APPENDIX A
AIR QUALITY, ENERGY, AND GREENHOUSE GASES

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1. AIR QUALITY AND GREENHOUSE GAS BACKGROUND AND MODELING DATA

1.1 AIR QUALITY

1.1.1 Air Quality Regulatory Setting

The proposed project has the potential to release gaseous emissions of criteria pollutants and dust into the ambient air; therefore, it falls under the ambient air quality standards promulgated at the local, state, and federal levels. The project site is in the SoCAB and is subject to the rules and regulations imposed by the South Coast Air Quality Management District (South Coast AQMD). However, South Coast AQMD reports to California Air Resources board (CARB), and all criteria emissions are also governed by the California and national Ambient Air Quality Standards (AAQS). Federal, state, regional, and local laws, regulations, plans, or guidelines that are potentially applicable to the proposed project are summarized below.

AMBIENT AIR QUALITY STANDARDS

The Clean Air Act (CAA) was passed in 1963 by the US Congress and has been amended several times. The 1970 Clean Air Act amendments strengthened previous legislation and laid the foundation for the regulatory scheme of the 1970s and 1980s. In 1977, Congress again added several provisions, including nonattainment requirements for areas not meeting National AAQS and the Prevention of Significant Deterioration program. The 1990 amendments represent the latest in a series of federal efforts to regulate the protection of air quality in the United States. The CAA allows states to adopt more stringent standards or to include other pollution species. The California Clean Air Act (CCAA), signed into law in 1988, requires all areas of the state to achieve and maintain the California AAQS by the earliest practical date. The California AAQS tend to be more restrictive than the National AAQS, based on even greater health and welfare concerns.

These National AAQS and California AAQS are the levels of air quality considered to provide a margin of safety in the protection of the public health and welfare. They are designed to protect “sensitive receptors” most susceptible to further respiratory distress, such as asthmatics, the elderly, very young children, people already weakened by other disease or illness, and persons engaged in strenuous work or exercise. Healthy adults can tolerate occasional exposure to air pollutant concentrations considerably above these minimum standards before adverse effects are observed.

Both California and the federal government have established health-based AAQS for seven air pollutants. As shown in Table 1, *Ambient Air Quality Standards for Criteria Pollutants*, these pollutants include ozone (O_3), nitrogen dioxide (NO_2), carbon monoxide (CO), sulfur dioxide (SO_2), coarse inhalable particulate matter (PM_{10}), fine inhalable particulate matter ($PM_{2.5}$), and lead (Pb). In addition, the state has set standards for sulfates, hydrogen sulfide, vinyl chloride, and visibility-reducing particles. These standards are designed to protect the health and welfare of the populace with a reasonable margin of safety.

Table 1 Ambient Air Quality Standards for Criteria Pollutants

Pollutant	Averaging Time	California Standard[1]	Federal Primary Standard[2]	Major Pollutant Sources
Ozone (O_3)[3]	1 hour	0.09 ppm	*	Motor vehicles, paints, coatings, and solvents.
	8 hours	0.070 ppm	0.070 ppm	
Carbon Monoxide (CO)	1 hour	20 ppm	35 ppm	Internal combustion engines, primarily gasoline-powered motor vehicles.
	8 hours	9.0 ppm	9 ppm	
Nitrogen Dioxide (NO_2)	Annual Arithmetic Mean	0.030 ppm	0.053 ppm	Motor vehicles, petroleum-refining operations, industrial sources, aircraft, ships, and railroads.
	1 hour	0.18 ppm	0.100 ppm	
Sulfur Dioxide (SO_2)	Annual Arithmetic Mean	*	0.030 ppm	Fuel combustion, chemical plants, sulfur recovery plants, and metal processing.
	1 hour	0.25 ppm	0.075 ppm	
	24 hours	0.04 ppm	0.14 ppm	
Respirable Coarse Particulate Matter (PM_{10})	Annual Arithmetic Mean	20 µg/m3	*	Dust and fume-producing construction, industrial, and agricultural operations, combustion, atmospheric photochemical reactions, and natural activities (e.g., wind-raised dust and ocean sprays).
	24 hours	50 µg/m3	150 µg/m3	
Respirable Fine Particulate Matter ($PM_{2.5}$)[4,6]	Annual Arithmetic Mean	12 µg/m3	9 µg/m3	Dust and fume-producing construction, industrial, and agricultural operations, combustion, atmospheric photochemical reactions, and natural activities (e.g., wind-raised dust and ocean sprays).
	24 hours	*	35 µg/m3	

Table 1 Ambient Air Quality Standards for Criteria Pollutants

Pollutant	Averaging Time	California Standard[1]	Federal Primary Standard[2]	Major Pollutant Sources
Lead (Pb)	30-Day Average	1.5 µg/m3	*	Present source: lead smelters, battery manufacturing & recycling facilities. Past source: combustion of leaded gasoline.
	Calendar Quarter	*	1.5 µg/m3	
	Rolling 3-Month Average	*	0.15 µg/m3	
Sulfates (SO_4)[5]	24 hours	25 µg/m3	*	Industrial processes.
Visibility Reducing Particles	8 hours	ExCo =0.23/km visibility of 10≥ miles	No Federal Standard	Visibility-reducing particles consist of suspended particulate matter, which is a complex mixture of tiny particles that consists of dry solid fragments, solid cores with liquid coatings, and small droplets of liquid. These particles vary greatly in shape, size and chemical composition, and can be made up of many different materials such as metals, soot, soil, dust, and salt.
Hydrogen Sulfide	1 hour	0.03 ppm	No Federal Standard	Hydrogen sulfide (H_2S) is a colorless gas with the odor of rotten eggs. It is formed during bacterial decomposition of sulfur-containing organic substances. Also, it can be present in sewer gas and some natural gas and can be emitted as the result of geothermal energy exploitation.

Table 1 Ambient Air Quality Standards for Criteria Pollutants

Pollutant	Averaging Time	California Standard[1]	Federal Primary Standard[2]	Major Pollutant Sources
Vinyl Chloride	24 hours	0.01 ppm	No Federal Standard	Vinyl chloride (chloroethene), a chlorinated hydrocarbon, is a colorless gas with a mild, sweet odor. Most vinyl chloride is used to make polyvinyl chloride (PVC) plastic and vinyl products. Vinyl chloride has been detected near landfills, sewage plants, and hazardous waste sites, due to microbial breakdown of chlorinated solvents.

Source: CARB 2024a.

Notes: ppm: parts per million; µg/m^3: micrograms per cubic meter

* Standard has not been established for this pollutant/duration by this entity.

1 California standards for O_3, CO (except 8-hour Lake Tahoe), SO_2 (1 and 24 hour), NO_2, and particulate matter (PM_{10}, $PM_{2.5}$, and visibility reducing particles), are values that are not to be exceeded. All others are not to be equaled or exceeded. California ambient air quality standards are listed in the Table of Standards in Section 70200 of Title 17 of the California Code of Regulations.

2 National standards (other than O_3, PM, and those based on annual arithmetic mean) are not to be exceeded more than once a year. The O_3 standard is attained when the fourth highest 8-hour concentration measured at each site in a year, averaged over three years, is equal to or less than the standard. For PM_{10}, the 24-hour standard is attained when the expected number of days per calendar year with a 24-hour average concentration above 150 µg/m^3 is equal to or less than one. For $PM_{2.5}$, the 24-hour standard is attained when 98 percent of the daily concentrations, averaged over three years, are equal to or less than the standard.

3 On October 1, 2015, the national 8-hour ozone primary and secondary standards were lowered from 0.075 to 0.070 ppm.

4 On December 14, 2012, the national annual $PM_{2.5}$ primary standard was lowered from 15 µg/m^3 to 12.0 µg/m^3. The existing national 24-hour $PM_{2.5}$ standards (primary and secondary) were retained at 35 µg/m^3, as was the annual secondary standard of 15 µg/m^3. The existing 24-hour PM_{10} standards (primary and secondary) of 150 µg/m^3 also were retained. The form of the annual primary and secondary standards is the annual mean, averaged over 3 years.

5 On June 2, 2010, a new 1-hour SO_2 standard was established and the existing 24-hour and annual primary standards were revoked. The 1-hour national standard is in units of parts per billion (ppb). California standards are in units of parts per million (ppm). To directly compare the 1-hour national standard to the California standard the units can be converted to ppm. In this case, the national standard of 75 ppb is identical to 0.075 ppm.

6 On February 7, 2024, the national annual $PM_{2.5}$ standard was lowered from 12 µg/m^3 to 9 µg/m^3. The existing national 24-hour $PM_{2.5}$ standards (primary and secondary), secondary annual $PM_{2.5}$ standard, and PM_{10} standards (primary and secondary) were retained

California has also adopted a host of other regulations that reduce criteria pollutant emissions, including:

- AB 1493: Pavley Fuel Efficiency Standards
- Title 20 California Code of Regulations (CCR): Appliance Energy Efficiency Standards
- Title 24, Part 6, CCR: Building and Energy Efficiency Standards
- Title 24, Part 11, CCR: Green Building Standards Code

AIR POLLUTANTS OF CONCERN

Criteria Air Pollutants

The air pollutants emitted into the ambient air by stationary and mobile sources are regulated by federal and state law. Air pollutants are categorized as primary or secondary pollutants. Primary air pollutants are those that are emitted directly from sources and include CO, VOC, NO_2, SO_X, PM_{10}, $PM_{2.5}$, and Pb. Of these, CO, SO_2, NO_2, PM_{10}, and $PM_{2.5}$ are "criteria air pollutants," which means that ambient air quality standards (AAQS) have been established for them. VOC and oxides of nitrogen (NO_X) are air pollutant precursors that form secondary criteria pollutants through chemical and photochemical reactions in the atmosphere. Ozone (O_3) and NO_2 are the principal secondary pollutants. A description of each of the primary and secondary criteria air pollutants and their known health effects is presented below.

Carbon Monoxide (CO) is a colorless, odorless, toxic gas produced by incomplete combustion of carbon substances, such as gasoline or diesel fuel. CO is a primary criteria air pollutant. CO concentrations tend to be the highest during winter mornings with little to no wind, when surface-based inversions trap the pollutant at ground levels. Because CO is emitted directly from internal combustion, engines and motor vehicles operating at slow speeds are the primary source of CO in the SoCAB. The highest ambient CO concentrations are generally found near traffic-congested corridors and intersections. The primary adverse health effect associated with CO is interference with normal oxygen transfer to the blood, which may result in tissue oxygen deprivation (South Coast AQMD 2005; US EPA 2025a). The SoCAB is designated as being in attainment under the California AAQS and attainment (serious maintenance) under the National AAQS (CARB 2025a).

Volatile Organic Compounds (VOC) are composed primarily of hydrogen and carbon atoms. Internal combustion associated with motor vehicle usage is the major source of VOCs. Other sources include evaporative emissions from paints and solvents, asphalt paving, and household consumer products such as aerosols (South Coast AQMD 2005). There are no AAQS for VOCs. However, because they contribute to the formation of O_3, South Coast AQMD has established a significance threshold (South Coast AQMD 2023). The health effects for ozone are described later in this section.

Nitrogen Oxides (NO_X) are a by-product of fuel combustion and contribute to the formation of ground-level O_3, PM_{10}, and $PM_{2.5}$. The two major forms of NO_X are nitric oxide (NO) and nitrogen dioxide (NO_2). NO is a colorless, odorless gas formed from atmospheric nitrogen and oxygen when combustion takes place under high temperature and/or high pressure. The principal form of NO_X produced by combustion is NO, but NO reacts quickly with oxygen to form NO_2, creating the mixture of NO and NO_2 commonly called NO_X. NO_2 is an acute irritant and more injurious than NO in equal concentrations. At atmospheric concentrations, however, NO_2 is only potentially irritating. NO_2 absorbs blue light; the result is a brownish-red cast to the atmosphere and reduced visibility. NO_2 exposure concentrations near roadways are of particular concern for susceptible individuals, including asthmatics, children, and the elderly. Current scientific evidence links short-term NO_2 exposures, ranging from 30 minutes to 24 hours, with adverse respiratory effects, including airway inflammation in healthy people and increased respiratory symptoms in people with asthma. Also, studies show a connection between elevated short-term NO_2 concentrations and increased visits to emergency departments and hospital admissions for respiratory issues, especially asthma (South Coast AQMD 2005; USEPA 2025a). The SoCAB is designated in attainment (maintenance) under the National AAQS and attainment under the California AAQS (CARB 2025a).[1]

Sulfur Dioxide (SO_2) is a colorless, pungent, irritating gas formed by the combustion of sulfurous fossil fuels. It enters the atmosphere as a result of burning high-sulfur-content fuel oils and coal and chemical processes at plants and refineries. Gasoline and natural gas have very low sulfur content and do not release significant quantities of SO_2. When sulfur dioxide forms sulfates (SO_4) in the atmosphere, together these pollutants are referred to as sulfur oxides (SO_X). Thus, SO_2 is both a primary and secondary criteria air pollutant. At sufficiently high concentrations, SO_2 may irritate the upper respiratory tract. Current scientific evidence links short-term exposures to SO_2, ranging from 5 minutes to 24 hours, with an array of adverse respiratory effects, including bronchoconstriction and increased asthma symptoms. These effects are particularly adverse for asthmatics at elevated ventilation rates (e.g., while exercising or playing) at lower concentrations and when combined with particulates, SO_2 may do greater harm by injuring lung tissue. Studies also show a connection between short-term exposure and increased visits to emergency facilities and hospital admissions for respiratory illnesses, particularly in at-risk populations such as children, the elderly, and asthmatics (South Coast AQMD 2005; USEPA 2025a). The SoCAB is designated as attainment under the California and National AAQS (CARB 2025a).

Suspended Particulate Matter (PM_{10} and $PM_{2.5}$) consists of finely divided solids or liquids such as soot, dust, aerosols, fumes, and mists. Two forms of fine particulates are now recognized and regulated. Inhalable coarse particles, or PM_{10}, include particulate matter with an aerodynamic diameter of 10 microns or less (i.e., ≤0.01 millimeter). Inhalable fine particles, or $PM_{2.5}$, have an

[1] The CA-60 near-road portion of San Bernardino, Riverside and Los Angeles Counties has recently been redesignated as an attainment area based on data collected between 2018 and 2020 (South Coast AQMD 2022).

aerodynamic diameter of 2.5 microns or less (i.e., ≤0.002.5 millimeter). Particulate discharge into the atmosphere results primarily from industrial, agricultural, construction, and transportation activities. Both PM_{10} and $PM_{2.5}$ may adversely affect the human respiratory system, especially in people who are naturally sensitive or susceptible to breathing problems. The EPA's scientific review concluded that $PM_{2.5}$, which penetrates deeply into the lungs, is more likely than PM_{10} to contribute to health effects and at far lower concentrations. These health effects include premature death in people with heart or lung disease, nonfatal heart attacks, irregular heartbeat, aggravated asthma, decreased lung function, and increased respiratory symptoms (e.g., irritation of the airways, coughing, or difficulty breathing) (South Coast AQMD 2005). There has been emerging evidence that ultrafine particulates, which are even smaller particulates with an aerodynamic diameter of <0.1 microns or less (i.e., ≤0.0001 millimeter) have human health implications because their toxic components may initiate or facilitate biological processes that may lead to adverse effects to the heart, lungs, and other organs (South Coast AQMD 2013). However, the EPA and the California Air Resources Board (CARB) have not adopted AAQS to regulate these particulates. Diesel particulate matter is classified by CARB as a carcinogen (CARB 2025b). Particulate matter can also cause environmental effects such as visibility impairment,[2] environmental damage,[3] and aesthetic damage[4] (South Coast AQMD 2005; USEPA 2025a). The SoCAB is a nonattainment area for $PM_{2.5}$ under California and National AAQS and a nonattainment area for PM_{10} under the California AAQS (CARB 2025a).[5]

Ozone (O_3) is a key ingredient of "smog" and is a gas that is formed when VOCs and NO_X, both by-products of internal combustion engine exhaust, undergo photochemical reactions in sunlight. O_3 is a secondary criteria air pollutant. O_3 concentrations are generally highest during the summer months when direct sunlight, light winds, and warm temperatures create favorable conditions for its formation. O_3 poses a health threat to those who already suffer from respiratory diseases as well as to healthy people. Breathing O_3 can trigger a variety of health problems, including chest pain, coughing, throat irritation, and congestion. It can worsen bronchitis, emphysema, and asthma. Ground-level O_3 also can reduce lung function and inflame the linings of the lungs. Repeated exposure may permanently scar lung tissue. O_3 also affects sensitive vegetation and ecosystems, including forests, parks, wildlife refuges, and wilderness areas. In particular, O_3 harms sensitive vegetation during the growing season (South Coast

[2] $PM_{2.5}$ is the main cause of reduced visibility (haze) in parts of the United States.

