	308.00	308.00
3764891.43	306.00	307.00	306.00	305.00	304.00	304.00	306.00	306.00	306.00
3764794.29	306.00	307.00	305.00	305.00	304.00	304.00	304.00	306.00	306.00
3764697.15	307.00	306.00	305.00	304.00	304.00	304.00	304.00	304.00	304.00
3764600.01	307.00	307.00	305.00	304.00	304.00	304.00	304.00	304.00	302.00
3764502.87	308.00	354.00	305.00	305.00	304.00	304.00	304.00	303.40	302.80
3764405.73	349.00	307.00	304.00	305.00	304.00	304.00	304.00	303.80	303.90

3764308.59		304.00	304.00	304.00	305.00	304.00	304.00	304.00	303.50	297.60
3764211.45		304.00	304.00	304.00	307.00	304.00	304.00	304.00	304.00	304.00
3764114.31		304.00	304.00	304.00	307.00	304.00	304.00	304.00	304.00	308.00
3764017.17		354.00	354.00	304.00	354.00	304.00	304.00	304.00	304.00	308.00
3763920.03		354.00	354.00	304.00	304.00	304.00	304.00	304.00	304.00	308.00

*** AERMOD - VERSION 15181 *** *** C:\Lakes\AERMOD View\6351 Puente Hills Landfill Park\6351 Puente Hil *** 04/20/16
 *** AERMET - VERSION 14134 *** *** Trichlorofluoromethane *** 16:47:03
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**MODELOPTs: RegDFAULT CONC ELEV URBAN

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

* HILL HEIGHT SCALES IN METERS *

Y-COORD (METERS)		406149.09	406308.16	406467.23	406626.30	406785.37	406944.44	407103.51	407262.58	407421.65
3765862.83		311.00	311.00	311.00	311.00	311.00	311.00	311.00	311.00	311.00
3765765.69		311.00	311.00	311.00	311.00	311.00	311.00	311.00	311.00	311.00
3765668.55		311.00	311.00	311.00	311.00	311.00	311.00	311.00	311.00	311.00
3765571.41		311.00	311.00	311.00	311.00	311.00	306.00	311.00	306.00	306.00
3765474.27		311.00	311.00	311.00	311.00	311.00	306.00	306.00	306.00	267.00
3765377.13		311.00	311.00	306.00	311.00	311.00	306.00	306.00	306.00	267.00
3765279.99		311.00	311.00	311.00	311.00	311.00	306.00	306.00	302.00	263.00
3765182.85		308.00	311.00	311.00	311.00	306.00	306.00	263.00	263.00	263.00
3765085.71		306.00	306.00	311.00	311.00	306.00	306.00	259.00	263.00	263.00
3764988.57		306.00	306.00	311.00	306.00	306.00	306.00	306.00	263.00	267.00
3764891.43		306.00	306.00	306.00	306.00	306.00	311.00	311.00	311.00	267.00
3764794.29		305.00	306.00	306.00	306.00	306.00	306.00	311.00	311.00	267.00
3764697.15		303.00	300.80	302.60	306.00	306.00	306.00	311.00	311.00	267.00
3764600.01		303.50	304.00	305.10	306.00	306.00	311.00	311.00	311.00	311.00
3764502.87		303.90	303.50	303.50	306.00	311.00	311.00	311.00	311.00	311.00
3764405.73		303.80	302.50	301.00	304.00	311.00	311.00	311.00	354.00	354.00
3764308.59		304.00	300.30	299.40	296.50	311.00	311.00	311.00	354.00	354.00
3764211.45		304.00	295.40	303.20	302.20	311.00	311.00	311.00	345.00	354.00
3764114.31		308.00	307.00	306.90	307.60	311.00	311.00	311.00	311.00	345.00
3764017.17		311.00	307.00	303.10	304.30	311.00	311.00	311.00	311.00	354.00
3763920.03		309.00	304.00	300.70	299.50	297.00	311.00	311.00	345.00	354.00

*** AERMOD - VERSION 15181 *** *** C:\Lakes\AERMOD View\6351 Puente Hills Landfill Park\6351 Puente Hil *** 04/20/16
 *** AERMET - VERSION 14134 *** *** Trichlorofluoromethane *** 16:47:03
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**MODELOPTs: RegDFAULT CONC ELEV URBAN

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

* HILL HEIGHT SCALES IN METERS *

Y-COORD		X-COORD (METERS)

(METERS)	407580.72	407739.79	407898.86
3765862.83	311.00	311.00	311.00
3765765.69	311.00	311.00	311.00
3765668.55	311.00	311.00	311.00
3765571.41	311.00	311.00	311.00
3765474.27	306.00	306.00	306.00
3765377.13	267.00	267.00	267.00
3765279.99	267.00	267.00	267.00
3765182.85	263.00	240.00	267.00
3765085.71	238.00	240.00	267.00
3764988.57	267.00	267.00	267.00
3764891.43	267.00	267.00	267.00
3764794.29	267.00	267.00	267.00
3764697.15	267.00	265.00	267.00
3764600.01	267.00	265.00	267.00
3764502.87	267.00	267.00	267.00
3764405.73	345.00	311.00	343.00
3764308.59	354.00	354.00	354.00
3764211.45	354.00	354.00	354.00
3764114.31	352.00	352.00	354.00
3764017.17	354.00	354.00	354.00
3763920.03	354.00	354.00	354.00

*** AERMOD - VERSION 15181 *** *** C:\Lakes\AERMOD View\6351 Puente Hills Landfill Park\6351 Puente Hil *** 04/20/16
 *** AERMET - VERSION 14134 *** *** Trichlorofluoromethane *** 16:47:03
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**MODELOPTs: RegDFAULT CONC ELEV URBAN

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

(405475.9, 3765283.3, 178.5, 306.0, 0.0);	(405487.3, 3765227.6, 181.1, 306.0, 0.0);
(405496.8, 3765177.1, 182.5, 306.0, 0.0);	(405361.1, 3765124.2, 183.8, 306.0, 0.0);
(405556.6, 3765179.2, 182.0, 306.0, 0.0);	(405517.0, 3765024.9, 207.2, 305.0, 0.0);
(405795.3, 3765005.2, 188.0, 308.0, 0.0);	(406083.9, 3765241.0, 155.0, 311.0, 0.0);
(406158.4, 3764974.0, 244.3, 306.0, 0.0);	(405659.6, 3764787.4, 247.3, 304.0, 0.0);
(405927.5, 3765602.5, 122.2, 311.0, 0.0);	

*** AERMOD - VERSION 15181 *** *** C:\Lakes\AERMOD View\6351 Puente Hills Landfill Park\6351 Puente Hil *** 04/20/16
 *** AERMET - VERSION 14134 *** *** Trichlorofluoromethane *** 16:47:03
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**MODELOPTs: RegDFAULT CONC ELEV URBAN

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

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

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

1.54, 3.09, 5.14, 8.23, 10.80,

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*** AERMOD - VERSION 15181 ***      *** C:\Lakes\AERMOD View\6351 Puente Hills Landfill Park\6351 Puente Hil ***      04/20/16
*** AERMET - VERSION 14134 ***      *** Trichlorofluoromethane ***      16:47:03
                                     PAGE 14

**MODELOPTs:   RegDFAULT CONC      ELEV      URBAN

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

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Surface file:  C:\Users\Kate Wilson\Desktop\Met data\pico8.sfc           Met Version:  14134
Profile file:  C:\Users\Kate Wilson\Desktop\Met data\pico8.PFL
Surface format: FREE
Profile format: FREE
Surface station no.:      0              Upper air station no.:      3190
                Name: UNKNOWN                Name: UNKNOWN
                Year:  2008                  Year:  2008

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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
08	01	01	1	01	-999.0	-9.0000	-9.000	-9.000	-999.	-999.	-999999.0	0.34	1.00	1.00	999.00	999.	-9.0	285.4	5.5			
08	01	01	1	02	-999.0	-9.0000	-9.000	-9.000	-999.	-999.	-999999.0	0.34	1.00	1.00	999.00	999.	-9.0	284.2	5.5			
08	01	01	1	03	-999.0	-9.0000	-9.000	-9.000	-999.	-999.	-999999.0	0.34	1.00	1.00	999.00	999.	-9.0	283.8	5.5			
08	01	01	1	04	-999.0	-9.0000	-9.000	-9.000	-999.	-999.	-999999.0	0.34	1.00	1.00	999.00	999.	-9.0	284.2	5.5			
08	01	01	1	05	-999.0	-9.0000	-9.000	-9.000	-999.	-999.	-999999.0	0.34	1.00	1.00	999.00	999.	-9.0	284.9	5.5			
08	01	01	1	06	-999.0	-9.0000	-9.000	-9.000	-999.	-999.	-999999.0	0.34	1.00	1.00	999.00	999.	-9.0	285.4	5.5			
08	01	01	1	07	-999.0	-9.0000	-9.000	-9.000	-999.	-999.	-999999.0	0.34	1.00	1.00	999.00	999.	-9.0	285.9	5.5			
08	01	01	1	08	-999.0	-9.0000	-9.000	-9.000	-999.	-999.	-999999.0	0.34	1.00	0.54	999.00	999.	-9.0	286.4	5.5			
08	01	01	1	09	28.6	-9.0000	-9.000	-9.000	61.	-999.	-999999.0	0.34	1.00	0.32	999.00	999.	-9.0	287.0	5.5			
08	01	01	1	10	83.5	-9.0000	-9.000	-9.000	164.	-999.	-999999.0	0.34	1.00	0.24	999.00	999.	-9.0	289.2	5.5			
08	01	01	1	11	131.2	-9.0000	-9.000	-9.000	427.	-999.	-999999.0	0.34	1.00	0.21	999.00	999.	-9.0	292.5	5.5			
08	01	01	1	12	130.6	-9.0000	-9.000	-9.000	620.	-999.	-999999.0	0.34	1.00	0.20	999.00	999.	-9.0	294.2	5.5			
08	01	01	1	13	112.1	-9.0000	-9.000	-9.000	723.	-999.	-999999.0	0.34	1.00	0.20	999.00	999.	-9.0	294.9	5.5			
08	01	01	1	14	86.7	-9.0000	-9.000	-9.000	762.	-999.	-999999.0	0.34	1.00	0.21	999.00	999.	-9.0	294.9	5.5			
08	01	01	1	15	37.3	-9.0000	-9.000	-9.000	778.	-999.	-999999.0	0.34	1.00	0.25	999.00	999.	-9.0	294.2	5.5			
08	01	01	1	16	12.7	-9.0000	-9.000	-9.000	783.	-999.	-999999.0	0.34	1.00	0.33	999.00	999.	-9.0	293.8	5.5			
08	01	01	1	17	-999.0	-9.0000	-9.000	-9.000	-999.	-999.	-999999.0	0.34	1.00	0.60	999.00	999.	-9.0	292.5	5.5			

08 01 01	1 18	-999.0	-9.000	-9.000	-9.000	-999.	-999.	-99999.0	0.34	1.00	1.00	999.00	999.	-9.0	291.4	5.5
08 01 01	1 19	-999.0	-9.000	-9.000	-9.000	-999.	-999.	-99999.0	0.34	1.00	1.00	999.00	999.	-9.0	290.9	5.5
08 01 01	1 20	-999.0	-9.000	-9.000	-9.000	-999.	-999.	-99999.0	0.34	1.00	1.00	999.00	999.	-9.0	288.8	5.5
08 01 01	1 21	-999.0	-9.000	-9.000	-9.000	-999.	-999.	-99999.0	0.34	1.00	1.00	999.00	999.	-9.0	288.1	5.5
08 01 01	1 22	-999.0	-9.000	-9.000	-9.000	-999.	-999.	-99999.0	0.34	1.00	1.00	999.00	999.	-9.0	288.1	5.5
08 01 01	1 23	-999.0	-9.000	-9.000	-9.000	-999.	-999.	-99999.0	0.34	1.00	1.00	999.00	999.	-9.0	288.8	5.5
08 01 01	1 24	-999.0	-9.000	-9.000	-9.000	-999.	-999.	-99999.0	0.34	1.00	1.00	999.00	999.	-9.0	287.5	5.5

First hour of profile data

YR	MO	DY	HR	HEIGHT	F	WDIR	WSPD	AMB_TMP	sigmaA	sigmaW	sigmaV
08	01	01	01	5.5	0	-999.	-99.00	285.4	99.0	-99.00	-99.00
08	01	01	01	9.1	1	-999.	-99.00	-999.0	99.0	-99.00	-99.00

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

*** AERMOD - VERSION 15181 ***	*** C:\Lakes\AERMOD View\6351 Puente Hills Landfill Park\6351 Puente Hil ***	04/20/16
*** AERMET - VERSION 14134 ***	*** Trichlorofluoromethane ***	16:47:03
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**MODELOPTs: RegDEFAULT CONC ELEV URBAN

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

INCLUDING SOURCE(S):

FLARE6	, FLARE7	, FLARE8	, FLARE9	, FLARE10	, FLARE11	, FLARE12	, FLARE13	,
FLARE14	, FLARE15	, FLARE16	, FLARE17	, FLARE18	, FLARE19	, FLARE20	, FLARE21	,
FLARE22	, FLARE23	, FLARE24	,					