[3] Particulate matter can be carried over long distances by wind and then settle on ground or water, making lakes and streams acidic; changing the nutrient balance in coastal waters and large river basins; depleting the nutrients in soil; damaging sensitive forests and farm crops; and affecting the diversity of ecosystems.

[4] Particulate matter can stain and damage stone and other materials, including culturally important objects such as statues and monuments.

[5] CARB approved the South Coast AQMD's request to redesignate the SoCAB from serious nonattainment for PM_{10} to attainment for PM_{10} under the National AAQS on March 25, 2010, because the SoCAB did not violate federal 24-hour PM_{10} standards from 2004 to 2007. The EPA approved the State of California's request to redesignate the South Coast PM_{10} nonattainment area to attainment of the PM_{10} National AAQS, effective on July 26, 2013.

AQMD 2005; USEPA 2025a). The SoCAB is designated extreme nonattainment under the California AAQS (1-hour and 8-hour) and National AAQS (8-hour) (CARB 2025a).

Lead (Pb) is a metal found naturally in the environment as well as in manufactured products. Once taken into the body, lead distributes throughout the body in the blood and accumulates in the bones. Depending on the level of exposure, lead can adversely affect the nervous system, kidney function, immune system, reproductive and developmental systems, and the cardiovascular system. Lead exposure also affects the oxygen-carrying capacity of the blood. The effects of lead most commonly encountered in current populations are neurological effects in children and cardiovascular effects in adults (e.g., high blood pressure and heart disease). Infants and young children are especially sensitive to even low levels of lead, which may contribute to behavioral problems, learning deficits, and lowered IQ (South Coast AQMD 2005; USEPA 2018). The major sources of lead emissions have historically been mobile and industrial sources. As a result of the EPA's regulatory efforts to remove lead from gasoline, emissions of lead from the transportation sector dramatically declined by 95 percent between 1980 and 1999, and levels of lead in the air decreased by 94 percent between 1980 and 1999. Today, the highest levels of lead in air are usually found near lead smelters. The major sources of lead emissions today are ore and metals processing and piston-engine aircraft operating on leaded aviation gasoline. However, in 2008 the EPA and CARB adopted more strict lead standards, and special monitoring sites immediately downwind of lead sources recorded very localized violations of the new state and federal standards.[6] As a result of these violations, the Los Angeles County portion of the SoCAB is designated as nonattainment under the National AAQS for lead (South Coast AQMD 2012; CARB 2025a). However, lead concentrations in this nonattainment area have been below the level of the federal standard since December 2011 (South Coast AQMD 2012). CARB's State Implementation Plan (SIP) revision was submitted to the EPA for approval. Because emissions of lead are found only in projects that are permitted by South Coast AQMD, lead is not a pollutant of concern for the proposed project.

Table 2, *Criteria Air Pollutant Health Effects Summary*, summarizes the potential health effects associated with the criteria air pollutants.

[6] Source-oriented monitors record concentrations of lead at lead-related industrial facilities in the SoCAB, which include Exide Technologies in the City of Commerce; Quemetco, Inc., in the City of Industry; Trojan Battery Company in Santa Fe Springs; and Exide Technologies in Vernon. Monitoring conducted between 2004 through 2007 showed that the Trojan Battery Company and Exide Technologies exceed the federal standards (South Coast AQMD 2012).

Table 2 Criteria Air Pollutant Health Effects Summary

Pollutant	Health Effects	Examples of Sources
Carbon Monoxide (CO)	▪ Chest pain in heart patients ▪ Headaches, nausea ▪ Reduced mental alertness ▪ Death at very high levels	Any source that burns fuel such as cars, trucks, construction and farming equipment, and residential heaters and stoves
Ozone (O_3)	▪ Cough, chest tightness ▪ Difficulty taking a deep breath ▪ Worsened asthma symptoms ▪ Lung inflammation	Atmospheric reaction of organic gases with nitrogen oxides in sunlight
Nitrogen Dioxide (NO_2)	▪ Increased response to allergens ▪ Aggravation of respiratory illness	Same as carbon monoxide sources
Particulate Matter (PM_{10} and $PM_{2.5}$)	▪ Hospitalizations for worsened heart diseases ▪ Emergency room visits for asthma ▪ Premature death	Cars and trucks (particularly diesels) Fireplaces and woodstoves Windblown dust from overlays, agriculture, and construction
Sulfur Dioxide (SO_2)	▪ Aggravation of respiratory disease (e.g., asthma and emphysema) ▪ Reduced lung function	Combustion of sulfur-containing fossil fuels, smelting of sulfur-bearing metal ores, and industrial processes
Lead (Pb)	▪ Behavioral and learning disabilities in children ▪ Nervous system impairment	Contaminated soil

Source: CARB 2025c.

Toxic Air Contaminants

The public's exposure to air pollutants classified as toxic air contaminants (TACs) is a significant environmental health issue in California. In 1983, the California Legislature enacted a program to identify the health effects of TACs and to reduce exposure to these contaminants to protect the public health. The California Health and Safety Code defines a TAC as "an air pollutant which may cause or contribute to an increase in mortality or in serious illness, or which may pose a present or potential hazard to human health." A substance that is listed as a hazardous air pollutant (HAP) pursuant to Section 112(b) of the federal Clean Air Act (42 United States Code §7412[b]) is a toxic air contaminant. Under state law, the California Environmental Protection Agency (Cal/EPA), acting through CARB, is authorized to identify a substance as a TAC if it determines that the substance is an air pollutant that may cause or contribute to an increase in mortality or to an increase in serious illness, or may pose a present or potential hazard to human health.

California regulates TACs primarily through Assembly Bill (AB) 1807 (Tanner Air Toxics Act) and AB 2588 (Air Toxics "Hot Spot" Information and Assessment Act of 1987). The Tanner Air Toxics Act sets forth a formal procedure for CARB to designate substances as TACs. Once a TAC is identified, CARB adopts an "airborne toxics control measure" for sources that emit designated TACs. If there is a safe threshold for a substance (i.e., a point below which there is no toxic effect), the control measure must reduce exposure to below that threshold. If there is no safe threshold, the measure must incorporate toxics best available control technology to minimize emissions. To date, CARB has established formal control measures for 11 TACs, all of which are identified as having no safe threshold.

Air toxics from stationary sources are also regulated in California under the Air Toxics "Hot Spot" Information and Assessment Act of 1987. Under AB 2588, toxic air contaminant emissions from individual facilities are quantified and prioritized by the air quality management district or air pollution control district. High priority facilities are required to perform a health risk assessment and, if specific thresholds are exceeded, are required to communicate the results to the public in the form of notices and public meetings.

By the last update to the TAC list in December 1999, CARB had designated 244 compounds as TACs (CARB 1999). Additionally, CARB has implemented control measures for a number of compounds that pose high risks and show potential for effective control. The majority of the estimated health risks from TACs can be attributed to relatively few compounds, the most important being particulate matter from diesel-fueled engines.

Diesel Particulate Matter

In 1998, CARB identified particulate emissions from diesel-fueled engines (diesel PM) as a TAC. Previously, the individual chemical compounds in diesel exhaust were considered TACs. Almost all diesel exhaust particle mass is 10 microns or less in diameter. Because of their extremely small size, these particles can be inhaled and eventually trapped in the bronchial and alveolar regions of the lung.

CARB has promulgated the following specific rules to limit TAC emissions:

- 13 CCR Chapter 10, Section 2485, Airborne Toxic Control Measure to Limit Diesel-Fueled Commercial Motor Vehicle Idling
- 13 CCR Chapter 10, Section 2480, Airborne Toxic Control Measure to Limit School Bus Idling and Idling at Schools
- 13 CCR Section 2477 and Article 8, Airborne Toxic Control Measure for In-Use Diesel-Fueled Transport Refrigeration Units (TRU) and TRU Generator Sets and Facilities Where TRUs Operate

Community Risk

In addition, to reduce exposure to TACs, CARB developed and approved the *Air Quality and Land Use Handbook: A Community Health Perspective* (2005) to provide guidance regarding the siting of sensitive land uses in the vicinity of freeways, distribution centers, rail yards, ports, refineries, chrome-plating facilities, dry cleaners, and gasoline-dispensing facilities. This guidance document was developed to assess compatibility and associated health risks when placing sensitive receptors near existing pollution sources. CARB's recommendations on the siting of new sensitive land uses were based on a compilation of recent studies that evaluated data on the adverse health effects from proximity to air pollution sources. The key observation in these studies is that proximity to air pollution sources substantially increases exposure and the potential for adverse health effects. There are three carcinogenic toxic air contaminants that constitute the majority of the known health risks from motor vehicle traffic, DPM from trucks, and benzene and 1,3-butadiene from passenger vehicles. CARB recommendations are based on data that show that localized air pollution exposures can be reduced by as much as 80 percent by following CARB minimum distance separations.

AIR QUALITY MANAGEMENT PLANNING

The South Coast AQMD is the agency responsible for improving air quality in the SoCAB and ensuring that the National and California AAQS are attained and maintained. South Coast AQMD is responsible for preparing the air quality management plan (AQMP) for the SoCAB in coordination with the Southern California Association of Governments (SCAG). Since 1979, a number of AQMPs have been prepared.

2022 AQMP

South Coast AQMD adopted the 2022 AQMP on December 2, 2022, which serves as an update to the 2017 AQMP. On October 1, 2015, the EPA strengthened the National AAQS for ground-level ozone, lowering the primary and secondary ozone standard levels to 70 parts per billion (ppb) (2015 Ozone National AAQS.). The SoCAB is currently classified as an "extreme" nonattainment for the 2015 Ozone National AAQS. Meeting the 2015 federal ozone standard requires reducing NO_x emissions, the key pollutant that creates ozone, by 67 percent more than is required by adopted rules and regulations in 2037. The only way to achieve the required NO_x reductions is through extensive use of zero emission (ZE) technologies across all stationary and mobile sources. South Coast AQMD's primary authority is over stationary sources which account for approximately 20 percent of NO_x emissions. The overwhelming majority of NO_x emissions are from heavy-duty trucks, ships and other State and federally regulated mobile sources that are mostly beyond the South Coast AQMD's control. The region will not meet the standard absent significant federal action. In addition to federal action, the 2022 AQMP requires substantial reliance on future deployment of advanced technologies to meet the standard. The control strategy for the 2022 AQMP includes aggressive new regulations and the development

of incentive programs to support early deployment of advanced technologies. The two key areas for incentive programs are (1) promoting widespread deployment of available ZE and low-NO_x technologies and (2) developing new ZE and ultra-low NO_x technologies for use in cases where the technology is not currently available. South Coast AQMD is prioritizing distribution of incentive funding in Environmental Justice areas and seeking opportunities to focus benefits on the most disadvantaged communities (South Coast AQMD 2022).

Lead State Implementation Plan

In 2008, EPA designated the Los Angeles County portion of the SoCAB nonattainment under the federal lead (Pb) classification 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. The rest of the SoCAB, outside the Los Angeles County nonattainment area remains in attainment of the new standard. On May 24, 2012, CARB approved the SIP revision for the federal lead standard, which the EPA revised in 2008. Lead concentrations in this nonattainment area have been below the level of the federal standard since December 2011. The SIP revision was submitted to EPA for approval.

South Coast AQMD PM2.5 Redesignation Request and Maintenance Plan

In 1997, the EPA adopted the 24-hour fine $PM_{2.5}$ standard of 65 micrograms per cubic meter ($\mu g/m^3$). In 2006, this standard was lowered to a more health-protective level of 35 $\mu g/m^3$. The SoCAB is designated nonattainment for both the 65 and 35 $\mu g/m^3$ 24-hour $PM_{2.5}$ standards (24-hour $PM_{2.5}$ standards). In 2020, monitored data demonstrated that the SoCAB attained both 24-hour $PM_{2.5}$ standards. The South Coast AQMD has developed the 2021 Redesignation Request and Maintenance Plan for the 1997 and 2006 24-hour $PM_{2.5}$ Standards demonstrating that the SoCAB has met the requirements to be redesignated to attainment for the 24-hour $PM_{2.5}$ standards (South Coast AQMD 2021a).

AB 617, Community Air Protection Program

Assembly Bill (AB) 617 (C. Garcia, Chapter 136, Statutes of 2017) requires local air districts to monitor and implement air pollution control strategies that reduce localized air pollution in communities that bear the greatest burdens. In response to AB 617, CARB has established the Community Air Protection Program.

Air districts are required to host workshops to help identify disadvantaged communities disproportionately affected by poor air quality. Once the criteria for identifying the highest priority locations have been identified and the communities have been selected, new community monitoring systems would be installed to track and monitor community-specific air pollution goals. In 2018 CARB prepared an air monitoring plan (Community Air Protection Blueprint), that evaluates the availability and effectiveness of air monitoring technologies and

existing community air monitoring networks. Under AB 617, the Blueprint is required to be updated every five years.

Under AB 617, CARB is also required to prepare a statewide strategy to reduce TACs and criteria pollutants in impacted communities; provide a statewide clearinghouse for best available retrofit control technology; adopt new rules requiring the latest best available retrofit control technology for all criteria pollutants for which an area has not achieved attainment of California AAQS; and provide uniform, statewide reporting of emissions inventories. Air districts are required to adopt a community emissions reduction program to achieve reductions for the communities impacted by air pollution that CARB identifies.

1.1.2 Existing Conditions

CLIMATE/METEOROLOGY

South Coast Air Basin

The project site lies in the South Coast Air Basin (SoCAB), which includes all of Orange County and the non-desert portions of Los Angeles, Riverside, and San Bernardino Counties. The SoCAB is in a coastal plain with connecting broad valleys and low hills and is bounded by the Pacific Ocean in the southwest quadrant, with high mountains forming the remainder of the perimeter. The general region lies in the semi-permanent high-pressure zone of the eastern Pacific. As a result, the climate is mild, tempered by cool sea breezes. This usually mild weather pattern is interrupted infrequently by periods of extremely hot weather, winter storms, and Santa Ana winds (South Coast AQMD 2005).

Temperature and Precipitation

The annual average temperature varies little throughout the SoCAB, ranging from the low to middle 60s, measured in degrees Fahrenheit (°F). With a more pronounced oceanic influence, coastal areas show less variability in annual minimum and maximum temperatures than inland areas. The lowest average temperature is reported at 45°F in December, and the highest average temperature is 86°F in August. Rainfall averages 12.3 inches per year in the vicinity of the area (Weatherspark 2026).

Humidity

Although the SoCAB has a semiarid climate, the air near the earth's surface is typically moist because of the presence of a shallow marine layer. Except for infrequent periods when dry, continental air is brought into the SoCAB by offshore winds, the "ocean effect" is dominant. Periods of heavy fog, especially along the coast, are frequent. Low clouds, often referred to as

high fog, are a characteristic climatic feature. Annual average humidity is 70 percent at the coast and 57 percent in the eastern portions of the (South Coast AQMD 2005).

Wind

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

Between periods of wind, periods of air stagnation may occur, both in the morning and evening hours. Air stagnation is one of the critical determinants of air quality conditions on any given day. During the winter and fall months, surface high-pressure systems over the SoCAB, combined with other meteorological conditions, can result in very strong, downslope Santa Ana winds. These winds normally continue a few days before predominant meteorological conditions are reestablished.

The mountain ranges to the east affect the transport and diffusion of pollutants by inhibiting their eastward transport. Air quality in the SoCAB generally ranges from fair to poor and is similar to air quality in most of coastal southern California. The entire region experiences heavy concentrations of air pollutants during prolonged periods of stable atmospheric conditions (South Coast AQMD 2005).

Inversions

In conjunction with the two characteristic wind patterns that affect the rate and orientation of horizontal pollutant transport, there are two similarly distinct types of temperature inversions that control the vertical depth through which pollutants are mixed. These are the marine/subsidence inversion and the radiation inversion. The combination of winds and inversions are critical determinants in leading to the highly degraded air quality in summer and the generally good air quality in the winter in the project area (South Coast AQMD 2005).

AREA DESIGNATIONS

The AQMP provides the framework for air quality basins to achieve attainment of the state and federal ambient air quality standards through the State Implementation Plan (SIP). Areas are classified as attainment or nonattainment areas for particular pollutants, depending on whether they meet ambient air quality standards. Severity classifications for ozone nonattainment range in magnitude from marginal, moderate, and serious to severe and extreme.

- ***Unclassified:*** a pollutant is designated unclassified if the data are incomplete and do not support a designation of attainment or nonattainment.
- ***Attainment:*** a pollutant is in attainment if the CAAQS for that pollutant was not violated at any site in the area during a three-year period.

- ***Nonattainment:*** a pollutant is in nonattainment if there was at least one violation of a state AAQS for that pollutant in the area.
- ***Nonattainment/Transitional:*** a subcategory of the nonattainment designation. An area is designated nonattainment/transitional to signify that the area is close to attaining the AAQS for that pollutant.

The attainment status for the SoCAB is shown in Table 3, *Attainment Status of Criteria Pollutants in the South Coast Air Basin*.

Table 3 Attainment Status of Criteria Pollutants in the South Coast Air Basin

Pollutant	State	Federal
Ozone – 1-hour	Extreme Nonattainment	No Federal Standard
Ozone – 8-hour	Extreme Nonattainment	Extreme Nonattainment
PM_{10}	Serious Nonattainment	Attainment
$PM_{2.5}$	Nonattainment	Nonattainment [1]
CO	Attainment	Attainment
NO_2	Attainment	Attainment
SO_2	Attainment	Attainment
Lead	Attainment	Nonattainment (Los Angeles County only) [2]
All others	Attainment/Unclassified	Attainment/Unclassified

Source: CARB 2025a.

1 The SoCAB is pending a resignation request from nonattainment to attainment for the 24-hour federal $PM_{2.5}$ standards. The 2021 $PM_{2.5}$ Redesignation Request and Maintenance Plan demonstrates that the South Coast meets the requirements of the CAA to allow US EPA to redesignate the SoCAB to attainment for the 65 µg/m^3 and 35 µg/m^3 24-hour $PM_{2.5}$ standards. CARB submitted the 2021 $PM_{2.5}$ Redesignation Request to the US EPA as a revision to the California SIP (CARB 2021).

2 In 2010, the Los Angeles portion of the SoCAB was designated nonattainment for lead under the new 2008 federal AAQS as a result of large industrial emitters. Remaining areas for lead in the SoCAB are unclassified. However, lead concentrations in this nonattainment area have been below the level of the federal standard since December 2011 (South Coast AQMD 2012). CARB's SIP revision was submitted to the US EPA for approval.

EXISTING AMBIENT AIR QUALITY

Existing levels of ambient air quality and historical trends and projections in the vicinity of the project site are best documented by measurements taken by the South Coast AQMD. The project site is located within Source Receptor Area (SRA) 16: North Orange County. The air quality monitoring station closest to the proposed project is the Anaheim-Pampas Lane Monitoring Station, which is one of the monitoring stations South Coast AQMD operates and maintains within the SoCAB.[7] Data from this station includes O_3, PM_{10}, $PM_{2.5}$, and NO_2. Table 4, *Ambient Air Quality Monitoring Summary,* shows rare violations of the state and federal O_3 standards, state PM_{10} standards, and federal $PM_{2.5}$ standards in the last three years.

Table 4 Ambient Air Quality Monitoring Summary

Pollutant/Standard	Number of Days Threshold Were Exceeded and Maximum Levels during Such Violations [1,2]		
	2022	2023	2024
Ozone (O_3)			
State 1-Hour ≥ 0.09 ppm (days exceed threshold)	1	0	3
State & Federal 8-hour ≥ 0.070 ppm (days exceed threshold)	1	2	3
Max. 1-Hour Conc. (ppm)	0.102	0.089	0.104
Max. 8-Hour Conc. (ppm)	0.076	0.076	0.079
Nitrogen Dioxide (NO_2)			
State 1-Hour ≥ 0.18 ppm (days exceed threshold)	0	0	0
Max. 1-Hour Conc. (ppb)	0.0530	0.0509	0.0531
Coarse Particulates (PM_{10})			
State 24-Hour > 50 µg/m^3 (days exceed threshold)	1	1	0
Federal 24-Hour > 150 µg/m^3 (days exceed threshold)	0	0	0
Max. 24-Hour Conc. (µg/m^3)	67.0	97.8	118.9
Fine Particulates ($PM_{2.5}$)			
Federal 24-Hour > 35 µg/m^3 (days exceed threshold)	0	1	5
Max. 24-Hour Conc. (µg/m^3)	33.1	45.6	49.7

Source: CARB 2026d.

Notes: ppm = parts per million; ppb = parts per billion; µg/m^3 = micrograms per cubic meter; * = Data not available

1 Data for O_3, $PM_{2.5}$, PM_{10}, and NO_2 from Anaheim-Pampas Lane Monitoring Station.

2 Most recent data available as of January 2026.

[7] Locations of the SRAs and monitoring stations are shown here: http://www.aqmd.gov/docs/default-source/default-document-library/map-of-monitoring-areas.pdf.

MULTIPLE AIR TOXICS EXPOSURE STUDY V

The Multiple Air Toxics Exposure Study (MATES) is a monitoring and evaluation study on existing ambient concentrations of TACs and the potential health risks from air toxics in the SoCAB. In April 2021, South Coast AQMD released the latest update to the MATES study, MATES V. The first MATES analysis, MATES I, began in 1986 but was limited because of the technology available at the time. Conducted in 1998, MATES II was the first MATES iteration to include a comprehensive monitoring program, an air toxics emissions inventory, and a modeling component. MATES III was conducted in 2004 to 2006, with MATES IV following in 2012 to 2013.

MATES V uses measurements taken during 2018 and 2019, with a comprehensive modeling analysis and emissions inventory based on 2018 data. The previous MATES studies quantified the cancer risks based on the inhalation pathway only. MATES V includes information on the chronic noncancer risks from inhalation and non-inhalation pathways for the first time. Cancer risks and chronic noncancer risks from MATES II through IV measurements have been re-examined using current Office of Environmental Health Hazards Assessment (OEHHA) and CalEPA risk assessment methodologies and modern statistical methods to examine the trends over time.

The MATES V study showed that cancer risk in the SoCAB decreased to 454 in a million from 997 in a million in the MATES IV study. Overall, air toxics cancer risk in the SoCAB decreased by 54 percent since 2012 when MATES IV was conducted. MATES V showed the highest risk locations near the Los Angeles International Airport and the Ports of Long Beach and Los Angeles. Diesel particulate matter continues to be the major contributor to air toxics cancer risk (approximately 72 percent of the total cancer risk). Goods movement and transportation corridors have the highest cancer risk. Transportation sources account for 88 percent of carcinogenic air toxics emissions, and the remainder is from stationary sources, which include large industrial operations such as refineries and power plants as well as smaller businesses such as gas stations and chrome-plating facilities. (South Coast AQMD 2021b).

SENSITIVE RECEPTORS

Some land uses are considered more sensitive to air pollution than others due to the types of population groups or activities involved. Sensitive population groups include children, the elderly, the acutely ill, and the chronically ill, especially those with cardio-respiratory diseases.

Residential areas are also considered to be sensitive receptors to air pollution because residents (including children and the elderly) tend to be at home for extended periods of time, resulting in sustained exposure to any pollutants present. Schools are also considered sensitive receptors, as children are present for extended durations and engage in regular outdoor activities. Recreational land uses are considered moderately sensitive to air pollution. Although exposure periods are generally short, exercise places a high demand on respiratory functions, which can

be impaired by air pollution. In addition, noticeable air pollution can detract from the enjoyment of recreation. Industrial and commercial areas are considered the least sensitive to air pollution. Exposure periods are relatively short and intermittent, as the majority of the workers tend to stay indoors most of the time. In addition, the working population is generally the healthiest segment of the public. The nearest sensitive receptors to the project site are the residences to the south and west of the project site, in addition to onsite receptors of Troy High School.

1.1.3 Thresholds of Significance

The analysis of the proposed project's air quality impacts follows the guidance and methodologies recommended in South Coast AQMD's *CEQA Air Quality Handbook* and the significance thresholds on South Coast AQMD's website (South Coast AQMD 1993). CEQA allows the significance criteria established by the applicable air quality management or air pollution control district to be used to assess impacts of a project on air quality. South Coast AQMD has established thresholds of significance for regional air quality emissions for construction activities and project operation. In addition to the daily thresholds listed above, projects are also subject to the AAQS. These are addressed though an analysis of localized CO impacts and localized significance thresholds (LSTs).

REGIONAL SIGNIFICANCE THRESHOLDS

The South Coast AQMD has adopted regional construction and operational emissions thresholds to determine a project's cumulative impact on air quality in the SoCAB. Table 5, *South Coast AQMD Significance Thresholds*, lists South Coast AQMD's regional significance thresholds that are applicable for all projects uniformly regardless of size or scope. There is growing evidence that although ultrafine particulates contribute a very small portion of the overall atmospheric mass concentration, they represent a greater proportion of the health risk from PM. However, the US EPA or CARB have not yet adopted AAQS to regulate ultrafine particulates; therefore, South Coast AQMD has not developed thresholds for them.

Table 5 South Coast AQMD Significance Thresholds

Air Pollutant	Construction Phase	Operational Phase
Reactive Organic Gases (ROGs)/ Volatile Organic Compounds (VOCs)	75 lbs/day	55 lbs/day
Nitrogen Oxides (NO_X)	100 lbs/day	55 lbs/day
Carbon Monoxide (CO)	550 lbs/day	550 lbs/day
Sulfur Oxides (SO_X)	150 lbs/day	150 lbs/day
Particulates (PM_{10})	150 lbs/day	150 lbs/day
Particulates ($PM_{2.5}$)	55 lbs/day	55 lbs/day

Source: South Coast AQMD 2023.

Projects that exceed the regional significance threshold contribute to the nonattainment designation of the SoCAB. The attainment designations are based on the AAQS, which are set at levels of exposure that are determined to not result in adverse health. Exposure to fine particulate pollution and ozone causes myriad health impacts, particularly to the respiratory and cardiovascular systems:

- Linked to increased cancer risk ($PM_{2.5}$, TACs)
- Aggravates respiratory disease (O_3, $PM_{2.5}$)
- Increases bronchitis (O_3, $PM_{2.5}$)
- Causes chest discomfort, throat irritation, and increased effort to take a deep breath (O_3)
- Reduces resistance to infections and increases fatigue (O_3)
- Reduces lung growth in children ($PM_{2.5}$)
- Contributes to heart disease and heart attacks ($PM_{2.5}$)
- Contributes to premature death (O_3, $PM_{2.5}$)
- Linked to lower birth weight in newborns ($PM_{2.5}$) (South Coast AQMD 2015a)

Exposure to fine particulates and ozone aggravates asthma attacks and can amplify other lung ailments such as emphysema and chronic obstructive pulmonary disease. Exposure to current levels of $PM_{2.5}$ is responsible for an estimated 4,300 cardiopulmonary-related deaths per year in the SoCAB. In addition, University of Southern California scientists responsible for a landmark children's health study found that lung growth improved as air pollution declined for children aged 11 to 15 in five communities in the SoCAB (South Coast AQMD 2015b).

South Coast AQMD is the primary agency responsible for ensuring the health and welfare of sensitive individuals exposed to elevated concentrations of air pollutants in the SoCAB and has established thresholds that would be protective of these individuals. To achieve the health-based standards established by the EPA, South Coast AQMD prepares an AQMP that details regional programs to attain the AAQS. Mass emissions thresholds shown in Table 4 are not correlated with concentrations of air pollutants but contribute to the cumulative air quality impacts in the SoCAB. These thresholds are based on the trigger levels for the federal New Source Review Program, which was created to ensure projects are consistent with attainment of health-based federal AAQS. Regional emissions from a single project do not trigger a regional health impact, and it is speculative to identify how many more individuals in the air basin would be affected by the health effects listed previously. Projects that do not exceed the South Coast AQMD regional significance thresholds in Table 4 would not violate any air quality standards or contribute substantially to an existing or projected air quality violation.

If projects exceed the emissions levels presented in Table 4, then those emissions would cumulatively contribute to the nonattainment status of the air basin and would contribute to elevating health effects associated with these criteria air pollutants. Known health effects related to ozone include worsening of bronchitis, asthma, and emphysema and a decrease in

lung function. Health effects associated with particulate matter include premature death of people with heart or lung disease, nonfatal heart attacks, irregular heartbeat, decreased lung function, and increased respiratory symptoms. Reducing emissions would contribute to reducing possible health effects related to criteria air pollutants. However, for projects that exceed the emissions in Table 4, it is speculative to determine how exceeding the regional thresholds would affect the number of days the region is in nonattainment, because mass emissions are not correlated with concentrations of emissions or how many additional individuals in the air basin would be affected by the health effects cited previously.

South Coast AQMD has not provided methodology to assess the specific correlation between mass emissions generated and the effect on health to address the issue raised in *Sierra Club v. County of Fresno* (Friant Ranch, L.P.) (2018) 6 Cal.5th 502, Case No. S21978. South Coast AQMD currently does not have methodologies that would provide the City with a consistent, reliable, and meaningful analysis to correlate specific health impacts that may result from a proposed project's mass emissions.[8] Ozone concentrations are dependent on a variety of complex factors, including the presence of sunlight and precursor pollutants, natural topography, nearby structures that cause building downwash, atmospheric stability, and wind patterns. Because of the complexities of predicting ground-level ozone concentrations in relation to the National and California AAQS, and the absence of modeling tools that could provide statistically valid data and meaningful additional information regarding health effects from criteria air pollutants generated by individual projects, it is not possible to link specific health risks to the magnitude of emissions exceeding the significance thresholds. However, if a project in the SoCAB exceeds the regional significance thresholds, the project could contribute to an increase in health effects in the basin until the attainment standards are met in the SoCAB.