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

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

Y-COORD (METERS)	404717.46	404876.53	405035.60	405194.67	405353.74	405512.81	405671.88	405830.95	405990.02
3765862.83	0.00001	0.00001	0.00001	0.00002	0.00003	0.00003	0.00004	0.00003	0.00002
3765765.69	0.00001	0.00001	0.00001	0.00002	0.00004	0.00004	0.00004	0.00003	0.00002
3765668.55	0.00001	0.00001	0.00002	0.00003	0.00005	0.00006	0.00005	0.00004	0.00002
3765571.41	0.00001	0.00001	0.00002	0.00003	0.00006	0.00008	0.00006	0.00004	0.00002
3765474.27	0.00001	0.00001	0.00002	0.00003	0.00009	0.00012	0.00007	0.00003	0.00002
3765377.13	0.00001	0.00001	0.00002	0.00004	0.00012	0.00015	0.00006	0.00003	0.00001
3765279.99	0.00001	0.00001	0.00002	0.00004	0.00008	0.00010	0.00004	0.00002	0.00001
3765182.85	0.00001	0.00001	0.00002	0.00004	0.00008	0.00006	0.00003	0.00002	0.00001
3765085.71	0.00001	0.00001	0.00002	0.00003	0.00005	0.00004	0.00002	0.00002	0.00001
3764988.57	0.00001	0.00001	0.00002	0.00003	0.00002	0.00002	0.00002	0.00001	0.00001
3764891.43	0.00001	0.00001	0.00001	0.00002	0.00002	0.00002	0.00001	0.00001	0.00001
3764794.29	0.00001	0.00001	0.00001	0.00001	0.00001	0.00001	0.00001	0.00001	0.00001
3764697.15	0.00001	0.00001	0.00001	0.00001	0.00001	0.00001	0.00001	0.00001	0.00001
3764600.01	0.00001	0.00001	0.00001	0.00001	0.00001	0.00001	0.00001	0.00001	0.00001
3764502.87	0.00001	0.00001	0.00001	0.00001	0.00001	0.00001	0.00001	0.00001	0.00001
3764405.73	0.00001	0.00001	0.00001	0.00001	0.00000	0.00001	0.00001	0.00001	0.00001

3764308.59		0.00001	0.00001	0.00001	0.00000	0.00000	0.00000	0.00001	0.00001	0.00001
3764211.45		0.00001	0.00001	0.00001	0.00000	0.00000	0.00000	0.00001	0.00001	0.00001
3764114.31		0.00001	0.00001	0.00000	0.00000	0.00000	0.00000	0.00000	0.00001	0.00000
3764017.17		0.00001	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000
3763920.03		0.00001	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000

*** AERMOD - VERSION 15181 *** *** C:\Lakes\AERMOD View\6351 Puente Hills Landfill Park\6351 Puente Hil *** 04/20/16
 *** AERMET - VERSION 14134 *** *** Trichlorofluoromethane *** 16:47:03
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**MODELOPTs: RegDFAULT CONC ELEV URBAN

*** THE ANNUAL AVERAGE CONCENTRATION VALUES AVERAGED OVER 5 YEARS FOR SOURCE GROUP: ALL ***
 INCLUDING SOURCE(S): FLARE1 , FLARE2 , FLARE3 , FLARE4 , FLARE5 ,
 FLARE6 , FLARE7 , FLARE8 , FLARE9 , FLARE10 , FLARE11 , FLARE12 , FLARE13 ,
 FLARE14 , FLARE15 , FLARE16 , FLARE17 , FLARE18 , FLARE19 , FLARE20 , FLARE21 ,
 FLARE22 , FLARE23 , FLARE24 ,

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

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

**

Y-COORD (METERS)		406149.09	406308.16	406467.23	406626.30	406785.37	406944.44	407103.51	407262.58	407421.65
3765862.83		0.00002	0.00001	0.00001	0.00001	0.00001	0.00001	0.00001	0.00000	0.00000
3765765.69		0.00002	0.00001	0.00001	0.00001	0.00001	0.00001	0.00000	0.00000	0.00000
3765668.55		0.00002	0.00001	0.00001	0.00001	0.00001	0.00001	0.00000	0.00000	0.00000
3765571.41		0.00001	0.00001	0.00001	0.00001	0.00001	0.00001	0.00000	0.00000	0.00000
3765474.27		0.00001	0.00001	0.00001	0.00001	0.00001	0.00000	0.00000	0.00000	0.00000
3765377.13		0.00001	0.00001	0.00001	0.00001	0.00001	0.00000	0.00000	0.00000	0.00000
3765279.99		0.00001	0.00001	0.00001	0.00001	0.00000	0.00000	0.00000	0.00000	0.00000
3765182.85		0.00001	0.00001	0.00001	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000
3765085.71		0.00001	0.00001	0.00001	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000
3764988.57		0.00001	0.00001	0.00001	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000
3764891.43		0.00001	0.00001	0.00001	0.00001	0.00000	0.00000	0.00000	0.00000	0.00000
3764794.29		0.00001	0.00001	0.00001	0.00001	0.00000	0.00000	0.00000	0.00000	0.00000
3764697.15		0.00001	0.00001	0.00001	0.00001	0.00000	0.00000	0.00000	0.00000	0.00000
3764600.01		0.00001	0.00001	0.00001	0.00001	0.00000	0.00000	0.00000	0.00000	0.00000
3764502.87		0.00001	0.00001	0.00001	0.00001	0.00000	0.00000	0.00000	0.00000	0.00000
3764405.73		0.00001	0.00001	0.00001	0.00001	0.00000	0.00000	0.00000	0.00000	0.00000
3764308.59		0.00001	0.00001	0.00001	0.00001	0.00000	0.00000	0.00000	0.00000	0.00000
3764211.45		0.00001	0.00001	0.00001	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000
3764114.31		0.00001	0.00001	0.00001	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000
3764017.17		0.00000	0.00001	0.00001	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000
3763920.03		0.00000	0.00001	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000

*** AERMOD - VERSION 15181 *** *** C:\Lakes\AERMOD View\6351 Puente Hills Landfill Park\6351 Puente Hil *** 04/20/16
 *** AERMET - VERSION 14134 *** *** Trichlorofluoromethane *** 16:47:03
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**MODELOPTs: RegDFAULT CONC ELEV URBAN

*** THE ANNUAL AVERAGE CONCENTRATION VALUES AVERAGED OVER 5 YEARS FOR SOURCE GROUP: ALL ***
 INCLUDING SOURCE(S): FLARE1 , FLARE2 , FLARE3 , FLARE4 , FLARE5 ,
 FLARE6 , FLARE7 , FLARE8 , FLARE9 , FLARE10 , FLARE11 , FLARE12 , FLARE13 ,
 FLARE14 , FLARE15 , FLARE16 , FLARE17 , FLARE18 , FLARE19 , FLARE20 , FLARE21 ,
 FLARE22 , FLARE23 , FLARE24 ,

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

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

Y-COORD (METERS)	407580.72	407739.79	407898.86	X-COORD (METERS)
3765862.83	0.00000	0.00000	0.00000	
3765765.69	0.00000	0.00000	0.00000	
3765668.55	0.00000	0.00000	0.00000	
3765571.41	0.00000	0.00000	0.00000	
3765474.27	0.00000	0.00000	0.00000	
3765377.13	0.00000	0.00000	0.00000	
3765279.99	0.00000	0.00000	0.00000	
3765182.85	0.00000	0.00000	0.00000	
3765085.71	0.00000	0.00000	0.00000	
3764988.57	0.00000	0.00000	0.00000	
3764891.43	0.00000	0.00000	0.00000	
3764794.29	0.00000	0.00000	0.00000	
3764697.15	0.00000	0.00000	0.00000	
3764600.01	0.00000	0.00000	0.00000	
3764502.87	0.00000	0.00000	0.00000	
3764405.73	0.00000	0.00000	0.00000	
3764308.59	0.00000	0.00000	0.00000	
3764211.45	0.00000	0.00000	0.00000	
3764114.31	0.00000	0.00000	0.00000	
3764017.17	0.00000	0.00000	0.00000	
3763920.03	0.00000	0.00000	0.00000	

*** AERMOD - VERSION 15181 *** *** C:\Lakes\AERMOD View\6351 Puente Hills Landfill Park\6351 Puente Hil *** 04/20/16
 *** AERMET - VERSION 14134 *** *** Trichlorofluoromethane *** 16:47:03
 **MODELOPTs: RegDEFAULT CONC ELEV URBAN PAGE 18

*** THE ANNUAL AVERAGE CONCENTRATION VALUES AVERAGED OVER 5 YEARS FOR SOURCE GROUP: ALL ***
 INCLUDING SOURCE(S): FLARE1 , FLARE2 , FLARE3 , FLARE4 , FLARE5 ,
 FLARE6 , FLARE7 , FLARE8 , FLARE9 , FLARE10 , FLARE11 , FLARE12 , FLARE13 ,
 FLARE14 , FLARE15 , FLARE16 , FLARE17 , FLARE18 , FLARE19 , FLARE20 , FLARE21 ,
 FLARE22 , FLARE23 , FLARE24 ,

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

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

**

X-COORD (M)	Y-COORD (M)	CONC	X-COORD (M)	Y-COORD (M)	CONC
405475.87	3765283.33	0.00012	405487.28	3765227.63	0.00007
405496.83	3765177.10	0.00006	405361.06	3765124.16	0.00006
405556.64	3765179.21	0.00005	405516.99	3765024.87	0.00003
405795.26	3765005.20	0.00001	406083.86	3765241.01	0.00001
406158.41	3764974.02	0.00001	405659.63	3764787.39	0.00001
405927.52	3765602.51	0.00003			

*** AERMOD - VERSION 15181 *** C:\Lakes\AERMOD View\6351 Puente Hills Landfill Park\6351 Puente Hil *** 04/20/16
 *** AERMET - VERSION 14134 *** Trichlorofluoromethane *** 16:47:03
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**MODELOPTs: RegDEFAULT CONC ELEV URBAN

*** THE 1ST HIGHEST 1-HR AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: ALL ***
 INCLUDING SOURCE(S): FLARE1 , FLARE2 , FLARE3 , FLARE4 , FLARE5 ,
 FLARE6 , FLARE7 , FLARE8 , FLARE9 , FLARE10 , FLARE11 , FLARE12 , FLARE13 ,
 FLARE14 , FLARE15 , FLARE16 , FLARE17 , FLARE18 , FLARE19 , FLARE20 , FLARE21 ,
 FLARE22 , FLARE23 , FLARE24 ,

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

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

**

Y-COORD (METERS)	404717.46	404876.53	X-COORD (METERS) 405035.60	405194.67	405353.74
3765862.8	0.00048 (08010421)	0.00054 (08010422)	0.00064 (08012705)	0.00074 (10122017)	0.00074 (08010501)
3765765.7	0.00048 (08010421)	0.00062 (08010421)	0.00074 (08010422)	0.00087 (10122017)	0.00096 (08010501)
3765668.5	0.00043 (08010421)	0.00066 (08010421)	0.00086 (08010422)	0.00101 (08010423)	0.00126 (08010501)
3765571.4	0.00043 (08012421)	0.00057 (08010421)	0.00093 (08010421)	0.00128 (08010422)	0.00168 (08010501)
3765474.3	0.00044 (12041104)	0.00047 (08012421)	0.00077 (08010421)	0.00150 (08010422)	0.00253 (08010424)
3765377.1	0.00052 (11032018)	0.00059 (11032018)	0.00064 (12042514)	0.00152 (10100512)	0.00514 (08010424)
3765280.0	0.00066 (11032018)	0.00085 (11032018)	0.00108 (11032018)	0.00173 (10102712)	0.00220 (08101709)
3765182.8	0.00063 (11032018)	0.00080 (11032018)	0.00100 (08022207)	0.00231 (11120103)	0.00392 (11120103)
3765085.7	0.00063 (08022207)	0.00084 (08022207)	0.00135 (11120103)	0.00269 (08012701)	0.00247 (08010701)
3764988.6	0.00061 (08022207)	0.00070 (08022207)	0.00123 (08012701)	0.00195 (08012620)	0.00114 (08010701)
3764891.4	0.00049 (08022207)	0.00065 (08012620)	0.00103 (08012620)	0.00168 (08010701)	0.00166 (09060302)
3764794.3	0.00047 (08012624)	0.00067 (08012624)	0.00086 (08112604)	0.00129 (08010701)	0.00115 (09060302)
3764697.1	0.00050 (08012624)	0.00061 (08012619)	0.00085 (08022206)	0.00078 (08010623)	0.00074 (10120518)
3764600.0	0.00047 (08012624)	0.00055 (08112604)	0.00080 (08022206)	0.00066 (09060302)	0.00075 (09060302)
3764502.9	0.00044 (08022323)	0.00048 (12030705)	0.00065 (08022206)	0.00068 (09060302)	0.00077 (09060302)
3764405.7	0.00040 (12030705)	0.00045 (08022206)	0.00056 (08010623)	0.00066 (09060302)	0.00066 (09060302)
3764308.6	0.00038 (12030705)	0.00045 (08010623)	0.00048 (08010623)	0.00061 (09060302)	0.00056 (09060302)
3764211.4	0.00042 (12030705)	0.00047 (08010623)	0.00042 (09060302)	0.00056 (09060302)	0.00046 (09060302)
3764114.3	0.00038 (08010623)	0.00037 (08010623)	0.00041 (09060302)	0.00051 (09060302)	0.00041 (09060302)