CO HOTSPOTS

Areas of vehicle congestion have the potential to create pockets of CO called hot spots. These pockets have the potential to exceed the state one-hour standard of 20 ppm or the eight-hour standard of 9 ppm. Because CO is produced in greatest quantities from vehicle combustion and does not readily disperse into the atmosphere, adherence to ambient air quality standards is

[8] In April 2019, the Sacramento Metropolitan Air Quality Management District (SMAQMD) published an Interim Recommendation on implementing Sierra Club v. County of Fresno (2018) 6 Cal.5th 502 ("Friant Ranch") in the review and analysis of the proposed project under CEQA in Sacramento County. Consistent with the expert opinions submitted to the court in Friant Ranch by the San Joaquin Valley Air Pollution Control District (SJVAPCD) and South Coast AQMD, the SMAQMD guidance confirms the absence of an acceptable or reliable quantitative methodology that would correlate the expected criteria air pollutant emissions of projects to likely health consequences for people from project-generated criteria air pollutant emissions. The SMAQMD guidance explains that while it is in the process of developing a methodology to assess these impacts, lead agencies should follow the Friant Court's advice to explain in meaningful detail why this analysis is not yet feasible. Since this interim memorandum SMAQMD has provided methodology to address health impacts. However, a similar analysis is not available for projects within the South Coast AQMD region.

typically demonstrated through an analysis of localized CO concentrations. Hot spots are typically produced at intersections, where traffic congestion is highest because vehicles queue for longer periods and are subject to reduced speeds. With the turnover of older vehicles, introduction of cleaner fuels, and implementation of control technology on industrial facilities, CO concentrations in the SoCAB and in the state have steadily declined.

In 2007, the SoCAB was designated in attainment for CO under both the California AAQS and National AAQS. The CO hotspot analysis conducted for the attainment by the South Coast AQMD for busiest intersections in Los Angeles during the peak morning and afternoon periods plan did not predict a violation of CO standards.[9] As identified in the South Coast AQMD's 2003 AQMP and the 1992 Federal Attainment Plan for Carbon Monoxide (1992 CO Plan), peak carbon monoxide concentrations in the SoCAB in previous years, prior to redesignation, were a result of unusual meteorological and topographical conditions and not a result of congestion at a particular intersection. Since South Coast AQMD does not currently have an adopted CO hotspot screening criteria, Bay Area Air District's recommended threshold was used in this analysis. Under existing and future vehicle emission rates, a project would have to increase traffic volumes at a single intersection to more than 44,000 vehicles per hour—or 24,000 vehicles per hour where vertical and/or horizontal air does not mix—in order to generate a significant CO impact (Bay Area Air District 2023).

LOCALIZED SIGNIFICANCE THRESHOLDS

The South Coast AQMD developed LSTs for emissions of NO_2, CO, PM_{10}, and $PM_{2.5}$ generated at the project site (offsite mobile-source emissions are not included in the LST analysis). LSTs represent the maximum emissions at a project site that are not expected to cause or contribute to an exceedance of the most stringent federal or state AAQS and are shown in Table 6, *South Coast AQMD Localized Significance Thresholds*.

[9] The four intersections were: Long Beach Boulevard and Imperial Highway; Wilshire Boulevard and Veteran Avenue; Sunset Boulevard and Highland Avenue; and La Cienega Boulevard and Century Boulevard. The busiest intersection evaluated (Wilshire and Veteran) had a daily traffic volume of approximately 100,000 vehicles per day with LOS E in the morning peak hour and LOS F in the evening peak hour.

Table 6 South Coast AQMD Localized Significance Thresholds

Air Pollutant (Relevant AAQS)	Concentration
1-Hour CO Standard (CAAQS)	20 ppm
8-Hour CO Standard (CAAQS)	9.0 ppm
1-Hour NO_2 Standard (CAAQS)	0.18 ppm
Annual NO_2 Standard (CAAQS)	0.03 ppm
24-Hour PM_{10} Standard – Construction (South Coast AQMD) [1]	10.4 µg/m^3
24-Hour $PM_{2.5}$ Standard – Construction (South Coast AQMD) [1]	10.4 µg/m^3
24-Hour PM_{10} Standard – Operation (South Coast AQMD) [1]	2.5 µg/m^3
24-Hour $PM_{2.5}$ Standard – Operation (South Coast AQMD) [1]	2.5 µg/m^3

Source: South Coast AQMD 2023.

ppm – parts per million; µg/m^3 – micrograms per cubic meter

1 Threshold is based on South Coast AQMD Rule 403. Since the SoCAB is in nonattainment for PM_{10} and $PM_{2.5}$, the threshold is established as an allowable change in concentration. Therefore, background concentration is irrelevant.

To assist lead agencies, South Coast AQMD developed screening-level LSTs to back-calculate the mass amount (lbs. per day) of emissions generated onsite that would trigger the levels shown in Table 5 for projects under 5-acres. These "screening-level" LSTs tables are the localized significance thresholds for all projects of five acres and less; however, it can be used as screening criteria for larger projects to determine whether or not dispersion modeling may be required to compare concentrations of air pollutants generated by the project to the localized concentrations shown in Table 5.

In accordance with South Coast AQMD's LST methodology, the screening-level construction LSTs are based on the acreage disturbed per day based on equipment use and SRA. The screening-level construction LSTs for the project site in SRA 16 are shown in Table 7, *South Coast AQMD Screening-Level Localized Significance Thresholds,* for sensitive receptors within minimum reference distance of 82 feet (25 meters) for NO_X, CO, PM_{10} and $PM_{2.5}$..

Table 7 South Coast AQMD Screening-Level Localized Significance Thresholds

Acreage Disturbed	Threshold (lbs/day)[1]			
	Nitrogen Oxides (NO_X)	Carbon Monoxide (CO)	Coarse Particulates (PM_{10})	Fine Particulates ($PM_{2.5}$)
≤1.00 Acre Disturbed Per Day	103	522	4.00	3.00
1.31 Acre Disturbed Per Day	117	597	4.63	3.31
2.19 Acre Disturbed Per Day	152	796	6.31	4.13
2.5 Acre Disturbed Per Day	159	854	6.83	4.33
3.5 Acre Disturbed Per Day	184	1,037	8.50	5.00

Source: South Coast AQMD 2008, 2011, and 2023a.

1 LSTs are based on sensitive receptors within 82 feet (25 meters) for NO_X, CO, PM_{10} and $PM_{2.5}$.

HEALTH RISK

Whenever a project would require use of chemical compounds that have been identified in South Coast AQMD Rule 1401, placed on CARB's air toxics list pursuant to AB 1807, or placed on the EPA's National Emissions Standards for Hazardous Air Pollutants, a health risk assessment is required by the South Coast AQMD. Table 8, *South Coast AQMD Toxic Air Contaminants Incremental Risk Thresholds*, lists the TAC incremental risk thresholds for operation of a project. The type of land uses that typically generate substantial quantities of criteria air pollutants and TACs from operations include industrial (stationary sources) and warehousing (truck idling) land uses (CARB 2005). As beach uses do not use substantial quantities of TACs, these thresholds are typically applied to new industrial projects only. Additionally, the purpose of this environmental evaluation is to identify the significant effects of the proposed project on the environment, not the significant effects of the environment on the proposed project (*California Building Industry Association v. Bay Area Air Quality Management District* (2015) 62 Cal.4th 369 (Case No. S213478)).

Table 8 South Coast AQMD Toxic Air Contaminants Incremental Risk Thresholds

Maximum Incremental Cancer Risk	≥ 10 in 1 million
Hazard Index (project increment)	≥ 1.0
Cancer Burden in areas ≥ 1 in 1 million	> 0.5 excess cancer cases

Source: South Coast AQMD 2023.

Draft Operational Cumulative Health Risk Thresholds

South Coast AQMD initiated a Working Group to identify cumulative health risk thresholds for development projects in order to address community concerns of health risk impacts of new projects being developed in areas where there is a higher pollution burden. The cumulative health risk threshold methodology first utilizes a screening approach to identify whether projects can qualitatively address cumulative health risk or quantitatively address health risk:

- **Low Cancer Risk Project Types**: Residential, commercial, recreational, educational, and retail.
- **Medium Cancer Risk Project Types**: Truck yards, gas stations, small industrial projects, and linear projects.
- **High Cancer Risk Project Types**. Industrial, major transportation projects (airports, port, railyard, bus/train station), and major planning projects.

For projects with low and medium cancer risks, like the proposed project, a quantitative analysis is not warranted. For projects with the potential to cause high cancer risk impacts, a quantitative is recommended. The initial cumulative threshold is based on MATES V cancer risk

percentile, which identifies a gradient of the effects of air pollution on cancer risk in the South Coast AQMD Region. If the project triggers additional criteria, then the initial cumulative threshold should be adjusted as shown in Table 9, *MATES V Adjusted Cumulative Significant Cancer Risk Thresholds*.

Table 9 MATES V Adjusted Cumulative Significant Cancer Risk Thresholds

Project's Background MATES V Cancer Risk[1]	Revised Initial Thresholds based on Cancer Risk
Most Stringent	≥ 1 in 1 million
>90th Percentile	≥ 3 in 1 million
90th Percentile to 50th Percentile	≥ 5 in 1 million
50th Percentile to 30th Percentile	≥ 7 in 1 million
< 30th Percentile	≥ 10 in 1 million

Source: South Coast AQMD 2024.

Notes:

1 Most current MATES V is based on 2018 data.

As stated previously, South Coast AQMD has identified that the initial thresholds in Table 9 should be adjusted if any of the following criteria apply:

- **Criteria #1 – Post-2018 Projects with High Volume Diesel Fueled Trucks**. Post-2018 projects are not accounted for in MATES V. Therefore, if new warehousing projects along the truck route[10] have been constructed, then the initial thresholds will be adjusted to the next, more stringent level (e.g., cumulative threshold will adjust from 10 in one million to 7 in one million).
- **Criteria #2 – Health Sensitive Population**. If the project site is within SB 535 or AB 617 community, then the initial thresholds will be adjusted to the next, more stringent level (e.g., cumulative threshold will adjust from 7 in one million to 5 in one million).

This type of project would be considered low to medium cancer risks; thus, an operational cancer risk analysis for the proposed project would not be warranted.

1.2 GREENHOUSE GAS EMISSIONS

Scientists have concluded that human activities are contributing to global climate change by adding large amounts of heat-trapping gases, known as GHG, to the atmosphere. Climate change is the variation of Earth's climate over time, whether due to natural variability or as a result of human activities. The primary source of these GHG is fossil fuel use. The Intergovernmental Panel on Climate Change (IPCC) has identified four major GHG—water

[10] Truck route is from the project site to major freeway, within certain distance to sensitive receptors, add all diesel-fueled trucks from post-2018 projects.

vapor,[11] carbon (CO_2), methane (CH_4), and ozone (O_3)—that are the likely cause of an increase in global average temperatures observed within the 20th and 21st centuries. Other GHG identified by the IPCC that contribute to global warming to a lesser extent include nitrous oxide (N_2O), sulfur hexafluoride (SF_6), hydrofluorocarbons, perfluorocarbons, and chlorofluorocarbons (IPCC 2001).[12] The major GHG are briefly described below.

- **Carbon dioxide (CO_2)** enters the atmosphere through the burning of fossil fuels (oil, natural gas, and coal), solid waste, trees and wood products, and respiration, and also as a result of other chemical reactions (e.g. manufacture of cement). Carbon dioxide is removed from the atmosphere (sequestered) when it is absorbed by plants as part of the biological carbon cycle.
- **Methane (CH_4)** is emitted during the production and transport of coal, natural gas, and oil. Methane emissions also result from livestock and other agricultural practices and from the decay of organic waste in municipal landfills and water treatment facilities.
- **Nitrous oxide (N_2O)** is emitted during agricultural and industrial activities as well as during combustion of fossil fuels and solid waste.
- **Fluorinated gases** are synthetic, strong GHGs that are emitted from a variety of industrial processes. Fluorinated gases are sometimes used as substitutes for ozone-depleting substances. These gases are typically emitted in smaller quantities, but because they are potent GHGs, they are sometimes referred to as high global-warming-potential (GWP) gases.
    - ***Chlorofluorocarbons (CFCs***) are GHGs covered under the 1987 Montreal Protocol and used for refrigeration, air conditioning, packaging, insulation, solvents, or aerosol propellants. Since they are not destroyed in the lower atmosphere (troposphere, stratosphere), CFCs drift into the upper atmosphere where, given suitable conditions, they break down ozone. These gases are also ozone-depleting gases and are therefore being replaced by other compounds that are GHGs covered under the Kyoto Protocol.

[11] Water vapor (H_2O) is the strongest GHG and the most variable in its phases (vapor, cloud droplets, ice crystals). However, water vapor is not considered a pollutant, but part of the feedback loop rather than a primary cause of change.

[12] Black carbon contributes to climate change both directly, by absorbing sunlight, and indirectly, by depositing on snow (making it melt faster) and by interacting with clouds and affecting cloud formation. Black carbon is the most strongly light-absorbing component of particulate matter (PM) emitted from burning fuels such as coal, diesel, and biomass. Reducing black carbon emissions globally can have immediate economic, climate, and public health benefits. California has been an international leader in reducing emissions of black carbon, with close to 95 percent control expected by 2020 due to existing programs that target reducing PM from diesel engines and burning activities (CARB 2017). However, state and national GHG inventories do not yet include black carbon due to ongoing work resolving the precise global warming potential of black carbon. Guidance for CEQA documents does not yet include black carbon.

- ***Perfluorocarbons (PFCs)*** are a group of human-made chemicals composed of carbon and fluorine only. These chemicals (predominantly perfluoromethane [CF_4] and perfluoroethane [C_2F_6]) were introduced as alternatives, along with HFCs, to the ozone-depleting substances. In addition, PFCs are emitted as by-products of industrial processes and are used in manufacturing. PFCs do not harm the stratospheric ozone layer, but they have a high global warming potential.
- ***Sulfur Hexafluoride (SF_6)*** is a colorless gas soluble in alcohol and ether, slightly soluble in water. SF_6 is a strong GHG used primarily in electrical transmission and distribution systems as an insulator.
- ***Hydrochlorofluorocarbons (HCFCs)*** contain hydrogen, fluorine, chlorine, and carbon atoms. Although ozone-depleting substances, they are less potent at destroying stratospheric ozone than CFCs. They have been introduced as temporary replacements for CFCs and are also GHGs.
- ***Hydrofluorocarbons (HFCs)*** contain only hydrogen, fluorine, and carbon atoms. They were introduced as alternatives to ozone-depleting substances to serve many industrial, commercial, and personal needs. HFCs are emitted as by-products of industrial processes and are also used in manufacturing. They do not significantly deplete the stratospheric ozone layer, but they are strong GHGs (IPCC 2001; US EPA 2025b).

GHGs are dependent on the lifetime or persistence of the gas molecule in the atmosphere. Some GHGs have stronger greenhouse effects than others. These are referred to as high GWP gases. The GWP of GHG emissions are shown in Table 10, *GHG Emissions and Their Relative Global Warming Potential Compared to CO_2*. The GWP is used to convert GHGs to CO_2-equivalence (CO_2e) to show the relative potential that different GHGs have to retain infrared radiation in the atmosphere and contribute to the greenhouse effect. For example, under IPCC's Fifth Assessment Report (AR5) GWP values for CH_4, a project that generates 10 MT of CH_4 would be equivalent to 280 MT of CO_2.[13]

[13] The global warming potential of a GHG is dependent on the lifetime, or persistence, of the gas molecule in the atmosphere.

Table 10 GHG Emissions and Their Relative Global Warming Potential Compared to CO_2

GHGs	Fourth Assessment Report (AR4) Global Warming Potential Relative to CO_2 [1]	Fifth Assessment Report (AR5) Global Warming Potential Relative to CO_2 [1]	Sixth Assessment Report (AR6) Global Warming Potential Relative to CO_2 [1]
Carbon Dioxide (CO_2)	1	1	1
Methane[2] (CH_4)	25	28	30
Nitrous Oxide (N_2O)	298	265	273

Source: IPCC 2007, 2013, and 2023.

Notes: The IPCC published updated GWP values in its Sixth Assessment Report (AR6) that reflect latest information on atmospheric lifetimes of GHGs and an improved calculation of the radiative forcing of CO_2. However, GWP values identified in AR5 are used by the 2022 Scoping Plan for long-term emissions forecasting.

1 Based on 100-year time horizon of the GWP of the air pollutant compared to CO_2.

2 The methane GWP includes direct effects and indirect effects due to the production of tropospheric ozone and stratospheric water vapor. The indirect effect due to the production of CO_2 is not included.