3764017.2		0.00029 (08010623)	0.00028 (08010623)	0.00039 (09060302)	0.00047 (09060302)	0.00036 (09060302)
3763920.0		0.00026 (08010623)	0.00024 (08010623)	0.00039 (09060302)	0.00046 (09060302)	0.00030 (09060302)

*** AERMOD - VERSION 15181 ***	*** C:\Lakes\AERMOD View\6351 Puente Hills Landfill Park\6351 Puente Hil ***	04/20/16
*** AERMET - VERSION 14134 ***	*** Trichlorofluoromethane ***	16:47:03
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**MODELOPTs: RegDFAULT CONC ELEV URBAN

*** THE 1ST HIGHEST 1-HR AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: ALL ***
INCLUDING SOURCE(S): FLARE1 , FLARE2 , FLARE3 , FLARE4 , FLARE5 ,
FLARE6 , FLARE7 , FLARE8 , FLARE9 , FLARE10 , FLARE11 , FLARE12 , FLARE13 ,
FLARE14 , FLARE15 , FLARE16 , FLARE17 , FLARE18 , FLARE19 , FLARE20 , FLARE21 ,
FLARE22 , FLARE23 , FLARE24 ,

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

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

Y-COORD (METERS)	405512.81	405671.88	X-COORD (METERS) 405830.95	405990.02	406149.09	
3765862.8		0.00077 (10033118)	0.00071 (10042118)	0.00061 (11102318)	0.00052 (12041318)	0.00048 (12090919)
3765765.7		0.00090 (10033118)	0.00086 (10042118)	0.00066 (08020318)	0.00059 (12090919)	0.00048 (12090919)
3765668.5		0.00102 (10033118)	0.00099 (10042118)	0.00073 (12041318)	0.00062 (12090919)	0.00053 (12031819)
3765571.4		0.00131 (10042118)	0.00097 (10042118)	0.00076 (12090919)	0.00067 (12031818)	0.00054 (12031818)
3765474.3		0.00182 (10042118)	0.00089 (12121813)	0.00081 (12031818)	0.00064 (12031818)	0.00044 (12031818)
3765377.1		0.00219 (08052114)	0.00113 (12031815)	0.00065 (12031818)	0.00042 (12031818)	0.00030 (10123010)
3765280.0		0.00236 (12012113)	0.00150 (12111014)	0.00070 (12111014)	0.00046 (10122923)	0.00040 (10122923)
3765182.8		0.00240 (09022810)	0.00139 (10122923)	0.00116 (10122923)	0.00083 (10122923)	0.00077 (10122923)
3765085.7		0.00184 (09011809)	0.00113 (10112810)	0.00118 (10122923)	0.00109 (10122923)	0.00081 (10122923)
3764988.6		0.00138 (09011808)	0.00090 (11111008)	0.00100 (09102718)	0.00070 (10122923)	0.00062 (11030721)
3764891.4		0.00120 (10010903)	0.00099 (12121819)	0.00112 (09102718)	0.00077 (09102718)	0.00058 (10120102)
3764794.3		0.00074 (10010903)	0.00098 (10110404)	0.00083 (12121818)	0.00061 (09102718)	0.00073 (08122103)
3764697.1		0.00054 (10010903)	0.00078 (09011807)	0.00079 (08122803)	0.00080 (09012705)	0.00070 (10011108)
3764600.0		0.00060 (08011224)	0.00090 (09040502)	0.00082 (11022802)	0.00075 (08112603)	0.00065 (09030706)
3764502.9		0.00059 (08011224)	0.00082 (12101721)	0.00075 (10111323)	0.00068 (09011022)	0.00062 (10110523)
3764405.7		0.00052 (08011224)	0.00072 (08121022)	0.00069 (10121119)	0.00063 (12101501)	0.00057 (08112603)
3764308.6		0.00046 (08011224)	0.00066 (12010208)	0.00063 (08100624)	0.00057 (08011420)	0.00054 (10123101)
3764211.4		0.00040 (08011224)	0.00059 (08032304)	0.00057 (09040502)	0.00051 (10030504)	0.00048 (08122803)
3764114.3		0.00033 (08011224)	0.00053 (09011423)	0.00048 (10111204)	0.00035 (10110404)	0.00033 (08121003)
3764017.2		0.00025 (11012704)	0.00042 (09011423)	0.00033 (10111204)	0.00036 (09011808)	0.00029 (09011808)
3763920.0		0.00019 (11012704)	0.00027 (09011423)	0.00026 (10123106)	0.00033 (09011808)	0.00029 (09011808)

*** AERMOD - VERSION 15181 ***	*** C:\Lakes\AERMOD View\6351 Puente Hills Landfill Park\6351 Puente Hil ***	04/20/16
*** AERMET - VERSION 14134 ***	*** Trichlorofluoromethane ***	16:47:03
		PAGE 21

**MODELOPTs: RegDFAULT CONC ELEV URBAN

*** THE 1ST HIGHEST 1-HR AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: ALL ***
INCLUDING SOURCE(S): FLARE1 , FLARE2 , FLARE3 , FLARE4 , FLARE5 ,

FLARE6 , FLARE7 , FLARE8 , FLARE9 , FLARE10 , FLARE11 , FLARE12 , FLARE13 ,
FLARE14 , FLARE15 , FLARE16 , FLARE17 , FLARE18 , FLARE19 , FLARE20 , FLARE21 ,
FLARE22 , FLARE23 , FLARE24 ,

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

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

**

Y-COORD (METERS)	406308.16	406467.23	X-COORD (METERS) 406626.30	406785.37	406944.44
3765862.8	0.00039 (12031819)	0.00036 (12031819)	0.00031 (12031819)	0.00027 (10102806)	0.00025 (10102806)
3765765.7	0.00044 (12031819)	0.00037 (12031819)	0.00031 (10102806)	0.00028 (10102806)	0.00025 (10102806)
3765668.5	0.00044 (12031818)	0.00035 (12031818)	0.00031 (10102806)	0.00027 (10102806)	0.00023 (10102806)
3765571.4	0.00040 (12031818)	0.00033 (10102806)	0.00028 (10102806)	0.00024 (10102806)	0.00025 (10102806)
3765474.3	0.00034 (10102806)	0.00028 (10102806)	0.00023 (10102806)	0.00023 (10110817)	0.00028 (10110817)
3765377.1	0.00028 (10110817)	0.00035 (10110817)	0.00026 (10110817)	0.00030 (10110817)	0.00030 (10110817)
3765280.0	0.00041 (10122923)	0.00036 (10110817)	0.00031 (10110817)	0.00032 (10110817)	0.00030 (10110817)
3765182.8	0.00059 (10122923)	0.00047 (10122923)	0.00038 (10122923)	0.00031 (10122923)	0.00029 (10110817)
3765085.7	0.00073 (10122923)	0.00058 (10122923)	0.00047 (10122923)	0.00038 (10122923)	0.00032 (11030722)
3764988.6	0.00065 (10122923)	0.00060 (10122923)	0.00049 (10122923)	0.00041 (10122923)	0.00035 (10122923)
3764891.4	0.00043 (09102717)	0.00043 (11030721)	0.00039 (08052119)	0.00039 (08052119)	0.00037 (10122923)
3764794.3	0.00063 (10113005)	0.00063 (08122002)	0.00044 (10012307)	0.00032 (11030721)	0.00033 (08052119)
3764697.1	0.00061 (08042801)	0.00054 (10102719)	0.00048 (12030702)	0.00032 (08122002)	0.00028 (11030721)
3764600.0	0.00058 (10011108)	0.00052 (08042801)	0.00046 (10102719)	0.00034 (10113005)	0.00025 (09102717)
3764502.9	0.00054 (09070623)	0.00049 (09092905)	0.00044 (08042801)	0.00031 (11022803)	0.00027 (09102721)
3764405.7	0.00052 (08112807)	0.00047 (09070623)	0.00042 (09092905)	0.00028 (08122103)	0.00029 (09102721)
3764308.6	0.00049 (10110523)	0.00044 (09030706)	0.00040 (09111106)	0.00029 (08012607)	0.00028 (09102721)
3764211.4	0.00045 (08112603)	0.00042 (09122001)	0.00039 (08031106)	0.00035 (11021806)	0.00027 (09102718)
3764114.3	0.00044 (08122001)	0.00040 (08112107)	0.00037 (08112807)	0.00034 (08122101)	0.00026 (09102718)
3764017.2	0.00042 (08122803)	0.00038 (08111406)	0.00036 (10110523)	0.00033 (08013106)	0.00025 (08122101)
3763920.0	0.00039 (09121606)	0.00036 (08122708)	0.00034 (09030206)	0.00032 (08112807)	0.00028 (08013106)

*** AERMOD - VERSION 15181 *** C:\Lakes\AERMOD View\6351 Puente Hills Landfill Park\6351 Puente Hil ***
*** AERMET - VERSION 14134 *** Trichlorofluoromethane ***

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16:47:03
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**MODELOPTs: RegDEFAULT CONC ELEV URBAN

*** THE 1ST HIGHEST 1-HR AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: ALL ***
INCLUDING SOURCE(S): FLARE1 , FLARE2 , FLARE3 , FLARE4 , FLARE5 ,
FLARE6 , FLARE7 , FLARE8 , FLARE9 , FLARE10 , FLARE11 , FLARE12 , FLARE13 ,
FLARE14 , FLARE15 , FLARE16 , FLARE17 , FLARE18 , FLARE19 , FLARE20 , FLARE21 ,
FLARE22 , FLARE23 , FLARE24 ,

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

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

**

Y-COORD (METERS)	407103.51	407262.58	X-COORD (METERS) 407421.65	407580.72	407739.79

3765862.8	0.00022	(10102806)	0.00020	(10102806)	0.00018	(10102806)	0.00016	(10102806)	0.00014	(10102806)
3765765.7	0.00022	(10102806)	0.00019	(10102806)	0.00016	(10102806)	0.00014	(10102806)	0.00012	(12081020)
3765668.5	0.00020	(10102806)	0.00017	(10102806)	0.00015	(10102806)	0.00014	(10110817)	0.00013	(10110817)
3765571.4	0.00018	(10110817)	0.00018	(10110817)	0.00018	(10110817)	0.00015	(10110817)	0.00015	(10110817)
3765474.3	0.00026	(10110817)	0.00025	(10110817)	0.00023	(10110817)	0.00018	(10110817)	0.00016	(10110817)
3765377.1	0.00028	(10110817)	0.00026	(10110817)	0.00025	(10110817)	0.00023	(10110817)	0.00020	(10110817)
3765280.0	0.00028	(10110817)	0.00026	(10110817)	0.00025	(10110817)	0.00023	(10110817)	0.00021	(10110817)
3765182.8	0.00027	(10110817)	0.00023	(10110817)	0.00022	(10110817)	0.00021	(10110817)	0.00020	(10110817)
3765085.7	0.00027	(11030722)	0.00023	(09113004)	0.00023	(11030722)	0.00022	(11030722)	0.00020	(11030722)
3764988.6	0.00030	(10122923)	0.00028	(11030722)	0.00025	(11030722)	0.00023	(11030722)	0.00021	(11030722)
3764891.4	0.00034	(10122923)	0.00030	(10122923)	0.00025	(10122923)	0.00023	(12121821)	0.00021	(11030722)
3764794.3	0.00032	(10122923)	0.00030	(10122923)	0.00025	(08052119)	0.00022	(12121821)	0.00021	(12121821)
3764697.1	0.00030	(08052119)	0.00029	(08052119)	0.00026	(08052119)	0.00021	(08011406)	0.00020	(08052119)
3764600.0	0.00026	(08052119)	0.00026	(08052119)	0.00025	(08052119)	0.00022	(11030721)	0.00021	(08052119)
3764502.9	0.00022	(08052119)	0.00023	(08052119)	0.00022	(08052119)	0.00022	(08052119)	0.00021	(11030721)
3764405.7	0.00024	(09102721)	0.00021	(09102721)	0.00019	(08052119)	0.00020	(11030721)	0.00020	(08052119)
3764308.6	0.00026	(09102721)	0.00023	(09102721)	0.00019	(09102721)	0.00016	(09102721)	0.00015	(11030721)
3764211.4	0.00025	(09102721)	0.00023	(09102721)	0.00021	(09102721)	0.00019	(09102721)	0.00015	(09102721)
3764114.3	0.00022	(09102718)	0.00023	(09102721)	0.00022	(09102721)	0.00020	(09102721)	0.00018	(09102721)
3764017.2	0.00023	(09102718)	0.00021	(09102718)	0.00021	(09102721)	0.00020	(09102721)	0.00019	(09102721)
3763920.0	0.00021	(09102807)	0.00022	(09102718)	0.00021	(09102718)	0.00018	(09102721)	0.00016	(09102721)