1.2.1 GHG Regulatory Setting

REGULATION OF GHG EMISSIONS ON A NATIONAL LEVEL

The US Environmental Protection Agency (EPA) announced on December 7, 2009, that GHG emissions threaten the public health and welfare of the American people and that GHG emissions from on-road vehicles contribute to that threat. The EPA's final findings respond to the 2007 U.S. Supreme Court decision that GHG emissions fit within the Clean Air Act definition of air pollutants. The findings do not in and of themselves impose any emission reduction requirements but allow the EPA to finalize the GHG standards proposed in 2009 for new light-duty vehicles as part of the joint rulemaking with the Department of Transportation (US EPA 2009).

To regulate GHGs from passenger vehicles, EPA was required to issue an endangerment finding. The finding identifies emissions of six key GHGs—CO_2, CH_4, N_2O, hydrofluorocarbons, perfluorocarbons, and SF_6—that have been the subject of scrutiny and intense analysis for decades by scientists in the United States and around the world. The first three are applicable to the project's GHG emissions inventory because they constitute the majority of GHG emissions and, per South Coast AQMD guidance, are the GHG emissions that should be evaluated as part of a project's GHG emissions inventory.

US Mandatory Report Rule for GHGs (2009)

In response to the endangerment finding, the EPA issued the Mandatory Reporting of GHG Rule that requires substantial emitters of GHG emissions (large stationary sources, etc.) to report GHG emissions data. Facilities that emit 25,000 MT or more of CO_2 per year are required to submit an annual report.

Update to Corporate Average Fuel Economy Standards (2021 to 2026)

The federal government issued new Corporate Average Fuel Economy (CAFE) standards in 2012 for model years 2017 to 2025, which required a fleet average of 54.5 miles per gallon in 2025. On March 30, 2020, the EPA finalized an updated CAFE and GHG emissions standards for passenger cars and light trucks and established new standards covering model years 2021 through 2026, known as the Safer Affordable Fuel Efficient (SAFE) Vehicles Final Rule for Model Years 2021 to 2026. Under SAFE, the fuel economy standards will increase 1.5 percent per year compared to the 5 percent per year under the CAFE standards established in 2012. Overall, SAFE requires a fleet average of 40.4 MPG for model year 2026 vehicles (85 Federal Register 24174 (April 30, 2020)).

On December 21, 2021, under direction of Executive Order (EO) 13990 issued by President Biden, the National Highway Traffic Safety Administration repealed Safer Affordable Fuel Efficient Vehicles Rule Part One, which had preempted state and local laws related to fuel economy standards. In addition, on March 31, 2022, the National Highway Traffic Safety Administration finalized new fuel standards in response to EO 13990. Fuel efficiency under the standards proposed will increase 8 percent annually for model years 2024 to 2025 and 10 percent annual for model year 2026. Overall, the new CAFE standards require a fleet average of 49 MPG for passenger vehicles and light trucks for model year 2026, which would be a 10 MPG increase relative to model year 2021 (NHTSA 2022).

On June 7, 2024, NHTSA announced final CAFE standards for passenger cars and light trucks built in model years 2027-2031 and final fuel efficiency standards for heavy-duty pickup trucks and vans built in model years 2030-2035. The final rules establish standards that would require an industry fleet-wide average of approximately 50.4 mpg for passenger cars and light trucks in model year 2031, by increasing fuel economy by 2 percent year over year for passenger cars (model years 2027-2031) and for light trucks (model years 2029-2031). For heavy-duty pickup trucks and vans, the final rule would increase fuel efficiency at a rate of 10 percent per year (model years 2030-2032) and 8 percent per year (model years 2033-2035) (NHTSA 2024).

EPA Regulation of Stationary Sources under the Clean Air Act (Ongoing)

Pursuant to its authority under the Clean Air Act, the EPA has developed regulations for new, large, stationary sources of emissions, such as power plants and refineries. Under former President Obama's 2013 Climate Action Plan, the EPA was directed to develop regulations for

existing stationary sources as well. On June 19, 2019, the EPA issued the final Affordable Clean Energy (ACE) rule, which became effective on August 19, 2019. The ACE rule was crafted under the direction of President Trump's Energy Independence EO. It officially rescinded the Clean Power Plan rule issued during the Obama Administration and set emissions guidelines for states in developing plans to limit CO_2 emissions from coal-fired power plants. The Affordable Clean Energy rule was vacated by the United States Court of Appeals for the District of Columbia Circuit on January 19, 2021. The Biden Administration is assessing options on potential future regulations.

REGULATION OF GHG EMISSIONS ON A STATE LEVEL

Current State of California guidance and goals for reductions in GHG emissions are generally embodied in EO S-03-05 and EO B-30-15, EO B-55-18, Assembly Bill 32 (AB 32), Senate Bill 32 (SB 32), and SB 375.

Executive Order S-3-05

Executive Order S-3-05, signed June 1, 2005. Executive Order S-3-05 set the following GHG reduction targets for the State:

- 2000 levels by 2010
- 1990 levels by 2020
- 80 percent below 1990 levels by 2050

Assembly Bill 32, the Global Warming Solutions Act (2006)

AB 32 was passed by the California state legislature on August 31, 2006, to place the state on a course toward reducing its contribution of GHG emissions. AB 32 follows the 2020 tier of emissions reduction targets established in EO S-03-05. CARB prepared the 2008 Scoping Plan to outline a plan to achieve the GHG emissions reduction targets of AB 32.

Executive Order B-30-15

EO B-30-15, signed April 29, 2015, set a goal of reducing GHG emissions within the state to 40 percent of 1990 levels by year 2030. EO B-30-15 also directed CARB to update the Scoping Plan to quantify the 2030 GHG reduction goal for the state and requires state agencies to implement measures to meet the interim 2030 goal as well as the long-term goal for 2050 in EO S-03-05. It also requires the Natural Resources Agency to conduct triennial updates of the California adaption strategy, "Safeguarding California", in order to ensure climate change is accounted for in state planning and investment decisions.

Senate Bill 32 and Assembly Bill 197

In September 2016, Governor Brown signed SB 32 and AB 197 into law, making the Executive Order goal for year 2030 into a statewide mandated legislative target. AB 197 established a joint legislative committee on climate change policies and requires the CARB to prioritize direction emissions reductions rather than the market-based cap-and-trade program for large stationary, mobile, and other sources.

Executive Order B-55-18

Executive Order B-55-18, signed September 10, 2018, set a goal "to achieve carbon neutrality as soon as possible, and no later than 2045, and achieve and maintain net negative emissions thereafter." Executive Order B-55-18 directs CARB to work with relevant state agencies to ensure that future Scoping Plans identify and recommend measures to achieve the carbon neutrality goal. The goal of carbon neutrality by 2045 is in addition to other statewide goals, meaning that not only should emissions be reduced to 80 percent below 1990 levels by 2050, but that, by no later than 2045, the remaining emissions should be offset by equivalent net removals of CO_2e from the atmosphere, including through sequestration in forests, soils, and other natural landscapes.

Assembly Bill 1279

AB 1279, signed by Governor Newsom in September 2022, codified the carbon neutrality targets of EO B-55-18 for year 2045 and sets a new legislative target for year 2045 of 85 percent below 1990 levels for anthropogenic GHG emissions. SB 1279 also requires CARB to update the Scoping Plan to address these new targets.

2022 Climate Change Scoping Plan

CARB adopted the *2022 Scoping Plan for Achieving Carbon Neutrality* (2022 Scoping Plan) on December 15, 2022, which lays out a path to achieve carbon neutrality by 2045 or earlier and to reduce the State's anthropogenic GHG emissions (CARB 2022). The Scoping Plan provides updates to the previously adopted 2017 Scoping Plan and addresses the carbon neutrality goals of EO B-55-18 (discussed below) and the ambitious GHG reduction target as directed by AB 1279. Previous Scoping Plans focused on specific GHG reduction targets for our industrial, energy, and transportation sectors—to meet 1990 levels by 2020, and then the more aggressive 40 percent below that for the 2030 target. The 2022 Scoping Plan updates the target of reducing anthropogenic emissions to 85 percent below 1990 levels by 2045. Carbon neutrality takes it one step further by expanding actions to capture and store carbon including through natural and working lands and mechanical technologies, while drastically reducing anthropogenic sources of carbon pollution at the same time.

The path forward was informed by the recent Sixth Assessment Report (AR6) of the IPCC and the measures would achieve 85 percent below 1990 levels by 2045 in accordance AB 1279. CARB's 2022 Scoping Plan identifies strategies as shown in Table 11, *Priority Strategies for Local Government Climate Action Plans*, that would be most impactful at the local level for ensuring substantial process towards the State's carbon neutrality goals.

Table 11 Priority Strategies for Local Government Climate Action Plans

Priority Area	Priority Strategies
Transportation Electrification	Convert local government fleets to zero-emission vehicles (ZEV) and provide EV charging at public sites.
	Create a jurisdiction-specific ZEV ecosystem to support deployment of ZEVs statewide (such as building standards that exceed state building codes, permit streamlining, infrastructure siting, consumer education, preferential parking policies, and ZEV readiness plans).
VMT Reduction	Reduce or eliminate minimum parking standards.
	Implement Complete Streets policies and investments, consistent with general plan circulation element requirements.
	Increase access to public transit by increasing density of development near transit, improving transit service by increasing service frequency, creating bus priority lanes, reducing or eliminating fares, microtransit, etc.
	Increase public access to clean mobility options by planning for and investing in electric shuttles, bike share, car share, and walking
	Implement parking pricing or transportation demand management pricing strategies.
	Amend zoning or development codes to enable mixed-use, walkable, transit-oriented, and compact infill development (such as increasing allowable density of the neighborhood).
	Preserve natural and working lands by implementing land use policies that guide development toward infill areas and do not convert "greenfield" land to urban uses (e.g., green belts, strategic conservation easements)
Building Decarbonization	Adopt all-electric new construction reach codes for residential and commercial uses.
	Adopt policies and incentive programs to implement energy efficiency retrofits for existing buildings, such as weatherization, lighting upgrades, and replacing energy-intensive appliances and equipment with more efficient systems (such as Energy Star-rated equipment and equipment controllers).
	Adopt policies and incentive programs to electrify all appliances and equipment in existing buildings such as appliance rebates, existing building reach codes, or time of sale electrification ordinances.
	Facilitate deployment of renewable energy production and distribution and energy storage on privately owned land uses (e.g., permit streamlining, information sharing).

Priority Area	Priority Strategies
Building Decarbonization (cont.)	Deploy renewable energy production and energy storage directly in new public projects and on existing public facilities (e.g., solar photovoltaic systems on rooftops of municipal buildings and on canopies in public parking lots, battery storage systems in municipal buildings).

Source: CARB 2022.

Based on Appendix D of the 2022 CARB Climate Change Scoping Plan, for residential and mixed-use development projects, CARB recommends first demonstrating that these land use development projects are aligned with State climate goals based on the attributes of land use development that reduce operational GHG emissions while simultaneously advancing fair housing. Attributes that accommodate growth in a manner consistent with the GHG and equity goals of SB 32 have all the following attributes:

- Transportation Electrification
  - Provide EV charging infrastructure that, at a minimum, meets the most ambitious voluntary standards in the California Green Building Standards Code at the time of project approval.

- VMT Reduction
  - Is located on infill sites that are surrounded by existing urban uses and reuses or redevelops previously undeveloped or underutilized land that is presently served by existing utilities and essential public services (e.g., transit, streets, water, sewer).
  - Does not result in the loss or conversion of the State's natural and working lands;
  - Consists of transit-supportive densities (minimum of 20 residential dwelling units/acre), or is in proximity to existing transit stops (within a half mile), or satisfies more detailed and stringent criteria specified in the region's Sustainable Communities Strategy (SCS);
  - Reduces parking requirements by:
    - Eliminating parking requirements or including maximum allowable parking ratios (i.e., the ratio of parking spaces to residential units or square feet); or
    - Providing residential parking supply at a ratio of <1 parking space per dwelling unit; or
    - For multifamily residential development, requiring parking costs to be unbundled from costs to rent or own a residential unit.
  - At least 20 percent of the units are affordable to lower-income residents;
  - Result in no net loss of existing affordable units.

- Building Decarbonization
    - Use all electric appliances without any natural gas connections and does not use propane or other fossil fuels for space heating, water heating, or indoor cooking (CARB 2022).

If the first approach to demonstrating consistency is not applicable (such as in the case of this school modernization project), the second approach to project-level alignment with state climate goals is to achieve net zero GHG emissions. The third approach to demonstrating project-level alignment with state climate goals is to align with GHG thresholds of significance, which many local air quality management (AQMDs) and air pollution control districts (APCDs) have developed or adopted (CARB 2022).

Senate Bill 375

In 2008, SB 375, the Sustainable Communities and Climate Protection Act, was adopted to connect the GHG emissions reductions targets established in the 2008 Scoping Plan for the transportation sector to local land use decisions that affect travel behavior. Its intent is to reduce GHG emissions from light-duty trucks and automobiles (excludes emissions associated with goods movement) by aligning regional long-range transportation plans, investments, and housing allocations to local land use planning to reduce VMT and vehicle trips. Specifically, SB 375 required CARB to establish GHG emissions reduction targets for each of the 18 metropolitan planning organizations (MPO). The SCAG is the MPO for the Southern California region, which includes the counties of Los Angeles, Orange, San Bernardino, Riverside, Ventura, and Imperial.

Pursuant to the recommendations of the Regional Transportation Advisory Committee, CARB adopted per capita reduction targets for each of the MPOs rather than a total magnitude reduction target. SCAG's targets are an 8 percent per capita reduction from 2005 GHG emission levels by 2020 and a 13 percent per capita reduction from 2005 GHG emission levels by 2035 (CARB 2010). The 2020 targets are smaller than the 2035 targets because a significant portion of the built environment in 2020 is defined by decisions that have already been made. In general, the 2020 scenarios reflect that more time is needed for large land use and transportation infrastructure changes. Most of the reductions in the interim are anticipated to come from improving the efficiency of the region's transportation network. The targets would result in 3 $MMTCO_2e$ of reductions by 2020 and 15 $MMTCO_2e$ of reductions by 2035. Based on these reductions, the passenger vehicle target in CARB's Scoping Plan (for AB 32) would be met (CARB 2010).

2017 Update to the SB 375 Targets

CARB is required to update the targets for the MPOs every eight years. CARB adopted revised SB 375 targets for the MPOs in March 2018. The updated targets became effective in October2018. All SCSs adopted after October 1, 2018, are subject to these new targets. CARB's updated SB 375 targets for the SCAG region were an 8 percent per capita GHG reduction in 2020 from 2005 levels (unchanged from the 2010 target) and a 19 percent per capita GHG reduction in 2035 from 2005 levels (compared to the 2010 target of 13 percent) (CARB 2018).

The targets consider the need to further reduce VMT, as identified in the 2017 Scoping Plan Update (for SB 32), while balancing the need for additional and more flexible revenue sources to incentivize positive planning and action toward sustainable communities. Like the 2010 targets, the updated SB 375 targets are in units of "percent per capita" reductions in GHG emissions from automobiles and light trucks relative to 2005; this excludes reductions anticipated from implementation of state technology and fuels strategies and any potential future state strategies, such as statewide road user pricing. The proposed targets call for greater per-capita GHG emission reductions from SB 375 than are currently in place, which for 2035 translate into proposed targets that either match or exceed the emission reduction levels in the MPOs' currently adopted SCSs to achieve the SB 375 targets. CARB foresees that the additional GHG emissions reductions in 2035 may be achieved from land use changes, transportation investment, and technology strategies (CARB 2018).