*** AERMOD - VERSION 15181 *** *** C:\Lakes\AERMOD View\6351 Puente Hills Landfill Park\6351 Puente Hil *** 04/20/16
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**MODELOPTs: RegDEFAULT CONC ELEV URBAN

*** THE 1ST HIGHEST 1-HR AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: ALL ***
 INCLUDING SOURCE(S): FLARE1 , FLARE2 , FLARE3 , FLARE4 , FLARE5 ,
 FLARE6 , FLARE7 , FLARE8 , FLARE9 , FLARE10 , FLARE11 , FLARE12 , FLARE13 ,
 FLARE14 , FLARE15 , FLARE16 , FLARE17 , FLARE18 , FLARE19 , FLARE20 , FLARE21 ,
 FLARE22 , FLARE23 , FLARE24 ,

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

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

**

Y-COORD (METERS)	X-COORD (METERS)
407898.86	

3765862.8	0.00012	(12081020)
3765765.7	0.00011	(10110817)
3765668.5	0.00013	(10110817)
3765571.4	0.00014	(10110817)
3765474.3	0.00015	(10110817)
3765377.1	0.00018	(10110817)
3765280.0	0.00020	(10110817)
3765182.8	0.00019	(10110817)

3765085.7 | 0.00019 (11030722)
3764988.6 | 0.00020 (11030722)
3764891.4 | 0.00020 (11030722)
3764794.3 | 0.00020 (12121821)
3764697.1 | 0.00020 (08052119)
3764600.0 | 0.00021 (08052119)
3764502.9 | 0.00020 (08052119)
3764405.7 | 0.00019 (11030721)
3764308.6 | 0.00014 (11030721)
3764211.4 | 0.00013 (11030721)
3764114.3 | 0.00013 (09102721)
3764017.2 | 0.00014 (09102721)
3763920.0 | 0.00014 (09102721)

*** AERMOD - VERSION 15181 *** C:\Lakes\AERMOD View\6351 Puente Hills Landfill Park\6351 Puente Hil *** 04/20/16
*** AERMET - VERSION 14134 *** Trichlorofluoromethane *** 16:47:03
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**MODELOPTs: RegDEFAULT CONC ELEV URBAN

*** THE 1ST HIGHEST 1-HR AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: ALL ***
INCLUDING SOURCE(S): FLARE1 , FLARE2 , FLARE3 , FLARE4 , FLARE5 ,
FLARE6 , FLARE7 , FLARE8 , FLARE9 , FLARE10 , FLARE11 , FLARE12 , FLARE13 ,
FLARE14 , FLARE15 , FLARE16 , FLARE17 , FLARE18 , FLARE19 , FLARE20 , FLARE21 ,
FLARE22 , FLARE23 , FLARE24 ,

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

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

**

X-COORD (M)	Y-COORD (M)	CONC	(YYMMDDHH)	X-COORD (M)	Y-COORD (M)	CONC	(YYMMDDHH)
405475.87	3765283.33	0.00248	(10012115)	405487.28	3765227.63	0.00186	(12080612)
405496.83	3765177.10	0.00257	(10102809)	405361.06	3765124.16	0.00249	(08010701)
405556.64	3765179.21	0.00217	(12071216)	405516.99	3765024.87	0.00141	(08031008)
405795.26	3765005.20	0.00103	(09102718)	406083.86	3765241.01	0.00053	(10122923)
406158.41	3764974.02	0.00058	(11030721)	405659.63	3764787.39	0.00099	(10110404)
405927.52	3765602.51	0.00066	(12090919)				

*** AERMOD - VERSION 15181 *** C:\Lakes\AERMOD View\6351 Puente Hills Landfill Park\6351 Puente Hil *** 04/20/16
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**MODELOPTs: RegDEFAULT CONC ELEV URBAN

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

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

**

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

ALL	1ST HIGHEST VALUE IS	0.00015 AT (	405512.81,	3765377.13,	138.00,	308.00,	0.00)	GC	UCART1
	2ND HIGHEST VALUE IS	0.00012 AT (	405475.87,	3765283.33,	178.49,	306.00,	0.00)	DC	
	3RD HIGHEST VALUE IS	0.00012 AT (	405512.81,	3765474.27,	122.70,	311.00,	0.00)	GC	UCART1
	4TH HIGHEST VALUE IS	0.00012 AT (	405353.74,	3765377.13,	180.70,	305.00,	0.00)	GC	UCART1
	5TH HIGHEST VALUE IS	0.00010 AT (	405512.81,	3765279.99,	174.60,	306.00,	0.00)	GC	UCART1
	6TH HIGHEST VALUE IS	0.00009 AT (	405353.74,	3765474.27,	163.10,	306.00,	0.00)	GC	UCART1
	7TH HIGHEST VALUE IS	0.00008 AT (	405512.81,	3765571.41,	117.00,	311.00,	0.00)	GC	UCART1
	8TH HIGHEST VALUE IS	0.00008 AT (	405353.74,	3765182.85,	181.90,	306.00,	0.00)	GC	UCART1
	9TH HIGHEST VALUE IS	0.00008 AT (	405353.74,	3765279.99,	181.00,	305.00,	0.00)	GC	UCART1
	10TH HIGHEST VALUE IS	0.00007 AT (	405671.88,	3765474.27,	125.40,	311.00,	0.00)	GC	UCART1

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

*** AERMOD - VERSION 15181 ***	*** C:\Lakes\AERMOD View\6351 Puente Hills Landfill Park\6351 Puente Hil ***	04/20/16
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**MODELOPTs: RegDFAULT CONC ELEV URBAN

*** THE SUMMARY OF HIGHEST 1-HR RESULTS ***

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

GROUP ID	AVERAGE CONC	DATE (YYMMDDHH)	RECEPTOR (XR, YR, ZELEV, ZHILL, ZFLAG)	OF TYPE	NETWORK GRID-ID
ALL HIGH 1ST HIGH VALUE IS	0.00514	ON 08010424:	AT (405353.74, 3765377.13, 180.70, 305.00,	0.00)	GC UCART1

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

*** AERMOD - VERSION 15181 ***	*** C:\Lakes\AERMOD View\6351 Puente Hills Landfill Park\6351 Puente Hil ***	04/20/16
*** AERMET - VERSION 14134 ***	*** Trichlorofluoromethane ***	16:47:03
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**MODELOPTs: RegDFAULT CONC ELEV URBAN

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

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

A Total of	0 Fatal Error Message(s)
A Total of	0 Warning Message(s)

A Total of 1222 Informational Message(s)
A Total of 43848 Hours Were Processed
A Total of 13 Calm Hours Identified
A Total of 1209 Missing Hours Identified (2.76 Percent)

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

***** WARNING MESSAGES *****
*** NONE ***

*** AERMOD Finishes Successfully ***

```

** Lakes Environmental AERMOD MPI
**
*****
**
** AERMOD Input Produced by:
** AERMOD View Ver. 9.1.0
** Lakes Environmental Software Inc.
** Date: 4/20/2016
** File: C:\Lakes\AERMOD View\Puente Hills LFP Vinyl Chloride\Puente Hills LFP Vinyl Chloride.ADI
**
*****
**
**
*****
** AERMOD Control Pathway
*****
**
**
CO STARTING
  TITLEONE C:\Lakes\AERMOD View\6351 Puente Hills Landfill Park\6351 Puente Hil
  TITLETWO Vinyl Chloride
  MODELOPT DFAULT CONC
  AVERTIME 1 ANNUAL
  URBANOPT 9862049 Los_Angeles_County
  POLLUTID VINYLCHL
  RUNORNOT RUN
  ERRORFIL "Puente Hills LFP Vinyl Chloride.err"
CO FINISHED
**
*****
** AERMOD Source Pathway
*****
**
**
SO STARTING
** Source Location **
** Source ID - Type - X Coord. - Y Coord. **
  LOCATION FLARE1      POINT      405412.404  3765266.480    181.580
** DESCRSRC Flares (24 total)
  LOCATION FLARE2      POINT      405417.595  3765268.614    181.640
** DESCRSRC Flares (24 total)
  LOCATION FLARE3      POINT      405415.440  3765263.023    181.620
** DESCRSRC Flares (24 total)
  LOCATION FLARE4      POINT      405420.770  3765264.143    181.690
** DESCRSRC Flares (24 total)
  LOCATION FLARE5      POINT      405417.256  3765258.874    181.640
** DESCRSRC Flares (24 total)
  LOCATION FLARE6      POINT      405423.409  3765260.689    181.720
** DESCRSRC Flares (24 total)
  LOCATION FLARE7      POINT      405418.220  3765254.700    181.650
** DESCRSRC Flares (24 total)

```

LOCATION	FLARE8	POINT	405426.799	3765256.850	181.770
**	DESCRSRC	Flares (24 total)			
LOCATION	FLARE9	POINT	405420.223	3765250.883	181.680
**	DESCRSRC	Flares (24 total)			
LOCATION	FLARE10	POINT	405429.052	3765252.454	181.800
**	DESCRSRC	Flares (24 total)			
LOCATION	FLARE11	POINT	405423.375	3765246.684	181.720
**	DESCRSRC	Flares (24 total)			
LOCATION	FLARE12	POINT	405431.589	3765249.405	181.830
**	DESCRSRC	Flares (24 total)			
LOCATION	FLARE13	POINT	405427.483	3765241.984	181.780
**	DESCRSRC	Flares (24 total)			
LOCATION	FLARE14	POINT	405433.797	3765244.836	181.860
**	DESCRSRC	Flares (24 total)			
LOCATION	FLARE15	POINT	405430.394	3765236.806	181.820
**	DESCRSRC	Flares (24 total)			
LOCATION	FLARE16	POINT	405436.611	3765241.272	181.900
**	DESCRSRC	Flares (24 total)			
LOCATION	FLARE17	POINT	405433.570	3765232.416	181.860
**	DESCRSRC	Flares (24 total)			
LOCATION	FLARE18	POINT	405439.798	3765236.907	181.940
**	DESCRSRC	Flares (24 total)			
LOCATION	FLARE19	POINT	405436.746	3765227.834	181.900
**	DESCRSRC	Flares (24 total)			
LOCATION	FLARE20	POINT	405442.425	3765233.337	181.970
**	DESCRSRC	Flares (24 total)			
LOCATION	FLARE21	POINT	405440.173	3765223.711	181.940
**	DESCRSRC	Flares (24 total)			
LOCATION	FLARE22	POINT	405445.453	3765228.464	181.980
**	DESCRSRC	Flares (24 total)			
LOCATION	FLARE23	POINT	405442.883	3765219.270	181.980
**	DESCRSRC	Flares (24 total)			
LOCATION	FLARE24	POINT	405449.335	3765223.937	181.930
**	DESCRSRC	Flares (24 total)			
**	Source Parameters	**			
SRCPARAM	FLARE1	4.4678E-06	10.226	1088.706	4.245 2.530
SRCPARAM	FLARE2	4.4678E-06	10.226	1088.706	4.245 2.530
SRCPARAM	FLARE3	4.4678E-06	10.226	1088.706	4.245 2.530
SRCPARAM	FLARE4	4.4678E-06	10.226	1088.706	4.245 2.530
SRCPARAM	FLARE5	4.4678E-06	10.226	1088.706	4.245 2.530
SRCPARAM	FLARE6	4.4678E-06	10.226	1088.706	4.245 2.530
SRCPARAM	FLARE7	4.4678E-06	10.226	1088.706	4.245 2.530
SRCPARAM	FLARE8	4.4678E-06	10.226	1088.706	4.245 2.530
SRCPARAM	FLARE9	4.4678E-06	10.226	1088.706	4.245 2.530
SRCPARAM	FLARE10	4.4678E-06	10.226	1088.706	4.245 2.530
SRCPARAM	FLARE11	4.4678E-06	10.226	1088.706	4.245 2.530
SRCPARAM	FLARE12	4.4678E-06	10.226	1088.706	4.245 2.530
SRCPARAM	FLARE13	4.4678E-06	10.226	1088.706	4.245 2.530
SRCPARAM	FLARE14	4.4678E-06	10.226	1088.706	4.245 2.530
SRCPARAM	FLARE15	4.4678E-06	10.226	1088.706	4.245 2.530
SRCPARAM	FLARE16	4.4678E-06	10.226	1088.706	4.245 2.530

SRCPARAM	FLARE17	4.4678E-06	10.226	1088.706	4.245	2.530
SRCPARAM	FLARE18	4.4678E-06	10.226	1088.706	4.245	2.530
SRCPARAM	FLARE19	4.4678E-06	10.226	1088.706	4.245	2.530
SRCPARAM	FLARE20	4.4678E-06	10.226	1088.706	4.245	2.530
SRCPARAM	FLARE21	4.4678E-06	10.226	1088.706	4.245	2.530
SRCPARAM	FLARE22	4.4678E-06	10.226	1088.706	4.245	2.530
SRCPARAM	FLARE23	4.4678E-06	10.226	1088.706	4.245	2.530
SRCPARAM	FLARE24	4.4678E-06	10.226	1088.706	4.245	2.530
URBANSRC	ALL					
SRCGROUP	ALL					