SCAG's Regional Transportation Plan / Sustainable Communities Strategy

SB 375 requires each MPO to prepare a sustainable communities strategy in its regional transportation plan (RTP/SCS). For the SCAG region, the 2024-2050 RTP/SCS, Connect SoCal, was adopted on April 4, 2024, and is an update to the 2020-2045 RTP/SCS. In general, the RTP/SCS outlines a development pattern for the region that, when integrated with the transportation network and other transportation measures and policies, would reduce VMT from automobiles and light duty trucks and thereby reduce GHG emissions from these sources.

Connect SoCal focuses on the continued efforts of the previous RTP/SCSs to integrate transportation and land use strategies in development of the SCAG region through the horizon year 2050 (SCAG 2024). Connect SoCal forecasts that the SCAG region will meet its GHG per capita reduction targets of 8 percent by 2020 and 19 percent by 2035. It also forecasts that implementation of the plan will reduce VMT per capita in year 2050 by 6.3 percent compared to baseline conditions for that year. Connect SoCal includes a "Core Vision" that centers on maintaining and better managing the transportation network for moving people and goods, while expanding mobility choices by locating housing, jobs, and transit closer together; and increasing investments in transit and complete streets (SCAG 2024).

Transportation Sector Specific Regulations

Assembly Bill 1493

California vehicle GHG emission standards were enacted under AB 1493 (Pavley I). Pavley I is a clean-car standard that reduces GHG emissions from new passenger vehicles (light-duty auto to medium-duty vehicles) from 2009 through 2016 and is anticipated to reduce GHG emissions from new passenger vehicles by 30 percent in 2016. California implements the Pavley I standards through a waiver granted to California by the EPA. In 2012, the EPA issued a Final Rulemaking that sets even more stringent fuel economy and GHG emissions standards for model years 2017 through 2025 light-duty vehicles. (See also the discussion on the update to the Corporate Average Fuel Economy standards at the beginning of this Section 5.5.2 under "Federal.") In January 2012, CARB approved the Advanced Clean Cars program (formerly known as Pavley II) for model years 2017 through 2025. The program combines the control of smog, soot, and GHGs with requirements for greater numbers of ZE vehicles into a single package of standards. Under California's Advanced Clean Car program, by 2025 new automobiles will emit 34 percent less GHG emissions and 75 percent less smog-forming emissions.

Executive Order S-01-07

On January 18, 2007, the state set a new LCFS for transportation fuels sold in the state. Executive Order S-01-07 sets a declining standard for GHG emissions measured in CO_2e gram per unit of fuel energy sold in California. The LCFS required a reduction of 2.5 percent in the carbon intensity of California's transportation fuels by 2015 and a reduction of at least 10 percent by 2020. The standard applies to refiners, blenders, producers, and importers of transportation fuels, and uses market-based mechanisms to allow these providers to choose how they reduce emissions during the "fuel cycle" using the most economically feasible methods.

Executive Order B-16-2012

On March 23, 2012, the state identified that CARB, the California Energy Commission (CEC), the Public Utilities Commission, and other relevant agencies worked with the Plug-in Electric Vehicle Collaborative and the California Fuel Cell Partnership to establish benchmarks to accommodate ZE vehicles in major metropolitan areas, including infrastructure to support them (e.g., electric vehicle charging stations). The executive order also directed the number of ZE vehicles in California's state vehicle fleet to increase through the normal course of fleet replacement so that at least 10 percent of fleet purchases of light-duty vehicles are ZE by 2015 and at least 25 percent by 2020. The executive order also establishes a target for the transportation sector of reducing GHG emissions to 80 percent below 1990 levels.

Executive Order N-79-20

On September 23, 2020, Governor Newsom signed Executive Order N-79-20, whose goal is that 100 percent of in-state sales of new passenger cars and trucks will be ZE by 2035. Additionally, the fleet goals for trucks are that 100 percent of drayage trucks are ZE by 2035, and 100 percent of medium- and heavy-duty vehicles in the state are ZE by 2045, where feasible. The Executive Order's goal for the State is to transition to 100 percent ZE off-road vehicles and equipment by 2035, where feasible.

Renewables Portfolio: Carbon Neutrality Regulations

Senate Bills 1078, 107, and X1-2 and Executive Order S-14-08

A major component of California's Renewable Energy Program is the renewables portfolio standard established under Senate Bills 1078 (Sher) and 107 (Simitian). Under the RPS, certain retail sellers of electricity were required to increase the amount of renewable energy each year by at least 1 percent in order to reach at least 20 percent by December 30, 2010. Executive Order S-14-08, signed in November 2008, expanded the state's renewable energy standard to 33 percent renewable power by 2020. This standard was adopted by the legislature in 2011 (SB X1-2). Renewable sources of electricity include wind, small hydropower, solar, geothermal, biomass, and biogas. The increase in renewable sources for electricity production will decrease indirect GHG emissions from development projects because electricity production from renewable sources is generally considered carbon neutral.

Senate Bill 350

Senate Bill 350 (de Leon) was signed into law September 2015 and establishes tiered increases to the RPS—40 percent by 2024, 45 percent by 2027, and 50 percent by 2030. SB 350 also set a new goal to double the energy-efficiency savings in electricity and natural gas through energy efficiency and conservation measures.

Senate Bill 100

On September 10, 2018, Governor Brown signed SB 100. Under SB 100, the RPS for public-owned facilities and retail sellers consist of 44 percent renewable energy by 2024, 52 percent by 2027, and 60 percent by 2030. SB 100 also established a new RPS requirement of 50 percent by 2026. Furthermore, the bill establishes an overall state policy that eligible renewable energy resources and zero-carbon resources supply 100 percent of all retail sales of electricity to California end-use customers and 100 percent of electricity procured to serve all state agencies by December 31, 2045. Under the bill, the state cannot increase carbon emissions elsewhere in the western grid or allow resource shuffling to achieve the 100 percent carbon-free electricity target.

Energy Efficiency Regulations

California Building Energy Code: Energy Efficiency Standards

Energy conservation standards for new residential and non-residential buildings were adopted by the California Energy Resources Conservation and Development Commission (now the CEC) in June 1977 and most recently revised in 2024 (California Code of Regulations [CCR] Title 24, Part 6). Title 24 Part 6 requires the design of building shells and building components to conserve energy. The standards are updated periodically to allow for consideration and possible incorporation of new energy efficiency technologies and methods.

In 2024, the CEC adopted the 2025 Building Energy Efficiency Standards, which were subsequently approved by the California Building Standards Commission. The 2025 standards become effective and replace the existing 2022 standards on January 1, 2026. The 2025 standards would require mixed-fuel single-family homes to be electric-ready to accommodate replacement of gas appliances with electric appliances. In addition, the new standards also include prescriptive photovoltaic system and battery requirements for high-rise, multifamily buildings (i.e., more than three stories) and noncommercial buildings such as hotels, offices, medical offices, restaurants, retail stores, schools, warehouses, theaters, and convention centers.[14] The Building Energy and Efficiency Standards and CALGreen undergo a triennial update with a goal to achieve zero net energy for new buildings by 2030.

California Building Code: Green Building Standards (CALGreen)

On July 17, 2008, the California Building Standards Commission adopted the nation's first green building standards. The California Green Building Standards Code (24 CCR, Part 11, known as "CALGreen") was adopted as part of the California Building Standards Code. CALGreen established planning and design standards for sustainable site development, energy efficiency (in excess of the California Energy Code requirements), water conservation, material conservation, and internal air contaminants.[15] The mandatory provisions of CALGreen became effective January 1, 2011, and were most recently updated in 2024 (2025 CALGreen update). The 2025 CALGreen update becomes effective on January 1, 2026, and provides updates to the residential and non-residential voluntary measures.

2006 Appliance Efficiency Regulations

The 2006 Appliance Efficiency Regulations (20 CCR §§ 1601–1608) were adopted by the CEC on October 11, 2006, and approved by the California Office of Administrative Law on December 14, 2006. The regulations include standards for both federally regulated appliances and non–

[14] California Energy Commission, 2021, Amendments to the Building Energy Efficiency Standards (2022 Energy Code) Draft Environmental Report. CEC-400-2021-077-D.

[15] The green building standards became mandatory in the 2010 edition of the code.

federally regulated appliances. Though these regulations are now often viewed as "business as usual," they exceed the standards imposed by all other states, and they reduce GHG emissions by reducing energy demand.

Solid Waste Diversion Regulations

AB 939: Integrated Waste Management Act of 1989

California's Integrated Waste Management Act of 1989 (AB 939, Public Resources Code §§ 40050 et seq.) set a requirement for cities and counties throughout the state to divert 50 percent of all solid waste from landfills by January 1, 2000, through source reduction, recycling, and composting. In 2008, the requirements were modified to reflect a per capita requirement rather than tonnage. To help achieve this, the act requires that each city and county prepare and submit a source reduction and recycling element. AB 939 also established the goal for all California counties to provide at least 15 years of ongoing landfill capacity.

AB 341

AB 341 (Chapter 476, Statutes of 2011) increased the statewide goal for waste diversion to 75 percent by 2020 and requires recycling of waste from commercial and multifamily residential land uses. Section 5.408 of CALGreen also requires that at least 65 percent of the nonhazardous construction and demolition waste from nonresidential construction operations be recycled and/or salvaged for reuse.

AB 1327

The California Solid Waste Reuse and Recycling Access Act (AB 1327, Public Resources Code §§ 42900 et seq.) requires areas to be set aside for collecting and loading recyclable materials in development projects. The act required the California Integrated Waste Management Board to develop a model ordinance for adoption by any local agency requiring adequate areas for collection and loading of recyclable materials as part of development projects. Local agencies are required to adopt the model or an ordinance of their own.

AB 1826

In October of 2014, Governor Brown signed AB 1826 requiring businesses to recycle their organic waste on and after April 1, 2016, depending on the amount of waste they generate per week. This law also requires that on and after January 1, 2016, local jurisdictions across the state implement an organic waste recycling program to divert organic waste generated by businesses and multifamily residential dwellings with five or more units. Organic waste means food waste, green waste, landscape and pruning waste, nonhazardous wood waste, and food-soiled paper waste that is mixed with food waste.

Water Efficiency Regulations

SBX7-7

The 20x2020 Water Conservation Plan was issued by the Department of Water Resources (DWR) in 2010 pursuant to Senate Bill 7, which was adopted during the 7th Extraordinary Session of 2009–2010 and therefore dubbed "SBX7-7." SBX7-7 mandated urban water conservation and authorized the DWR to prepare a plan implementing urban water conservation requirements (20x2020 Water Conservation Plan). In addition, it required agricultural water providers to prepare agricultural water management plans, measure water deliveries to customers, and implement other efficiency measures. SBX7-7 required urban water providers to adopt a water conservation target of 20 percent reduction in urban per capita water use by 2020 compared to 2005 baseline use.

AB 1881: Water Conservation in Landscaping Act

The Water Conservation in Landscaping Act of 2006 (AB 1881) requires local agencies to adopt the updated DWR model ordinance or an equivalent. AB 1881 also requires the CEC to consult with the DWR to adopt, by regulation, performance standards and labeling requirements for landscape irrigation equipment, including irrigation controllers, moisture sensors, emission devices, and valves to reduce the wasteful, uneconomic, inefficient, or unnecessary consumption of energy or water.

Short-Lived Climate Pollutant Reduction Strategy

Senate Bill 1383

On September 19, 2016, the Governor signed SB 1383 to supplement the GHG reduction strategies in the Scoping Plan to consider short-lived climate pollutants, including black carbon and CH_4. Black carbon is the light-absorbing component of fine particulate matter produced during the incomplete combustion of fuels. SB 1383 required the state board, no later than January 1, 2018, to approve and begin implementing a comprehensive strategy to reduce emissions of short-lived climate pollutants to achieve a reduction in methane by 40 percent, hydrofluorocarbon gases by 40 percent, and anthropogenic black carbon by 50 percent below 2013 levels by 2030. The bill also established targets for reducing organic waste in landfills. On March 14, 2017, CARB adopted the Short-Lived Climate Pollutant Reduction Strategy, which identifies the state's approach to reducing anthropogenic and biogenic sources of short-lived climate pollutants. Anthropogenic sources of black carbon include on- and off-road transportation, residential wood burning, fuel combustion (charbroiling), and industrial processes. According to CARB, ambient levels of black carbon in California are 90 percent lower than in the early 1960s, despite the tripling of diesel fuel use (CARB 2017). In-use on-road rules were expected to reduce black carbon emissions from on-road sources by 80 percent between 2000 and 2020. South Coast AQMD is one of the air districts that requires air pollution control

technologies for chain-driven broilers, which reduces particulate emissions from these charbroilers by over 80 percent (CARB 2017). Additionally, South Coast AQMD Rule 445 limits installation of new fireplaces in the South Coast Air Basin.

CALIFORNIA'S GREENHOUSE GAS SOURCES AND RELATIVE CONTRIBUTION

In 2024, the statewide GHG emissions inventory was updated for 2000 to 2022 emissions using the GWPs in IPCC's AR4 and reported that California produced 371.1 $MMTCO_2e$ GHG emissions in 2022 (2.4 percent lower than 2021 levels). The 2022 emissions data shows that California is continuing its established long-term trend of GHG emissions declines, despite the anomalous emissions trends from 2019 through 2021, due in large part to the impacts of the COVID-19 pandemic. In 2014, statewide GHG emissions dropped below the 2020 GHG Limit (AB 32 target for year 2020) and have remained below the Limit since that time. Additionally, the carbon intensity of California's economy (the amount of carbon pollution per million dollars of gross state product (GSP)) is declining (CARB 2024b).

California's transportation sector was the single-largest generator of GHG emissions, producing 37.7 percent of the state's total emissions. Industrial sector emissions made up 19.6 percent, and electric power generation made up 16.1 percent of the state's emissions inventory. Other major sectors of GHG emissions include residential and commercial (10.6 percent), agriculture and forestry (8.0 percent), high GWP (5.7 percent), and recycling and waste (2.2 percent).

Emissions from transportation sector decreased compared to 2021, primarily due to a greater share of fuels used for on-road transportation being produced from non-fossil resources. Industrial sector decreases from 2021 to 2022, most notably in the oil and gas production sector. Electricity emissions also decreased compared to 2021 from the continued growth of in-state solar generation and increases to in-state hydropower and imported wind power. High-GWP gases continue to replace ozone-depleting substances (ODS) being phased out under the 1987 Montreal Protocol and emissions from this sector have been stable from 2020 to 2022 (CARB 2024b).

1.2.2 Thresholds of Significance

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

1. The extent to which the project may increase (or reduce) GHG emissions as compared to the existing environmental setting;
2. Whether the project emissions exceed a threshold of significance that the lead agency determines applies to the project;

3. The extent to which the project complies with regulations or requirements adopted to implement an adopted statewide, regional, or local plan for the reduction or mitigation of GHG emissions.[16]

SOUTH COAST AQMD WORKING GROUP

To provide guidance to local lead agencies on determining significance for GHG emissions in their CEQA documents, South Coast AQMD convened a GHG CEQA Significance Threshold Working Group (Working Group). The South Coast AQMD Working Group (Meeting No. 15) identified a tiered approach for evaluating GHG emissions for development projects where South Coast AQMD is not the lead agency (South Coast AQMD 2010):

- **Tier 1.** If a project is exempt from CEQA, project-level and cumulative GHG emissions are less than significant.
- **Tier 2.** If the project complies with a GHG emissions reduction plan or mitigation program that avoids or substantially reduces GHG emissions in the project's geographic area (i.e., city or county), project-level and cumulative GHG emissions are less than significant.
- **Tier 3.** If GHG emissions are less than the screening-level threshold, project-level and cumulative GHG emissions are less than significant.

  For projects that are not exempt or where no qualifying GHG reduction plans are directly applicable, South Coast AQMD requires an assessment of GHG emissions. The South Coast AQMD Working Group identified a screening-level threshold of 3,000 $MTCO_2e$ annually for all land use types or the following land-use-specific thresholds: 1,400 $MTCO_2e$ for commercial projects, 3,500 $MTCO_2e$ for residential projects, or 3,000 $MTCO_2e$ for mixed-use projects. These bright-line thresholds are based on a review of the Governor's Office of Planning and Research database of CEQA projects. Based on their review of 711 CEQA projects, 90 percent of CEQA projects would exceed the bright-line thresholds identified above. Therefore, projects that do not exceed the bright-line threshold would have a nominal, and therefore, less than cumulatively considerable impact on GHG emissions:
- **Tier 4.** If emissions exceed the screening threshold, a more detailed review of the project's GHG emissions is warranted.

  The South Coast AQMD Working Group has identified an efficiency target for projects that exceed the screening threshold of 4.8 $MTCO_2e$ per year per service population ($MTCO_2e$/year/SP) for project-level analyses and 6.6 $MTCO_2e$/year/SP for plan level projects

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

(e.g., program-level projects such as general plans) for the year 2020.[17] The per capita efficiency targets are based on the AB 32 GHG reduction target and 2020 GHG emissions inventory prepared for CARB's 2008 Scoping Plan.

The bright-line screening-level criterion of 3,000 $MTCO_2e$/yr is used as the significance threshold for this project. Therefore, if the project operation-phase emissions exceed the 3,000 $MTCO_2e$/yr threshold, GHG emissions would be considered potentially significant in the absence of mitigation measures.

[17] It should be noted that the Working Group also considered efficiency targets for 2035 for the first time in this Working Group meeting.

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CalEEMod Inputs- Troy High School Seismic and Field Improvements Project, Construction

Name:	Troy High School Seismic and Field Improvements Project
Project Number:	FHS-08, 01
Project Location:	2200 Dorothy Ln, Fullerton, CA 92831
County:	Orange
Climate Zone:	7
Land Use Setting:	Urban
Gas Utility Company:	Southern California Gas
Electric Utility Company:	Southern California Edison
Air Basin:	South Coast Air Basin
Air District:	South Coast AQMD
SRA:	16 - North Orange County

Project Site Acreage	23.16
Disturbed Site Acreage for Building Retrofitting	2.74
Disturbed Site Acreage for Field Improvements	4.69

Seismic Upgrades/Modernization[1]	Footprint SQFT	Acres	Stories	Tons of Debris[2]
Building 100	21,568	0.50	1	496
Building 200	9,768	0.22	1	225
Building 300	43,307	0.99	1	996
Building 400	9,398	0.22	1	216
Building 500	35,292	0.81	1	812
Total	**119,333**	**2.74**		**2,745**

Notes:

[1] The seismic upgrades and modernization phase will involve internal and external improvements to existing school buildings. For the purposes of this model, these upgrades are modeled as new building construction and are assumed to require debris hauling. Limited ground disturbance would occur since improvements are limited to work on and in the buildings. Since these are existing buildings that will continue to operate similar to existing conditions, operational emissions for this work are not modeled.

[2] The demolition amount in this model is conservatively based on half of the square footage of the retrofitted buildings. The scope of demolition activities for the modernatizations would be limited to interior and exterior finishings and utilities. Demolition debris is assumed to be hauled offsite throughout the seismic upgrade/modernization construction activity.

Interim Buildings Onsite During Construction[1]	Size Metric
Number of interim buildings	36
Total square footage of interim buildings	34,560

Notes:

[1] Interim classroom buildings will house students at the Troy HS campus during the seismic upgrades/modernatization phase of the project. These buildings will be removed from the campus once the seismic upgrades/modernization phase is complete. Equipment involved with the installation of these structures is modeled with the seismic upgrades/modernization phase.

Field Improvements	Gross SQFT	Footprint SQFT	Acres	Stories
Buildings				
Field Building	3,365	2,512	0.06	1
Landscaping				
Turf Field (Synthetic Grass)	87,654	87,654	2.01	NA
Golf Putting Green (Synthetic Grass)	5,042	1,150	0.03	NA
Landscaping	6,684	6,684	0.15	NA
Hardscape				
Rubberized Track Surface	61,646	61,646	1.42	NA
Non-Parking Asphalt Pavement	23,856	23,856	0.55	NA
Concrete Hardscape	17,586	17,586	0.40	NA
Total	**205,833**	**201,088**	**4.62**	

Field Lighting	Size Metric	Acres
Number of Light Poles[1]	19	NA
Area disturbed per light pole (SF)[2]	180	0.00
Total Disturbance	**3,420**	**0.08**

Notes:

[1] Accounts for eight lights at the varsity baseball field, three lights at the varsity softball field, two lights at the soccer field, and six lights at the track field.

[2] Based on applicant-provided information.

CalEEMod Land Use Inputs

Land Use Type	Land Use Subtype	Unit Amount	Size Metric	Lot Acreage	Square Feet	Area
Educational	High School	119.33	1000 SQFT	2.74	119,333	NA

CalEEMod Land Use Inputs

Land Use Type	Land Use Subtype	Unit Amount	Size Metric	Lot Acreage	Land Use Square Feet	Landscaped SQFT	Special Landscaped SQFT[1]
Educational	High School	3.365	1000 SQFT	2.250	3,365	6,684	92,696
Parking[2]	Other Non-Asphalt Surface	3.42	1000 SQFT	0.08	3,420		
Parking	Other Non-Asphalt Surface	79.23	1000 SQFT	1.82	79,232		
Parking	Other Asphalt Surfaces	23.86	1000 SQFT	0.55	23,856		
				4.69			

Notes:

[1] Accounts for synthetic turf surfaces.

[2] Accounts for field lighting installation.

Demolition (Seismic Upgrades/Modernization Improvements)

Component	Tons Demolished[1]	Haul Truck Capacity (Tons)[2]	Haul Distance (miles)[2]	Total Trip Ends	Duration (days)	Trip Ends Per Day
BLDG 300 Building Material (Tons)	996	20	20	100	22	5
BLDGs 100, 200, 400, and 500 Building Material (Tons)	1,749	20	20	175	349	1

Demolition (Field Improvements)

Component	Amount to be Demolished	Haul Truck Capacity (Tons)[2]	Haul Distance (miles)[2]	Total Trip Ends	Duration (days)	Trip Ends Per Day
Existing Concrete Asphalt (Tons)	261	20	20	27	16	2

Soil Haul (Field Improvements)

Construction Activities	Volume (CY)[3]	Haul Truck Capacity (CY)[2]	Haul Distance (miles)[2]	Total Trip Ends	Duration (days)	Trip Ends per Day
Soil Export (Site Preparation)	600	16	20	75	4	19
Soil Export (Grading)	6,500	16	20	813	6	136

Notes:

[1] Based on the sizes of the buildings being retrofitted.

[2] CalEEMod default used.

[3] Based on quantities provided by applicant.

Architectural Coating

	Percent Painted
Interior Painted:	100%
Exterior Painted:	100%

South Coast AQMD Rule 1113

Interior Paint VOC content:	50	grams per liter
Exterior Paint VOC content:	50	grams per liter
Parking Paint VOC content:	100	grams per liter

Seismic Upgrades/Modernization Improvements	Land Use Square Feet	CalEEMod Factor[2]	Total Paintable Surface Area[3]	Paintable Interior Area[1]	Paintable Exterior Area[1]
Non-Residential Structures					
Building Retrofits	119,333	2.0	238,666	179,000	59,667
				179,000	**59,667**

Field Improvements	Land Use Square Feet	CalEEMod Factor[2]	Total Paintable Surface Area[3]	Paintable Interior Area[1]	Paintable Exterior Area[1]
Non-Residential Structures					
Field Building	3,365	2.0	6,730	5,048	1,683
				5,048	**1,683**
Parking					
Asphalt	23,856	6%	1,431	-	1,431
					1,431

Notes:

[1] CalEEMod methodology calculates the paintable interior and exterior areas by multiplying the total paintable surface area by 75 and 25 percent, respectively.

[2] CalEEMod assumes the total surface for painting equals 2 times the floor square footage for nonresidential square footage defined by user.

[3] Assumes that all parking and non-parking asphalt will be striped. CalEEMod methodology assumes 6% of surface area is striped.

Fugitive Dust Rule Compliance

SCAQMD Rule 403

Water Unpaved Roads	Frequency:	2	per day
	PM10:	55	% Reduction
	PM25:	55	% Reduction
Water Exposed Area	Frequency:	2	per day
	PM10:	61	% Reduction
	PM25:	61	% Reduction
Unpaved Roads	Vehicle Speed:	25	mph

SCAQMD Rule 1186

	Clean Paved Road	9	% PM Reduction

Mitigation Measure AIR-1

Water Exposed Area	Frequency:	**3**	per day
	PM10:	**74**	% Reduction
	PM25:	**74**	% Reduction

Pavement Volume to Weight Conversion

Component	Total SF of Area[1]	Assumed Thickness (foot)[2]	Debris Volume (cu. ft)	Weight of Crushed Asphalt (lbs/cf)[3]	AC Mass (lbs)	AC Mass (tons)
Asphalt Demolition	17,586	0.333	5,862	89	521,067	260.53
Total	17,586					261

[1] Based on infromation provided by the District

[2] Gibbons, Jim. 1999. Pavements and Surface Materials. Nonpoint Education for Municipal Officials, Technical Paper Number 8. University of Connecticut Cooperative Extension System. https://www.uni-groupusa.org/PDF/NEMO_tech_8.pdf

[3] CalRecycle. 2019. Solid Waste Cleanup Program Weights and Volumes for Project Estimates. https://www.delmar.ca.us/DocumentCenter/View/5668/CalRecycle-Conversion-Table

Building Demolition Haul Trip Calculation: Seismic Improvements

Source: CalEEMod User's Guide Version 2022, Appendix C

Conversion factors

0.046	ton/SF	Building Debris
2.0	CY/ton	Building Debris
1.2641662	tons/cy	Soil
20	tons	Truck Capacity in tons
16	CY	Truck Capacity in CY
0.8	CY/ton	Soil

Building	BSF Demo[1]	Tons/SF	Tons	CY of Building Materials	Haul Truck (CY)	Haul Truck (Ton)	Round Trips	Total Trip Ends
Building Demolition	59,667	0.046	2,745	5,489	16	20	344	688

Notes

[1] Based on half the square footage of the buildings undergoing seismic retrofits/modernizations.

Construction Activities and Schedule Assumptions

District-Provided Schedule				
Phase	**Timeframe Provided**	**Assumed Work Duration**		**Workdays**
Seis/Mod Phase 1 (BLDG 300)	August 2026 to September 2026	8/1/2026	9/1/2026	22
Seis/Mod Phase 2 (BLDGs 400 & 500)	April 2027 to December 2027	4/1/2027	12/1/2027	175
Seis/Mod Phase 3 (BLGs 200 & 100)	December 2027 to August 2028	12/1/2027	8/1/2028	175
TOTAL				**372**
Field Improvements	April 2026 to September 2026	4/1/2026	9/1/2026	110

* based on schedule provided by District

CalEEMod Default Construction Schedule (Siesmic/Modernization Improvements)				
Construction Activities	**Phase Type**	**Start Date**	**End Date**	**CalEEMod Duration (Workday)**
Demolition	Demolition	8/3/2026	8/31/2026	21
Site Preparation	Site Preparation	9/1/2026	9/5/2026	1
Grading	Grading	9/6/2026	9/14/2026	6
Building Construction	Building Construction	9/15/2026	7/20/2027	221
Paving	Paving	7/21/2027	8/4/2027	11
Architectural Coating	Architectural Coating	8/5/2027	8/19/2027	11
			Total Days	**381**

Notes:

[1] Conservatively assume building construction, paving, and architectural coating phases overlap.

Revised Construction Schedule (Siesmic Upgrades/Modernization Improvements)				
Construction Activities	**Phase Type**	**Start Date**	**End Date**	**CalEEMod Duration (Workday)**
Installation of Interim Buildings[1]	Building Construction	8/3/2026	8/5/2026	3
Seismic Upgrades/Modernization (Phase 1)[2]	Building Construction	8/6/2026	9/5/2026	22
Architectural Coating (Phase 1)[3]	Architectural Coating	8/21/2026	9/5/2026	11
Seismic Upgrades/Modernization (Phases 2 and 3)[2]	Building Construction	4/1/2027	8/1/2028	349
Architectural Coating (Phases 2 and 3)[3]	Architectural Coating	7/18/2028	8/1/2028	11
Removal of Interim Buildings[1]	Building Construction	8/2/2028	8/5/2028	3
			Total Days	**377**

Notes:

[1] Installation and removal of interim buildings on the campus is assumed to occur at the beginning and end of the seismic/modernization construction period over 3 days with use of a crane.

[2] This activity accounts for demolition activities associated with the seismic upgrades/modernization phase of the project (see equipment mix pages). Debris hauling is assumed to occur throughout these phases.

[3] The duration for architectural coating uses the 11-day CalEEMod default and would occur concurrently with the seismic upgrade/modernization construction activities.

CalEEMod Default Construction Schedule (Field Improvements)				
Construction Activities	**Phase Type**	**Start Date**	**End Date**	**CalEEMod Duration (Workday)**
Demolition	Demolition	4/1/2026	4/29/2026	21
Site Preparation	Site Preparation	4/30/2026	5/7/2026	6
Grading	Grading	5/8/2026	5/19/2026	8
Building Construction	Building Construction	5/20/2026	4/7/2027	231
Paving	Paving	4/8/2027	5/3/2027	18
Architectural Coating	Architectural Coating	5/4/2027	5/29/2027	19
			Total Days	**423**

Normalization Calculations				
CalEEMod Defaults Construction Duration			**Assumed Construction Duration**	
423	days of construction		4/1/2026	9/1/2026
1.16	years of construction		153	days
13.91	months of construction		5.03	months
		Norm Factor:	0.36	

Revised Construction Schedule (Field Improvements)				
Construction Activities	**Phase Type**	**Start Date**	**End Date**	**CalEEMod Duration (Workday)**
Demolition	Demolition	4/1/2026	4/22/2026	16
Site Preparation	Site Preparation	4/23/2026	4/28/2026	4
Grading	Grading	4/29/2026	5/6/2026	6
Field Improvements Construction	Building Construction	5/7/2026	9/1/2026	84
Paving	Paving	8/13/2026	9/1/2026	14
Architectural Coating	Architectural Coating	8/13/2026	9/1/2026	14
			Total Days	**138**

Notes:

[1] Architectural coating and paving activities conservatively assumed to overlap with building construction activities.

Combined Construction Schedule with Overlaps				
Construction Activities	**Phase Type**	**Start Date**	**End Date**	**CalEEMod Duration (Workday)**
Demolition	Demolition	4/1/2026	4/22/2026	16
Site Preparation	Site Preparation	4/23/2026	4/28/2026	4
Grading	Grading	4/29/2026	5/6/2026	6
Field Improvements Construction	Building Construction	5/7/2026	9/1/2026	84
Installation of Interim Buildings & Field Improvements Construction Overlap	Overlap	8/3/2026	8/5/2026	3
Installation of Interim Buildings	Building Construction	8/3/2026	8/5/2026	
Seismic Upgrades/Modernization (Phase 1)	Building Construction	8/6/2026	9/5/2026	22
Seismic Upgrades/Modernization Construction and Architectural Coating (Phase 1) & Field Building Construction, Paving, and Architectural Coating Overlap	Overlap	8/13/2026	9/1/2026	14
Paving	Paving	8/13/2026	9/1/2026	14
Architectural Coating	Architectural Coating	8/13/2026	9/1/2026	14
Architectural Coating (Phase 1)	Architectural Coating	8/21/2026	9/5/2026	11
Seismic Upgrades/Modernization (Phases 2 and 3)	Building Construction	4/1/2027	8/1/2028	349
Architectural Coating (Phases 2 and 3)	Architectural Coating	7/18/2028	8/1/2028	11
Seismic Upgrades/Modernization Construction and Architectural Coating (Phases 2 and 3) Overlap	Overlap	7/18/2028	8/1/2028	11
Removal of Interim Buildings	Building Construction	8/2/2028	8/5/2028	3

CalEEMod Construction Off-Road Equipment Inputs: Seismic Upgrades/Modernization

Source: CalEEMod defualts (except where noted).