SO FINISHED
**

** AERMOD Receptor Pathway

**
**
RE STARTING
INCLUDED "Puente Hills LFP Vinyl Chloride.rou"
RE FINISHED
**

** AERMOD Meteorology Pathway

**
**
ME STARTING
SURFFILE "C:\Users\Kate Wilson\Desktop\Met data\pico8.sfc"
PROFFILE "C:\Users\Kate Wilson\Desktop\Met data\pico8.PFL"
SURFDATA 0 2008
UAIRDATA 3190 2008
SITEDATA 99999 2008
PROFBASE 58.0 METERS
ME FINISHED
**

** AERMOD Output Pathway

**
**
OU STARTING
RECTABLE ALLAVE 1ST
RECTABLE 1 1ST
** Auto-Generated Plotfiles
PLOTFILE 1 ALL 1ST "PUENTE HILLS LFP VINYL CHLORIDE.AD\01H1GALL.PLT" 31
PLOTFILE ANNUAL ALL "PUENTE HILLS LFP VINYL CHLORIDE.AD\AN00GALL.PLT" 32
SUMMFILE "Puente Hills LFP Vinyl Chloride.sum"
OU FINISHED

*** SETUP Finishes Successfully ***

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**MODELOPTs: RegDEFAULT CONC ELEV URBAN

*** MODEL SETUP OPTIONS SUMMARY ***

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

-- DEPOSITION LOGIC --

**NO GAS DEPOSITION Data Provided.

**NO PARTICLE DEPOSITION Data Provided.

**Model Uses NO DRY DEPLETION. DRYDPLT = F

**Model Uses NO WET DEPLETION. WETDPLT = F

**Model Uses URBAN Dispersion Algorithm for the SBL for 24 Source(s),
for Total of 1 Urban Area(s):
Urban Population = 9862049.0 ; Urban Roughness Length = 1.000 m

**Model Uses Regulatory DEFAULT Options:

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

**Other Options Specified:

TEMP_Sub - Meteorological data includes TEMP substitutions

**Model Assumes No FLAGPOLE Receptor Heights.

**The User Specified a Pollutant Type of: VINYLCHL

**Model Calculates 1 Short Term Average(s) of: 1-HR
and Calculates ANNUAL Averages

**This Run Includes: 24 Source(s); 1 Source Group(s); and 452 Receptor(s)

with: 24 POINT(s), including
0 POINTCAP(s) and 0 POINTHOR(s)
and: 0 VOLUME source(s)
and: 0 AREA type source(s)
and: 0 LINE source(s)
and: 0 OPENPIT source(s)

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

**The AERMET Input Meteorological Data Version Date: 14134

**Output Options Selected:

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

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

**Misc. Inputs: Base Elev. for Pot. Temp. Profile (m MSL) = 58.00 ; 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: Puente Hills LFP Vinyl Chloride.err

**File for Summary of Results: Puente Hills LFP Vinyl Chloride.sum

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**MODELOPTs: RegDFAULT CONC ELEV URBAN

*** POINT SOURCE DATA ***

SOURCE ID	NUMBER PART. CATS.	EMISSION RATE (GRAMS/SEC)	X (METERS)	Y (METERS)	BASE ELEV. (METERS)	STACK HEIGHT (METERS)	STACK TEMP. (DEG.K)	STACK EXIT VEL. (M/SEC)	STACK DIAMETER (METERS)	BLDG EXISTS	URBAN SOURCE	CAP/ HOR	EMIS RATE SCALAR VARY BY
FLARE1	0	0.44678E-05	405412.4	3765266.5	181.6	10.23	1088.71	4.25	2.53	NO	YES	NO	
FLARE2	0	0.44678E-05	405417.6	3765268.6	181.6	10.23	1088.71	4.25	2.53	NO	YES	NO	
FLARE3	0	0.44678E-05	405415.4	3765263.0	181.6	10.23	1088.71	4.25	2.53	NO	YES	NO	
FLARE4	0	0.44678E-05	405420.8	3765264.1	181.7	10.23	1088.71	4.25	2.53	NO	YES	NO	
FLARE5	0	0.44678E-05	405417.3	3765258.9	181.6	10.23	1088.71	4.25	2.53	NO	YES	NO	
FLARE6	0	0.44678E-05	405423.4	3765260.7	181.7	10.23	1088.71	4.25	2.53	NO	YES	NO	
FLARE7	0	0.44678E-05	405418.2	3765254.7	181.7	10.23	1088.71	4.25	2.53	NO	YES	NO	
FLARE8	0	0.44678E-05	405426.8	3765256.8	181.8	10.23	1088.71	4.25	2.53	NO	YES	NO	
FLARE9	0	0.44678E-05	405420.2	3765250.9	181.7	10.23	1088.71	4.25	2.53	NO	YES	NO	
FLARE10	0	0.44678E-05	405429.1	3765252.5	181.8	10.23	1088.71	4.25	2.53	NO	YES	NO	
FLARE11	0	0.44678E-05	405423.4	3765246.7	181.7	10.23	1088.71	4.25	2.53	NO	YES	NO	
FLARE12	0	0.44678E-05	405431.6	3765249.4	181.8	10.23	1088.71	4.25	2.53	NO	YES	NO	
FLARE13	0	0.44678E-05	405427.5	3765242.0	181.8	10.23	1088.71	4.25	2.53	NO	YES	NO	
FLARE14	0	0.44678E-05	405433.8	3765244.8	181.9	10.23	1088.71	4.25	2.53	NO	YES	NO	
FLARE15	0	0.44678E-05	405430.4	3765236.8	181.8	10.23	1088.71	4.25	2.53	NO	YES	NO	

FLARE16	0	0.44678E-05	405436.6	3765241.3	181.9	10.23	1088.71	4.25	2.53	NO	YES	NO
FLARE17	0	0.44678E-05	405433.6	3765232.4	181.9	10.23	1088.71	4.25	2.53	NO	YES	NO
FLARE18	0	0.44678E-05	405439.8	3765236.9	181.9	10.23	1088.71	4.25	2.53	NO	YES	NO
FLARE19	0	0.44678E-05	405436.7	3765227.8	181.9	10.23	1088.71	4.25	2.53	NO	YES	NO
FLARE20	0	0.44678E-05	405442.4	3765233.3	182.0	10.23	1088.71	4.25	2.53	NO	YES	NO
FLARE21	0	0.44678E-05	405440.2	3765223.7	181.9	10.23	1088.71	4.25	2.53	NO	YES	NO
FLARE22	0	0.44678E-05	405445.5	3765228.5	182.0	10.23	1088.71	4.25	2.53	NO	YES	NO
FLARE23	0	0.44678E-05	405442.9	3765219.3	182.0	10.23	1088.71	4.25	2.53	NO	YES	NO
FLARE24	0	0.44678E-05	405449.3	3765223.9	181.9	10.23	1088.71	4.25	2.53	NO	YES	NO

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**MODELOPTs: RegDFAULT CONC ELEV URBAN

*** SOURCE IDs DEFINING SOURCE GROUPS ***

SRCGROUP ID	SOURCE IDs															
-----	-----															
ALL	FLARE1	,	FLARE2	,	FLARE3	,	FLARE4	,	FLARE5	,	FLARE6	,	FLARE7	,	FLARE8	,
	FLARE9	,	FLARE10	,	FLARE11	,	FLARE12	,	FLARE13	,	FLARE14	,	FLARE15	,	FLARE16	,
	FLARE17	,	FLARE18	,	FLARE19	,	FLARE20	,	FLARE21	,	FLARE22	,	FLARE23	,	FLARE24	,

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**MODELOPTs: RegDFAULT CONC ELEV URBAN

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

URBAN ID	URBAN POP	SOURCE IDs															
-----	-----	-----															
FLARE8	9862049.	FLARE1	,	FLARE2	,	FLARE3	,	FLARE4	,	FLARE5	,	FLARE6	,	FLARE7	,		
		FLARE9	,	FLARE10	,	FLARE11	,	FLARE12	,	FLARE13	,	FLARE14	,	FLARE15	,	FLARE16	,
		FLARE17	,	FLARE18	,	FLARE19	,	FLARE20	,	FLARE21	,	FLARE22	,	FLARE23	,	FLARE24	,

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**MODELOPTs: RegDFAULT CONC ELEV URBAN

*** GRIDDED RECEPTOR NETWORK SUMMARY ***

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

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

404717.5, 404876.5, 405035.6, 405194.7, 405353.7, 405512.8, 405671.9, 405831.0, 405990.0, 406149.1,
406308.2, 406467.2, 406626.3, 406785.4, 406944.4, 407103.5, 407262.6, 407421.7, 407580.7, 407739.8,
407898.9,

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

3763920.0, 3764017.2, 3764114.3, 3764211.4, 3764308.6, 3764405.7, 3764502.9, 3764600.0, 3764697.1, 3764794.3,
3764891.4, 3764988.6, 3765085.7, 3765182.8, 3765280.0, 3765377.1, 3765474.3, 3765571.4, 3765668.5, 3765765.7,
3765862.8,

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**MODELOPTs: RegDFAULT CONC ELEV URBAN

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

* ELEVATION HEIGHTS IN METERS *

Y-COORD (METERS)	X-COORD (METERS)								
	404717.46	404876.53	405035.60	405194.67	405353.74	405512.81	405671.88	405830.95	405990.02
3765862.83	85.20	86.70	88.10	89.80	90.80	91.00	95.30	97.70	97.60
3765765.69	88.00	89.30	91.00	94.80	98.90	99.40	104.00	109.00	109.90
3765668.55	92.90	93.50	102.50	106.30	109.10	108.80	113.00	121.00	120.80
3765571.41	101.00	106.10	116.80	124.20	124.70	117.00	117.30	124.50	121.10
3765474.27	109.40	115.90	132.00	161.80	163.10	122.70	125.40	130.20	121.80
3765377.13	115.60	122.00	145.70	178.70	180.70	138.00	152.10	139.20	121.20
3765279.99	119.10	127.70	157.90	180.20	181.00	174.60	174.50	156.40	131.80
3765182.85	121.50	136.60	167.70	180.50	181.90	182.10	182.00	174.90	168.00
3765085.71	125.30	146.90	177.00	181.90	185.70	191.60	182.00	182.00	184.20
3764988.57	124.50	139.80	172.30	181.90	194.40	221.20	192.20	190.60	201.00
3764891.43	121.60	127.80	162.80	181.70	210.40	242.30	223.60	216.80	231.60
3764794.29	121.80	132.20	165.00	192.00	229.20	245.50	246.70	242.80	245.30
3764697.15	124.00	142.10	174.70	207.10	240.70	250.90	260.70	268.50	279.10
3764600.01	125.70	140.80	179.10	204.50	233.90	258.20	281.20	295.40	302.00
3764502.87	122.10	125.00	177.00	187.00	218.30	262.80	299.20	303.40	302.80
3764405.73	121.00	144.60	179.30	181.90	211.60	263.90	304.00	303.80	303.90
3764308.59	146.30	164.20	181.70	182.00	220.20	264.90	304.00	303.50	297.60
3764211.45	174.40	180.90	182.00	182.00	229.50	265.30	293.20	290.50	276.00
3764114.31	171.50	170.00	180.40	182.00	228.70	262.60	281.20	272.60	252.30

3764017.17		121.00	151.40	179.00	181.90	232.40	255.60	268.20	257.90	243.50
3763920.03		123.00	148.90	183.50	197.80	241.00	247.10	253.90	250.20	243.70

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**MODELOPTs: RegDEFAULT CONC ELEV URBAN

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

* ELEVATION HEIGHTS IN METERS *

Y-COORD (METERS)		406149.09	406308.16	406467.23	406626.30	406785.37	406944.44	407103.51	407262.58	407421.65
3765862.83		91.80	88.90	87.90	93.00	98.60	102.20	99.00	97.50	94.70
3765765.69		101.30	95.70	95.00	99.00	108.40	112.80	108.00	105.20	105.70
3765668.55		111.90	109.30	110.60	113.00	126.00	147.00	130.70	131.70	135.30
3765571.41		118.80	121.20	120.30	117.90	133.60	177.80	156.80	158.40	161.60
3765474.27		126.50	144.40	151.70	127.90	164.20	183.80	183.70	183.30	185.80
3765377.13		138.10	167.60	180.80	156.00	177.30	192.30	195.70	197.70	200.80
3765279.99		161.50	182.70	185.20	172.90	188.80	199.00	201.20	209.50	212.90
3765182.85		191.40	193.30	190.10	192.50	202.60	219.30	231.20	250.40	236.10
3765085.71		229.10	207.40	194.10	206.00	216.30	231.40	250.90	256.80	244.90
3764988.57		243.20	225.30	214.60	225.80	226.50	226.20	227.40	232.10	232.10
3764891.43		255.60	246.70	243.80	247.20	236.80	225.50	210.80	214.80	226.80
3764794.29		277.90	279.40	280.10	270.10	251.20	238.70	215.80	203.70	239.10
3764697.15		297.40	300.80	302.60	288.20	261.50	248.70	223.20	195.80	225.90
3764600.01		303.50	304.00	305.10	297.60	265.00	247.90	222.20	190.60	198.40
3764502.87		303.90	303.50	303.50	298.20	262.00	240.50	208.40	185.40	184.50
3764405.73		303.80	302.50	301.00	295.80	257.30	233.20	207.70	179.10	177.00
3764308.59		293.60	300.30	299.40	296.50	262.00	233.10	223.50	184.50	173.70
3764211.45		277.00	295.40	303.20	302.20	278.10	241.70	237.60	209.30	190.90
3764114.31		258.70	290.30	306.90	307.60	289.30	250.60	252.50	235.30	211.20
3764017.17		244.30	289.20	303.10	304.30	294.80	262.20	253.10	244.20	212.60
3763920.03		251.70	287.60	300.70	299.50	297.00	274.70	257.00	234.70	215.20

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**MODELOPTs: RegDEFAULT CONC ELEV URBAN

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

* ELEVATION HEIGHTS IN METERS *

Y-COORD (METERS)		407580.72	407739.79	407898.86

3765862.83	87.60	83.40	78.20
3765765.69	102.50	97.50	91.70
3765668.55	116.90	112.80	103.10
3765571.41	129.10	121.80	114.90
3765474.27	156.60	146.00	138.50
3765377.13	182.60	174.00	173.40
3765279.99	203.70	197.40	195.90
3765182.85	227.90	226.10	206.00
3765085.71	234.50	231.90	205.50
3764988.57	220.40	210.80	196.60
3764891.43	226.00	212.30	186.50
3764794.29	249.90	238.50	206.80
3764697.15	259.40	252.50	223.70
3764600.01	245.40	248.40	223.70
3764502.87	221.90	229.20	208.80
3764405.73	188.10	194.70	185.80
3764308.59	164.80	160.90	153.60
3764211.45	177.30	166.10	141.70
3764114.31	196.00	186.80	150.60
3764017.17	188.40	181.90	150.80
3763920.03	176.00	164.80	150.40

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**MODELOPTs: RegDFAULT CONC ELEV URBAN

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

* HILL HEIGHT SCALES IN METERS *

Y-COORD (METERS)	404717.46	404876.53	405035.60	405194.67	405353.74	405512.81	405671.88	405830.95	405990.02
3765862.83	306.00	306.00	306.00	307.00	308.00	311.00	311.00	311.00	311.00
3765765.69	306.00	306.00	306.00	308.00	308.00	311.00	311.00	311.00	311.00
3765668.55	306.00	306.00	306.00	307.00	308.00	311.00	311.00	311.00	311.00
3765571.41	306.00	306.00	306.00	306.00	306.00	311.00	311.00	311.00	311.00
3765474.27	306.00	306.00	306.00	305.00	306.00	311.00	311.00	311.00	311.00
3765377.13	306.00	306.00	306.00	304.00	305.00	308.00	308.00	311.00	311.00
3765279.99	306.00	306.00	305.00	304.00	305.00	306.00	306.00	311.00	311.00
3765182.85	306.00	306.00	305.00	305.00	306.00	306.00	306.00	308.00	311.00
3765085.71	306.00	305.00	304.00	305.00	306.00	306.00	307.00	308.00	311.00
3764988.57	306.00	306.00	305.00	305.00	305.00	304.00	306.00	308.00	308.00
3764891.43	306.00	307.00	306.00	305.00	304.00	304.00	306.00	306.00	306.00
3764794.29	306.00	307.00	305.00	305.00	304.00	304.00	304.00	306.00	306.00
3764697.15	307.00	306.00	305.00	304.00	304.00	304.00	304.00	304.00	304.00
3764600.01	307.00	307.00	305.00	304.00	304.00	304.00	304.00	304.00	302.00
3764502.87	308.00	354.00	305.00	305.00	304.00	304.00	304.00	303.40	302.80
3764405.73	349.00	307.00	304.00	305.00	304.00	304.00	304.00	303.80	303.90

3764308.59		304.00	304.00	304.00	305.00	304.00	304.00	304.00	303.50	297.60
3764211.45		304.00	304.00	304.00	307.00	304.00	304.00	304.00	304.00	304.00
3764114.31		304.00	304.00	304.00	307.00	304.00	304.00	304.00	304.00	308.00
3764017.17		354.00	354.00	304.00	354.00	304.00	304.00	304.00	304.00	308.00
3763920.03		354.00	354.00	304.00	304.00	304.00	304.00	304.00	304.00	308.00

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**MODELOPTs: RegDFAULT CONC ELEV URBAN

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

* HILL HEIGHT SCALES IN METERS *

Y-COORD (METERS)		406149.09	406308.16	406467.23	406626.30	406785.37	406944.44	407103.51	407262.58	407421.65
3765862.83		311.00	311.00	311.00	311.00	311.00	311.00	311.00	311.00	311.00
3765765.69		311.00	311.00	311.00	311.00	311.00	311.00	311.00	311.00	311.00
3765668.55		311.00	311.00	311.00	311.00	311.00	311.00	311.00	311.00	311.00
3765571.41		311.00	311.00	311.00	311.00	311.00	306.00	311.00	306.00	306.00
3765474.27		311.00	311.00	311.00	311.00	311.00	306.00	306.00	306.00	267.00
3765377.13		311.00	311.00	306.00	311.00	311.00	306.00	306.00	306.00	267.00
3765279.99		311.00	311.00	311.00	311.00	311.00	306.00	306.00	302.00	263.00
3765182.85		308.00	311.00	311.00	311.00	306.00	306.00	263.00	263.00	263.00
3765085.71		306.00	306.00	311.00	311.00	306.00	306.00	259.00	263.00	263.00
3764988.57		306.00	306.00	311.00	306.00	306.00	306.00	306.00	263.00	267.00
3764891.43		306.00	306.00	306.00	306.00	306.00	311.00	311.00	311.00	267.00
3764794.29		305.00	306.00	306.00	306.00	306.00	306.00	311.00	311.00	267.00
3764697.15		303.00	300.80	302.60	306.00	306.00	306.00	311.00	311.00	267.00
3764600.01		303.50	304.00	305.10	306.00	306.00	311.00	311.00	311.00	311.00
3764502.87		303.90	303.50	303.50	306.00	311.00	311.00	311.00	311.00	311.00
3764405.73		303.80	302.50	301.00	304.00	311.00	311.00	311.00	354.00	354.00
3764308.59		304.00	300.30	299.40	296.50	311.00	311.00	311.00	354.00	354.00
3764211.45		304.00	295.40	303.20	302.20	311.00	311.00	311.00	345.00	354.00
3764114.31		308.00	307.00	306.90	307.60	311.00	311.00	311.00	311.00	345.00
3764017.17		311.00	307.00	303.10	304.30	311.00	311.00	311.00	311.00	354.00
3763920.03		309.00	304.00	300.70	299.50	297.00	311.00	311.00	345.00	354.00

*** AERMOD - VERSION 15181 *** *** C:\Lakes\AERMOD View\6351 Puente Hills Landfill Park\6351 Puente Hil *** 04/20/16
 *** AERMET - VERSION 14134 *** *** Vinyl Chloride *** 17:02:00
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**MODELOPTs: RegDFAULT CONC ELEV URBAN

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

* HILL HEIGHT SCALES IN METERS *

Y-COORD										

X-COORD (METERS)

(METERS)	407580.72	407739.79	407898.86
3765862.83	311.00	311.00	311.00
3765765.69	311.00	311.00	311.00
3765668.55	311.00	311.00	311.00
3765571.41	311.00	311.00	311.00
3765474.27	306.00	306.00	306.00
3765377.13	267.00	267.00	267.00
3765279.99	267.00	267.00	267.00
3765182.85	263.00	240.00	267.00
3765085.71	238.00	240.00	267.00
3764988.57	267.00	267.00	267.00
3764891.43	267.00	267.00	267.00
3764794.29	267.00	267.00	267.00
3764697.15	267.00	265.00	267.00
3764600.01	267.00	265.00	267.00
3764502.87	267.00	267.00	267.00
3764405.73	345.00	311.00	343.00
3764308.59	354.00	354.00	354.00
3764211.45	354.00	354.00	354.00
3764114.31	352.00	352.00	354.00
3764017.17	354.00	354.00	354.00
3763920.03	354.00	354.00	354.00

*** AERMOD - VERSION 15181 *** *** C:\Lakes\AERMOD View\6351 Puente Hills Landfill Park\6351 Puente Hil *** 04/20/16
 *** AERMET - VERSION 14134 *** *** Vinyl Chloride *** 17:02:00
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**MODELOPTs: RegDEFAULT CONC ELEV URBAN

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

(405475.9, 3765283.3,	178.5,	306.0,	0.0);	(405487.3, 3765227.6,	181.1,	306.0,	0.0);
(405496.8, 3765177.1,	182.5,	306.0,	0.0);	(405361.1, 3765124.2,	183.8,	306.0,	0.0);
(405556.6, 3765179.2,	182.0,	306.0,	0.0);	(405517.0, 3765024.9,	207.2,	305.0,	0.0);
(405795.3, 3765005.2,	188.0,	308.0,	0.0);	(406083.9, 3765241.0,	155.0,	311.0,	0.0);
(406158.4, 3764974.0,	244.3,	306.0,	0.0);	(405659.6, 3764787.4,	247.3,	304.0,	0.0);
(405927.5, 3765602.5,	122.2,	311.0,	0.0);				

*** AERMOD - VERSION 15181 *** *** C:\Lakes\AERMOD View\6351 Puente Hills Landfill Park\6351 Puente Hil *** 04/20/16
 *** AERMET - VERSION 14134 *** *** Vinyl Chloride *** 17:02:00
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**MODELOPTs: RegDEFAULT CONC ELEV URBAN

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

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

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

1.54, 3.09, 5.14, 8.23, 10.80,

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*** AERMOD - VERSION 15181 ***      *** C:\Lakes\AERMOD View\6351 Puente Hills Landfill Park\6351 Puente Hil ***      04/20/16
*** AERMET - VERSION 14134 ***      *** Vinyl Chloride ***      17:02:00
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**MODELOPTs:   RegDFAULT CONC      ELEV      URBAN

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

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Surface file: C:\Users\Kate Wilson\Desktop\Met data\pico8.sfc           Met Version: 14134
Profile file: C:\Users\Kate Wilson\Desktop\Met data\pico8.PFL
Surface format: FREE
Profile format: FREE
Surface station no.: 0           Upper air station no.: 3190
                Name: UNKNOWN                Name: UNKNOWN
                Year: 2008                  Year: 2008

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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
08	01	01	1	01	-999.0	-9.0000	-9.000	-9.000	-999.	-999.	-999999.0	0.34	1.00	1.00	999.00	999.	-9.0	285.4	5.5			
08	01	01	1	02	-999.0	-9.0000	-9.000	-9.000	-999.	-999.	-999999.0	0.34	1.00	1.00	999.00	999.	-9.0	284.2	5.5			
08	01	01	1	03	-999.0	-9.0000	-9.000	-9.000	-999.	-999.	-999999.0	0.34	1.00	1.00	999.00	999.	-9.0	283.8	5.5			
08	01	01	1	04	-999.0	-9.0000	-9.000	-9.000	-999.	-999.	-999999.0	0.34	1.00	1.00	999.00	999.	-9.0	284.2	5.5			
08	01	01	1	05	-999.0	-9.0000	-9.000	-9.000	-999.	-999.	-999999.0	0.34	1.00	1.00	999.00	999.	-9.0	284.9	5.5			
08	01	01	1	06	-999.0	-9.0000	-9.000	-9.000	-999.	-999.	-999999.0	0.34	1.00	1.00	999.00	999.	-9.0	285.4	5.5			
08	01	01	1	07	-999.0	-9.0000	-9.000	-9.000	-999.	-999.	-999999.0	0.34	1.00	1.00	999.00	999.	-9.0	285.9	5.5			
08	01	01	1	08	-999.0	-9.0000	-9.000	-9.000	-999.	-999.	-999999.0	0.34	1.00	0.54	999.00	999.	-9.0	286.4	5.5			
08	01	01	1	09	28.6	-9.0000	-9.000	-9.000	61.	-999.	-999999.0	0.34	1.00	0.32	999.00	999.	-9.0	287.0	5.5			
08	01	01	1	10	83.5	-9.0000	-9.000	-9.000	164.	-999.	-999999.0	0.34	1.00	0.24	999.00	999.	-9.0	289.2	5.5			
08	01	01	1	11	131.2	-9.0000	-9.000	-9.000	427.	-999.	-999999.0	0.34	1.00	0.21	999.00	999.	-9.0	292.5	5.5			
08	01	01	1	12	130.6	-9.0000	-9.000	-9.000	620.	-999.	-999999.0	0.34	1.00	0.20	999.00	999.	-9.0	294.2	5.5			
08	01	01	1	13	112.1	-9.0000	-9.000	-9.000	723.	-999.	-999999.0	0.34	1.00	0.20	999.00	999.	-9.0	294.9	5.5			
08	01	01	1	14	86.7	-9.0000	-9.000	-9.000	762.	-999.	-999999.0	0.34	1.00	0.21	999.00	999.	-9.0	294.9	5.5			
08	01	01	1	15	37.3	-9.0000	-9.000	-9.000	778.	-999.	-999999.0	0.34	1.00	0.25	999.00	999.	-9.0	294.2	5.5			
08	01	01	1	16	12.7	-9.0000	-9.000	-9.000	783.	-999.	-999999.0	0.34	1.00	0.33	999.00	999.	-9.0	293.8	5.5			
08	01	01	1	17	-999.0	-9.0000	-9.000	-9.000	-999.	-999.	-999999.0	0.34	1.00	0.60	999.00	999.	-9.0	292.5	5.5			

[illegible]

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**MODELOPTs:  RegDFAULT  CONC          ELEV          URBAN

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

[illegible]

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**MODELOPTs:  RegDFAULT  CONC          ELEV          URBAN
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*** THE ANNUAL AVERAGE CONCENTRATION VALUES AVERAGED OVER 5 YEARS FOR SOURCE GROUP: ALL ***
 INCLUDING SOURCE(S): FLARE1 , FLARE2 , FLARE3 , FLARE4 , FLARE5 ,
 FLARE6 , FLARE7 , FLARE8 , FLARE9 , FLARE10 , FLARE11 , FLARE12 , FLARE13 ,
 FLARE14 , FLARE15 , FLARE16 , FLARE17 , FLARE18 , FLARE19 , FLARE20 , FLARE21 ,
 FLARE22 , FLARE23 , FLARE24 ,

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

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

Y-COORD (METERS)	407580.72	407739.79	407898.86	X-COORD (METERS)
3765862.83	0.00000	0.00000	0.00000	
3765765.69	0.00000	0.00000	0.00000	
3765668.55	0.00000	0.00000	0.00000	
3765571.41	0.00000	0.00000	0.00000	
3765474.27	0.00000	0.00000	0.00000	
3765377.13	0.00000	0.00000	0.00000	
3765279.99	0.00000	0.00000	0.00000	
3765182.85	0.00000	0.00000	0.00000	
3765085.71	0.00000	0.00000	0.00000	
3764988.57	0.00000	0.00000	0.00000	
3764891.43	0.00000	0.00000	0.00000	
3764794.29	0.00000	0.00000	0.00000	
3764697.15	0.00000	0.00000	0.00000	
3764600.01	0.00000	0.00000	0.00000	
3764502.87	0.00000	0.00000	0.00000	
3764405.73	0.00000	0.00000	0.00000	
3764308.59	0.00000	0.00000	0.00000	
3764211.45	0.00000	0.00000	0.00000	
3764114.31	0.00000	0.00000	0.00000	
3764017.17	0.00000	0.00000	0.00000	
3763920.03	0.00000	0.00000	0.00000	

*** AERMOD - VERSION 15181 *** C:\Lakes\AERMOD View\6351 Puente Hills Landfill Park\6351 Puente Hil *** 04/20/16
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 **MODELOPTs: RegDEFAULT CONC ELEV URBAN PAGE 18

*** THE ANNUAL AVERAGE CONCENTRATION VALUES AVERAGED OVER 5 YEARS FOR SOURCE GROUP: ALL ***
 INCLUDING SOURCE(S): FLARE1 , FLARE2 , FLARE3 , FLARE4 , FLARE5 ,
 FLARE6 , FLARE7 , FLARE8 , FLARE9 , FLARE10 , FLARE11 , FLARE12 , FLARE13 ,
 FLARE14 , FLARE15 , FLARE16 , FLARE17 , FLARE18 , FLARE19 , FLARE20 , FLARE21 ,
 FLARE22 , FLARE23 , FLARE24 ,

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

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

**

X-COORD (M)	Y-COORD (M)	CONC	X-COORD (M)	Y-COORD (M)	CONC
405475.87	3765283.33	0.00007	405487.28	3765227.63	0.00004
405496.83	3765177.10	0.00004	405361.06	3765124.16	0.00003
405556.64	3765179.21	0.00003	405516.99	3765024.87	0.00002
405795.26	3765005.20	0.00001	406083.86	3765241.01	0.00001
406158.41	3764974.02	0.00000	405659.63	3764787.39	0.00001
405927.52	3765602.51	0.00002			

*** AERMOD - VERSION 15181 *** C:\Lakes\AERMOD View\6351 Puente Hills Landfill Park\6351 Puente Hil *** 04/20/16
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**MODELOPTs: RegDEFAULT CONC ELEV URBAN

*** THE 1ST HIGHEST 1-HR AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: ALL ***
 INCLUDING SOURCE(S): FLARE1 , FLARE2 , FLARE3 , FLARE4 , FLARE5 ,
 FLARE6 , FLARE7 , FLARE8 , FLARE9 , FLARE10 , FLARE11 , FLARE12 , FLARE13 ,
 FLARE14 , FLARE15 , FLARE16 , FLARE17 , FLARE18 , FLARE19 , FLARE20 , FLARE21 ,
 FLARE22 , FLARE23 , FLARE24 ,

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

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

**

Y-COORD (METERS)	404717.46	404876.53	X-COORD (METERS)	405035.60	405194.67	405353.74
3765862.8	0.00028 (08010421)	0.00031 (08010422)	0.00038 (08012705)	0.00043 (10122017)	0.00043 (08010501)	
3765765.7	0.00028 (08010421)	0.00036 (08010421)	0.00043 (08010422)	0.00051 (10122017)	0.00056 (08010501)	
3765668.5	0.00025 (08010421)	0.00039 (08010421)	0.00050 (08010422)	0.00059 (08010423)	0.00074 (08010501)	
3765571.4	0.00025 (08012421)	0.00033 (08010421)	0.00054 (08010421)	0.00075 (08010422)	0.00098 (08010501)	
3765474.3	0.00026 (12041104)	0.00027 (08012421)	0.00045 (08010421)	0.00087 (08010422)	0.00148 (08010424)	
3765377.1	0.00031 (11032018)	0.00034 (11032018)	0.00037 (12042514)	0.00089 (10100512)	0.00300 (08010424)	
3765280.0	0.00038 (11032018)	0.00050 (11032018)	0.00063 (11032018)	0.00101 (10102712)	0.00128 (08101709)	
3765182.8	0.00037 (11032018)	0.00047 (11032018)	0.00059 (08022207)	0.00135 (11120103)	0.00229 (11120103)	
3765085.7	0.00037 (08022207)	0.00049 (08022207)	0.00079 (11120103)	0.00157 (08012701)	0.00144 (08010701)	
3764988.6	0.00036 (08022207)	0.00041 (08022207)	0.00072 (08012701)	0.00114 (08012620)	0.00067 (08010701)	
3764891.4	0.00029 (08022207)	0.00038 (08012620)	0.00060 (08012620)	0.00098 (08010701)	0.00097 (09060302)	
3764794.3	0.00028 (08012624)	0.00039 (08012624)	0.00050 (08112604)	0.00076 (08010701)	0.00067 (09060302)	
3764697.1	0.00029 (08012624)	0.00036 (08012619)	0.00050 (08022206)	0.00046 (08010623)	0.00043 (10120518)	
3764600.0	0.00028 (08012624)	0.00032 (08112604)	0.00046 (08022206)	0.00038 (09060302)	0.00044 (09060302)	
3764502.9	0.00025 (08022323)	0.00028 (12030705)	0.00038 (08022206)	0.00040 (09060302)	0.00045 (09060302)	
3764405.7	0.00023 (12030705)	0.00026 (08022206)	0.00033 (08010623)	0.00038 (09060302)	0.00039 (09060302)	
3764308.6	0.00022 (12030705)	0.00026 (08010623)	0.00028 (08010623)	0.00036 (09060302)	0.00033 (09060302)	
3764211.4	0.00024 (12030705)	0.00027 (08010623)	0.00025 (09060302)	0.00033 (09060302)	0.00027 (09060302)	
3764114.3	0.00022 (08010623)	0.00022 (08010623)	0.00024 (09060302)	0.00030 (09060302)	0.00024 (09060302)	

3764017.2		0.00017 (08010623)	0.00017 (08010623)	0.00023 (09060302)	0.00027 (09060302)	0.00021 (09060302)
3763920.0		0.00015 (08010623)	0.00014 (08010623)	0.00023 (09060302)	0.00027 (09060302)	0.00017 (09060302)

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**MODELOPTs: RegDEFAULT CONC ELEV URBAN

*** THE 1ST HIGHEST 1-HR AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: ALL ***
INCLUDING SOURCE(S): FLARE1 , FLARE2 , FLARE3 , FLARE4 , FLARE5 ,
FLARE6 , FLARE7 , FLARE8 , FLARE9 , FLARE10 , FLARE11 , FLARE12 , FLARE13 ,
FLARE14 , FLARE15 , FLARE16 , FLARE17 , FLARE18 , FLARE19 , FLARE20 , FLARE21 ,
FLARE22 , FLARE23 , FLARE24 ,

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

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

Y-COORD (METERS)	405512.81	405671.88	X-COORD (METERS) 405830.95	405990.02	406149.09	
3765862.8		0.00045 (10033118)	0.00041 (10042118)	0.00035 (11102318)	0.00031 (12041318)	0.00028 (12090919)
3765765.7		0.00053 (10033118)	0.00050 (10042118)	0.00039 (08020318)	0.00034 (12090919)	0.00028 (12090919)
3765668.5		0.00059 (10033118)	0.00058 (10042118)	0.00043 (12041318)	0.00036 (12090919)	0.00031 (12031819)
3765571.4		0.00077 (10042118)	0.00057 (10042118)	0.00045 (12090919)	0.00039 (12031818)	0.00031 (12031818)
3765474.3		0.00106 (10042118)	0.00052 (12121813)	0.00047 (12031818)	0.00037 (12031818)	0.00026 (12031818)
3765377.1		0.00128 (08052114)	0.00066 (12031815)	0.00038 (12031818)	0.00025 (12031818)	0.00018 (10123010)
3765280.0		0.00138 (12012113)	0.00088 (12111014)	0.00041 (12111014)	0.00027 (10122923)	0.00023 (10122923)
3765182.8		0.00140 (09022810)	0.00081 (10122923)	0.00068 (10122923)	0.00049 (10122923)	0.00045 (10122923)
3765085.7		0.00107 (09011809)	0.00066 (10112810)	0.00069 (10122923)	0.00064 (10122923)	0.00047 (10122923)
3764988.6		0.00081 (09011808)	0.00052 (11111008)	0.00058 (09102718)	0.00041 (10122923)	0.00036 (11030721)
3764891.4		0.00070 (10010903)	0.00058 (12121819)	0.00065 (09102718)	0.00045 (09102718)	0.00034 (10120102)
3764794.3		0.00043 (10010903)	0.00057 (10110404)	0.00048 (12121818)	0.00035 (09102718)	0.00043 (08122103)
3764697.1		0.00032 (10010903)	0.00046 (09011807)	0.00046 (08122803)	0.00047 (09012705)	0.00041 (10011108)
3764600.0		0.00035 (08011224)	0.00053 (09040502)	0.00048 (11022802)	0.00044 (08112603)	0.00038 (09030706)
3764502.9		0.00035 (08011224)	0.00048 (12101721)	0.00044 (10111323)	0.00040 (09011022)	0.00036 (10110523)
3764405.7		0.00030 (08011224)	0.00042 (08121022)	0.00040 (10121119)	0.00037 (12101501)	0.00034 (08112603)
3764308.6		0.00027 (08011224)	0.00038 (12010208)	0.00037 (08100624)	0.00033 (08011420)	0.00032 (10123101)
3764211.4		0.00023 (08011224)	0.00034 (08032304)	0.00033 (09040502)	0.00030 (10030504)	0.00028 (08122803)
3764114.3		0.00019 (08011224)	0.00031 (09011423)	0.00028 (10111204)	0.00020 (10110404)	0.00019 (08121003)
3764017.2		0.00015 (11012704)	0.00024 (09011423)	0.00019 (10111204)	0.00021 (09011808)	0.00017 (09011808)
3763920.0		0.00011 (11012704)	0.00016 (09011423)	0.00015 (10123106)	0.00019 (09011808)	0.00017 (09011808)

*** AERMOD - VERSION 15181 ***	*** C:\Lakes\AERMOD View\6351 Puente Hills Landfill Park\6351 Puente Hil ***	04/20/16
*** AERMET - VERSION 14134 ***	*** Vinyl Chloride ***	17:02:00
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**MODELOPTs: RegDEFAULT CONC ELEV URBAN

*** THE 1ST HIGHEST 1-HR AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: ALL ***
INCLUDING SOURCE(S): FLARE1 , FLARE2 , FLARE3 , FLARE4 , FLARE5 ,

FLARE6 , FLARE7 , FLARE8 , FLARE9 , FLARE10 , FLARE11 , FLARE12 , FLARE13 ,
FLARE14 , FLARE15 , FLARE16 , FLARE17 , FLARE18 , FLARE19 , FLARE20 , FLARE21 ,
FLARE22 , FLARE23 , FLARE24 ,

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

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

**

Y-COORD (METERS)	406308.16	406467.23	X-COORD (METERS) 406626.30	406785.37	406944.44
3765862.8	0.00023 (12031819)	0.00021 (12031819)	0.00018 (12031819)	0.00016 (10102806)	0.00014 (10102806)
3765765.7	0.00026 (12031819)	0.00022 (12031819)	0.00018 (10102806)	0.00016 (10102806)	0.00014 (10102806)
3765668.5	0.00026 (12031818)	0.00020 (12031818)	0.00018 (10102806)	0.00016 (10102806)	0.00014 (10102806)
3765571.4	0.00023 (12031818)	0.00019 (10102806)	0.00016 (10102806)	0.00014 (10102806)	0.00015 (10102806)
3765474.3	0.00020 (10102806)	0.00016 (10102806)	0.00013 (10102806)	0.00014 (10110817)	0.00016 (10110817)
3765377.1	0.00016 (10110817)	0.00020 (10110817)	0.00015 (10110817)	0.00018 (10110817)	0.00017 (10110817)
3765280.0	0.00024 (10122923)	0.00021 (10110817)	0.00018 (10110817)	0.00019 (10110817)	0.00018 (10110817)
3765182.8	0.00035 (10122923)	0.00028 (10122923)	0.00022 (10122923)	0.00018 (10122923)	0.00017 (10110817)
3765085.7	0.00043 (10122923)	0.00034 (10122923)	0.00028 (10122923)	0.00022 (10122923)	0.00019 (11030722)
3764988.6	0.00038 (10122923)	0.00035 (10122923)	0.00028 (10122923)	0.00024 (10122923)	0.00021 (10122923)
3764891.4	0.00025 (09102717)	0.00025 (11030721)	0.00023 (08052119)	0.00023 (08052119)	0.00021 (10122923)
3764794.3	0.00037 (10113005)	0.00032 (08122002)	0.00026 (10012307)	0.00019 (11030721)	0.00019 (08052119)
3764697.1	0.00036 (08042801)	0.00032 (10102719)	0.00028 (12030702)	0.00019 (08122002)	0.00017 (11030721)
3764600.0	0.00034 (10011108)	0.00030 (08042801)	0.00027 (10102719)	0.00020 (10113005)	0.00015 (09102717)
3764502.9	0.00032 (09070623)	0.00029 (09092905)	0.00026 (08042801)	0.00018 (11022803)	0.00016 (09102721)
3764405.7	0.00030 (08112807)	0.00028 (09070623)	0.00024 (09092905)	0.00016 (08122103)	0.00017 (09102721)
3764308.6	0.00028 (10110523)	0.00026 (09030706)	0.00023 (09111106)	0.00017 (08012607)	0.00016 (09102721)
3764211.4	0.00026 (08112603)	0.00025 (09122001)	0.00023 (08031106)	0.00020 (11021806)	0.00016 (09102718)
3764114.3	0.00026 (08122001)	0.00023 (08112107)	0.00022 (08112807)	0.00020 (08122101)	0.00015 (09102718)
3764017.2	0.00025 (08122803)	0.00022 (08111406)	0.00021 (10110523)	0.00019 (08013106)	0.00015 (08122101)
3763920.0	0.00023 (09121606)	0.00021 (08122708)	0.00020 (09030206)	0.00018 (08112807)	0.00017 (08013106)

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**MODELOPTs: RegDEFAULT CONC ELEV URBAN

*** THE 1ST HIGHEST 1-HR AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: ALL ***
INCLUDING SOURCE(S): FLARE1 , FLARE2 , FLARE3 , FLARE4 , FLARE5 ,
FLARE6 , FLARE7 , FLARE8 , FLARE9 , FLARE10 , FLARE11 , FLARE12 , FLARE13 ,
FLARE14 , FLARE15 , FLARE16 , FLARE17 , FLARE18 , FLARE19 , FLARE20 , FLARE21 ,
FLARE22 , FLARE23 , FLARE24 ,

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

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

**

Y-COORD (METERS)	407103.51	407262.58	X-COORD (METERS) 407421.65	407580.72	407739.79

3765862.8	0.00013	(10102806)	0.00012	(10102806)	0.00010	(10102806)	0.00009	(10102806)	0.00008	(10102806)
3765765.7	0.00013	(10102806)	0.00011	(10102806)	0.00010	(10102806)	0.00008	(10102806)	0.00007	(12081020)
3765668.5	0.00012	(10102806)	0.00010	(10102806)	0.00009	(10102806)	0.00008	(10110817)	0.00008	(10110817)
3765571.4	0.00011	(10110817)	0.00011	(10110817)	0.00010	(10110817)	0.00009	(10110817)	0.00008	(10110817)
3765474.3	0.00015	(10110817)	0.00015	(10110817)	0.00014	(10110817)	0.00010	(10110817)	0.00009	(10110817)
3765377.1	0.00016	(10110817)	0.00015	(10110817)	0.00014	(10110817)	0.00013	(10110817)	0.00012	(10110817)
3765280.0	0.00016	(10110817)	0.00015	(10110817)	0.00014	(10110817)	0.00013	(10110817)	0.00012	(10110817)
3765182.8	0.00016	(10110817)	0.00013	(10110817)	0.00013	(10110817)	0.00012	(10110817)	0.00012	(10110817)
3765085.7	0.00016	(11030722)	0.00014	(09113004)	0.00014	(11030722)	0.00013	(11030722)	0.00012	(11030722)
3764988.6	0.00018	(10122923)	0.00016	(11030722)	0.00015	(11030722)	0.00014	(11030722)	0.00012	(11030722)
3764891.4	0.00020	(10122923)	0.00017	(10122923)	0.00015	(10122923)	0.00014	(12121821)	0.00013	(11030722)
3764794.3	0.00019	(10122923)	0.00017	(10122923)	0.00015	(08052119)	0.00013	(12121821)	0.00012	(12121821)
3764697.1	0.00018	(08052119)	0.00017	(08052119)	0.00015	(08052119)	0.00012	(08011406)	0.00012	(08052119)
3764600.0	0.00015	(08052119)	0.00015	(08052119)	0.00015	(08052119)	0.00013	(11030721)	0.00012	(08052119)
3764502.9	0.00013	(08052119)	0.00014	(08052119)	0.00013	(08052119)	0.00013	(08052119)	0.00012	(11030721)
3764405.7	0.00014	(09102721)	0.00012	(09102721)	0.00011	(08052119)	0.00012	(11030721)	0.00011	(08052119)
3764308.6	0.00015	(09102721)	0.00013	(09102721)	0.00011	(09102721)	0.00009	(09102721)	0.00009	(11030721)
3764211.4	0.00015	(09102721)	0.00014	(09102721)	0.00013	(09102721)	0.00011	(09102721)	0.00009	(09102721)
3764114.3	0.00013	(09102718)	0.00014	(09102721)	0.00013	(09102721)	0.00012	(09102721)	0.00011	(09102721)
3764017.2	0.00013	(09102718)	0.00012	(09102718)	0.00012	(09102721)	0.00012	(09102721)	0.00011	(09102721)
3763920.0	0.00012	(09102807)	0.00013	(09102718)	0.00012	(09102718)	0.00011	(09102721)	0.00009	(09102721)

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**MODELOPTs: RegDEFAULT CONC ELEV URBAN

*** THE 1ST HIGHEST 1-HR AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: ALL ***
 INCLUDING SOURCE(S): FLARE1 , FLARE2 , FLARE3 , FLARE4 , FLARE5 ,
 FLARE6 , FLARE7 , FLARE8 , FLARE9 , FLARE10 , FLARE11 , FLARE12 , FLARE13 ,
 FLARE14 , FLARE15 , FLARE16 , FLARE17 , FLARE18 , FLARE19 , FLARE20 , FLARE21 ,
 FLARE22 , FLARE23 , FLARE24 ,

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

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

**

Y-COORD (METERS)	X-COORD (METERS)
407898.86	

3765862.8	0.00007	(12081020)
3765765.7	0.00007	(10110817)
3765668.5	0.00007	(10110817)
3765571.4	0.00008	(10110817)
3765474.3	0.00009	(10110817)
3765377.1	0.00011	(10110817)
3765280.0	0.00012	(10110817)
3765182.8	0.00011	(10110817)

3765085.7		0.00011	(11030722)
3764988.6		0.00012	(11030722)
3764891.4		0.00012	(11030722)
3764794.3		0.00012	(12121821)
3764697.1		0.00012	(08052119)
3764600.0		0.00012	(08052119)
3764502.9		0.00012	(08052119)
3764405.7		0.00011	(11030721)
3764308.6		0.00008	(11030721)
3764211.4		0.00007	(11030721)
3764114.3		0.00008	(09102721)
3764017.2		0.00008	(09102721)
3763920.0		0.00008	(09102721)

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**MODELOPTs: RegDFAULT CONC ELEV URBAN

*** THE 1ST HIGHEST 1-HR AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: ALL ***

INCLUDING SOURCE(S): FLARE1 , FLARE2 , FLARE3 , FLARE4 , FLARE5 ,

FLARE6 , FLARE7 , FLARE8 , FLARE9 , FLARE10 , FLARE11 , FLARE12 , FLARE13 ,

FLARE14 , FLARE15 , FLARE16 , FLARE17 , FLARE18 , FLARE19 , FLARE20 , FLARE21 ,

FLARE22 , FLARE23 , FLARE24 ,

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

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

**

X-COORD (M)	Y-COORD (M)	CONC	(YYMMDDHH)	X-COORD (M)	Y-COORD (M)	CONC	(YYMMDDHH)
405475.87	3765283.33	0.00145	(10012115)	405487.28	3765227.63	0.00108	(12080612)
405496.83	3765177.10	0.00150	(10102809)	405361.06	3765124.16	0.00145	(08010701)
405556.64	3765179.21	0.00127	(12071216)	405516.99	3765024.87	0.00082	(08031008)
405795.26	3765005.20	0.00060	(09102718)	406083.86	3765241.01	0.00031	(10122923)
406158.41	3764974.02	0.00034	(11030721)	405659.63	3764787.39	0.00058	(10110404)
405927.52	3765602.51	0.00038	(12090919)				

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**MODELOPTs: RegDFAULT CONC ELEV URBAN

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

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

**

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

ALL	1ST HIGHEST VALUE IS	0.00009 AT (	405512.81,	3765377.13,	138.00,	308.00,	0.00)	GC	UCART1
	2ND HIGHEST VALUE IS	0.00007 AT (	405475.87,	3765283.33,	178.49,	306.00,	0.00)	DC	
	3RD HIGHEST VALUE IS	0.00007 AT (	405512.81,	3765474.27,	122.70,	311.00,	0.00)	GC	UCART1
	4TH HIGHEST VALUE IS	0.00007 AT (	405353.74,	3765377.13,	180.70,	305.00,	0.00)	GC	UCART1
	5TH HIGHEST VALUE IS	0.00006 AT (	405512.81,	3765279.99,	174.60,	306.00,	0.00)	GC	UCART1
	6TH HIGHEST VALUE IS	0.00005 AT (	405353.74,	3765474.27,	163.10,	306.00,	0.00)	GC	UCART1
	7TH HIGHEST VALUE IS	0.00005 AT (	405512.81,	3765571.41,	117.00,	311.00,	0.00)	GC	UCART1
	8TH HIGHEST VALUE IS	0.00005 AT (	405353.74,	3765182.85,	181.90,	306.00,	0.00)	GC	UCART1
	9TH HIGHEST VALUE IS	0.00005 AT (	405353.74,	3765279.99,	181.00,	305.00,	0.00)	GC	UCART1
	10TH HIGHEST VALUE IS	0.00004 AT (	405671.88,	3765474.27,	125.40,	311.00,	0.00)	GC	UCART1

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

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**MODELOPTs: RegDFAULT CONC ELEV URBAN

*** THE SUMMARY OF HIGHEST 1-HR RESULTS ***

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

GROUP ID	AVERAGE CONC	DATE (YYMMDDHH)	RECEPTOR (XR, YR, ZELEV, ZHILL, ZFLAG)	OF TYPE	NETWORK GRID-ID
ALL	HIGH 1ST HIGH VALUE IS	0.00300 ON 08010424:	AT (405353.74, 3765377.13, 180.70, 305.00,	0.00)	GC UCART1

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

*** AERMOD - VERSION 15181 ***	*** C:\Lakes\AERMOD View\6351 Puente Hills Landfill Park\6351 Puente Hil ***	04/20/16
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**MODELOPTs: RegDFAULT CONC ELEV URBAN

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

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

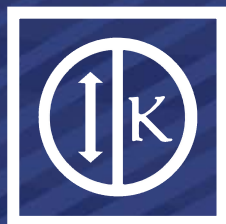
A Total of	0 Fatal Error Message(s)
A Total of	0 Warning Message(s)

A Total of 1222 Informational Message(s)
A Total of 43848 Hours Were Processed
A Total of 13 Calm Hours Identified
A Total of 1209 Missing Hours Identified (2.76 Percent)

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

***** WARNING MESSAGES *****
*** NONE ***

*** AERMOD Finishes Successfully ***



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