Construction Equipment Details			
Provided Equipment	**# of Equipment**	**hr/day**	**total trips per day**
Interim Building Installation[1]			
Crane	1	8	
Worker Trips			50
Vendor Trips			144
Hauling Trips			24
Building Construction (Phase 1, Phases 2-3)[2]			
Skip Loader	1	8	
Excavator	1	8	
Cranes	1	6	
Forklifts	2	7	
Welders	2	8	
Worker Trips			50
Vendor Trips			20
Hauling Trips			5
Architectural Coating (Phase 1, Phases 2-3)[3]			
Air Compressors	1	6	
Worker Trips			40
Vendor Trips			2
Hauling Trips			0
Interim Building Removal[1]			
Crane	1	8	
Worker Trips			50
Vendor Trips			144
Hauling Trips			24

Notes:

[1] Installation and removal of interim buildings on the campus is assumed to occur at the beginning and end of the seismic/modernization construction period over 3 days with use of a crane. 2 haul trucks per portable are assumed to be needed.

[2] Equipment used in this activity accounts for limited demolition as part of the retrofits/modernizations. No demolition of structural building components would occur and work would primarily be confined to building interior and exteriors and utility connections.

[3] Air compressors needed for architectural coating are assumed to use existing building electricity and not need deisel fuel.

CalEEMod Construction Off-Road Equipment Inputs: Field Improvements

Source: CalEEMod defualts (except where noted).

Construction Equipment Details			
Provided Equipment	**# of Equipment**	**hr/day**	**total trips per day**
Asphalt Demolition			
Concrete/Industrial Saws	1	8	
Excavator	3	8	
Rubber Tired Dozers	2	8	
Worker Trips			15
Vendor Trips			2
Hauling Trips			2
Water Trucks	Acres Disturbed:	1	6
	Onsite Travel (mi/day)	0.83	
Modified Vendor Trips			8
Site Preparation			
Tractors/Loaders/Backhoes	4	8	
Rubber Tired Dozers	3	8	
Worker Trips			18
Vendor Trips			1
Hauling Trips			19
Water Trucks (added to Vendor Trips)	Acres Disturbed:	3.5	18
	Onsite Travel (mi/day)	2.89	
Modified Vendor Trips			19
Grading			
Excavators	1	8	
Graders	1	8	
Tractors/Loaders/Backhoes	1	8	
Rubber Tired Dozers	3	8	
Worker Trips			15
Vendor Trips			3
Hauling Trips			136
Water Trucks (added to Vendor Trips)	Acres Disturbed:	2.5	14
	Onsite Travel (mi/day)	2.06	
Modified Vendor Trips			17

Building Construction				
	Cranes	1	7	
	Forklifts	3	8	
	Generator Sets	1	8	
	Tractors/Loaders/Backhoes	3	7	
	Welders	1	8	
	Worker Trips			1
	Vendor Trips			1
	Hauling Trips			0
Paving				
	Cement and Mortar Mixers	2	6	
	Pavers	1	8	
	Paving Equipment	2	6	
	Rollers	2	6	
	Tractors/Loaders/Backhoes	1	8	
	Worker Trips			20
	Vendor Trips			2
	Hauling Trips			0
Architectural Coating				
	Air Compressors	1	6	
	Worker Trips			1
	Vendor Trips			0
	Hauling Trips			0

Water Truck Vendor Trip Calculation

Amount of Water (gal/acre/day)[1]	Water Truck Capacity (gallons)[2]
10,000	4,000

Notes:

[1] Based on data provided in Guidance for Application for Dust Control Permit

Maricopa County Air Quality Department. 2005, June. Guidance for Application of Dust Control Permit. https://www.epa.gov/sites/default/files/2019-04/documents/mr_guidanceforapplicationfordustcontrolpermit.pdf)

[2] Based on standard water truck capacity:

McLellan Industries. 2025, January (access). Water Trucks. https://www.mclellanindustries.com/trucks/water-trucks/

[3] Assumes that dozers, tractors/loaders/backhoes, and graders can disturb 0.50 acres per day and scrapers can disturb 1 acre per day.

CalEEMod Inputs- Troy High School Seismic and Field Improvements Project, Operation

Name:	Troy High School Seismic and Field Improvements Project
Project Number:	FHS-08, 01
Project Location:	2200 Dorothy Ln, Fullerton, CA 92831
County:	Orange
Climate Zone:	7
Land Use Setting:	Urban
Gas Utility Company:	Southern California Gas
Electric Utility Company:	Southern California Edison
Air Basin:	South Coast Air Basin
Air District:	South Coast AQMD
SRA:	16 - North Orange County

Project Site Acreage	23.16
Disturbed Site Acreage for Field Improvements	4.69

CalEEMod Land Use Inputs (Field Improvements Only)

Land Use Type	Land Use Subtype	Unit Amount	Size Metric	Lot Acreage	Land Use Square Feet	Landscaped Area	Special Landscaped SQFT
Educational	High School	3.4	1000 SQFT	2.25	3,365	6,684	92,696
Parking	Other Non-Asphalt Surface	3.4	1000 SQFT	0.08	3,420		
Parking	Other Non-Asphalt Surface	79.2	1000 SQFT	1.82	79,232		
Parking	Other Asphalt Surfaces	23.9	1000 SQFT	0.55	23,856		
				4.69			

Mobile Emissions: The proposed project would not generate new trips.

Water Use (CalEEMod default)[1]

	Indoor (gals/year)	Outdoor (gals/year)	Total
High School	111,734	1,554,974	1,666,708

Notes

[1] Assumes 100% aerobic treatment.

Solid Waste (CalEEMod default)

Land Use	Total Solid Waste (tons/year)
High School	4.37

Electricity (Buildings)

Default CalEEMod Energy Use

Land Use Subtype	Total Annual Electricity Consumption (kWh/year)	Total Annual Natural Gas Consumption (kBTU/year)	Title-24 Electricity Energy Intensity (kWhr/size/year)*	Title-24 Natural Gas Energy Intensity (KBTU/size/year)*	Nontitle-24 Electricity Energy Intensity (kWhr/size/year)	Nontitle-24 Natural Gas Energy Intensity (KBTU/size/year)
High School	21,045.87	70,597.33	**18,193.95**	**35,909.68**	2,851.92	34,687.65

Converting Natural Gas Consumption to Electricity Consumption for All-Electric Buildings

Land Use Subtype	Title-24 Natural Gas Energy Intensity (KBTU/size/year)	Converted Title-24 Energy Intensity (kWh/size/year)*	Nontitle-24 Natural Gas Energy Intensity (KBTU/size/year)	Converted Nontitle-24 Energy Intensity (kWh/size/year)*
High School	35,909.68	10.52	**34,687.65**	**10.17**

*Assumes 3,412 BTU per kWh.

Source: EIA. 2024 (last updated). Units and calculators explained British thermal units (Btu). https://www.eia.gov/energyexplained/units-and-calculators/british-thermal-units.php.

Adjusted CalEEMod Energy Use

Land Use Subtype	Total Annual Electricity Consumption (kWh/year)	Total Annual Natural Gas Consumption (kBTU/year)	Title-24 Electricity Energy Intensity (kWhr/size/year)*	Title-24 Natural Gas Energy Intensity (KBTU/size/year)*	Nontitle-24 Electricity Energy Intensity (kWhr/size/year)	Nontitle-24 Natural Gas Energy Intensity (KBTU/size/year)
High School	21,066.56	0.00	**18,204.47**	**0.00**	2,862.09	0.00

Lighting (Electricity Use)

	Total kW[1]	Events/Year[2]	Hours[3]	Kwh (Annual)
Practices/Games	151.91	62	5.50	51,801
			Total Annual kWh	**51,801**

Calculation of GHGs from Field Lighting

CO_2 [4]	CH_4 [4]	N_2O [4]	CO_2e	CO_2e
lbs/Mwh	lbs/Mwh	lbs/Mwh	lbs/Mwh	MT/Kwh
346.20	0.033	0.004	348.21	0.0002

CO_2e from Lighting (MT/Year)	**8.18**

Notes

[1] Based on the total light load for the proposed lighting as provided by the District in the Musco Lighting Plan.

[2] Based on the number of events that would change to a different time under proposed conditions.

[3] Assumes lighting will be used from 4:30 PM to 8:00 PM

Architectural Coating (see Construction Inputs page)

Southern California Edison Carbon Intensity Factors[1]

Forecasted Year	2026	
CO_2:	346.20	pounds per megawatt hour
CH_4:	0.033	pound per megawatt hour
N_2O:	0.004	pound per megawatt hour

Notes:

[1] CalEEMod default values.

Troy High School Improvements Project- Seismic Retrofits Custom Report

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1. Basic Project Information

1.1. Basic Project Information

Data Field	Value
Project Name	Troy High School Improvements Project- Seismic Retrofits
Construction Start Date	8/3/2026
Lead Agency	—
Land Use Scale	Project/site
Analysis Level for Defaults	County
Windspeed (m/s)	1.80000
Precipitation (days)	21.2000
Location	North Gym, 2200 Dorothy Ln, Fullerton, CA 92831, USA
County	Orange
City	Fullerton
Air District	South Coast AQMD
Air Basin	South Coast
TAZ	5762
EDFZ	7
Electric Utility	Southern California Edison
Gas Utility	Southern California Gas
App Version	2022.1.1.37

1.2. Land Use Types

Land Use Subtype	Size	Unit	Lot Acreage	Building Area (sq ft)	Landscape Area (sq ft)	Special Landscape Area (sq ft)	Population	Description
High School	119.333	1000sqft	2.73951	119,333	0.00000	0.00000	—	—

1.3. User-Selected Emission Reduction Measures by Emissions Sector

No measures selected

2. Emissions Summary

2.1. Construction Emissions Compared Against Thresholds

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Un/Mit.	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Unmit.	53.6546	53.3521	10.7246	16.1639	0.05264	0.32961	2.32154	2.51637	0.30439	0.61577	0.79930	—	7,805.03	7,805.03	0.39824	0.92959	17.2665	8,109.27
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Unmit.	1.35851	1.10520	9.40830	13.1212	0.02553	0.28772	0.91299	1.20071	0.26514	0.21643	0.48157	—	3,355.96	3,355.96	0.12792	0.13626	0.09437	3,399.86
Average Daily (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Unmit.	2.01984	1.91555	5.07611	7.10815	0.01374	0.15484	0.48537	0.64021	0.14269	0.11498	0.25767	—	1,810.43	1,810.43	0.06884	0.07333	0.84489	1,834.84
Annual (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Unmit.	0.36862	0.34959	0.92639	1.29724	0.00251	0.02826	0.08858	0.11684	0.02604	0.02098	0.04703	—	299.737	299.737	0.01140	0.01214	0.13988	303.779

2.2. Construction Emissions by Year, Unmitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Year	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily - Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
2026	53.6546	53.3521	10.7246	16.1639	0.05264	0.32961	2.32154	2.51637	0.30439	0.61577	0.79930	—	7,805.03	7,805.03	0.39824	0.92959	17.2665	8,109.27

2027	1.35905	1.10685	9.37551	13.4608	0.02552	0.28772	0.91299	1.20071	0.26514	0.21643	0.48157	—	3,386.59	3,386.59	0.12725	0.13626	3.63543	3,434.01
2028	49.9954	49.7336	9.20356	15.1834	0.05264	0.25614	2.32154	2.49935	0.23613	0.61577	0.78364	—	7,526.98	7,526.98	0.37911	0.86618	14.1869	7,808.76
Daily - Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
2026	—	—	—	—	—	—	—	—	—	—	—	—	1.17423	1.17423	0.00007	0.00001	—	1.17868
2027	1.35851	1.10520	9.40830	13.1212	0.02552	0.28772	0.91299	1.20071	0.26514	0.21643	0.48157	—	3,355.96	3,355.96	0.12792	0.13626	0.09437	3,399.86
2028	1.29662	1.05779	8.94604	12.9650	0.02553	0.25570	0.91299	1.16869	0.23568	0.21643	0.45211	—	3,330.03	3,330.03	0.12738	0.13571	0.08454	3,373.74
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
2026	1.67082	1.64883	0.73531	0.95887	0.00225	0.02147	0.13250	0.15396	0.01986	0.02955	0.04941	—	325.014	325.014	0.01446	0.02327	0.22611	332.536
2027	0.73078	0.59504	5.07611	7.10815	0.01374	0.15484	0.48537	0.64021	0.14269	0.11498	0.25767	—	1,810.43	1,810.43	0.06884	0.07333	0.84489	1,834.84
2028	2.01984	1.91555	3.83063	5.58442	0.01114	0.10856	0.41261	0.52117	0.10009	0.09826	0.19836	—	1,476.06	1,476.06	0.05678	0.06494	0.66143	1,497.49
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
2026	0.30492	0.30091	0.13419	0.17499	0.00041	0.00392	0.02418	0.02810	0.00362	0.00539	0.00902	—	53.8098	53.8098	0.00239	0.00385	0.03744	55.0552
2027	0.13337	0.10859	0.92639	1.29724	0.00251	0.02826	0.08858	0.11684	0.02604	0.02098	0.04703	—	299.737	299.737	0.01140	0.01214	0.13988	303.779
2028	0.36862	0.34959	0.69909	1.01916	0.00203	0.01981	0.07530	0.09511	0.01827	0.01793	0.03620	—	244.378	244.378	0.00940	0.01075	0.10951	247.927

3. Construction Emissions Details

3.1. Installation of Interim Buildings (2026) - Unmitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Location	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Onsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.44138	0.37088	3.44734	3.07307	0.00914	0.14128	—	0.14128	0.12998	—	0.12998	—	990.099	990.099	0.04016	0.00803	—	993.496

Onsite truck	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	—	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.00363	0.00305	0.02833	0.02526	0.00008	0.00116	—	0.00116	0.00107	—	0.00107	—	8.13780	8.13780	0.00033	0.00007	—	8.16572
Onsite truck	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	—	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.00066	0.00056	0.00517	0.00461	0.00001	0.00021	—	0.00021	0.00019	—	0.00019	—	1.34731	1.34731	0.00005	0.00001	—	1.35193
Onsite truck	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	—	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000
Offsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.17348	0.16906	0.15248	2.64139	0.00000	0.00000	0.65511	0.65511	0.00000	0.15356	0.15356	—	652.640	652.640	0.00773	0.02376	2.26837	662.182
Vendor	0.35366	0.09587	4.59817	2.30163	0.03238	0.03238	1.23205	1.26443	0.03238	0.34039	0.37278	—	4,516.46	4,516.46	0.22540	0.63747	11.6690	4,723.73
Hauling	0.16138	0.02487	1.96511	0.86880	0.01111	0.02116	0.43438	0.45554	0.02116	0.12182	0.14299	—	1,644.65	1,644.65	0.12487	0.26032	3.32916	1,728.68
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.00142	0.00138	0.00144	0.01947	0.00000	0.00000	0.00531	0.00531	0.00000	0.00124	0.00124	—	5.17496	5.17496	0.00007	0.00020	0.00805	5.24301
Vendor	0.00288	0.00076	0.03960	0.01913	0.00027	0.00027	0.01001	0.01028	0.00027	0.00277	0.00303	—	37.1294	37.1294	0.00185	0.00524	0.04148	38.7785
Hauling	0.00132	0.00020	0.01690	0.00717	0.00009	0.00017	0.00353	0.00371	0.00017	0.00099	0.00117	—	13.5197	13.5197	0.00103	0.00214	0.01180	14.1948

Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.00026	0.00025	0.00026	0.00355	0.00000	0.00000	0.00097	0.00097	0.00000	0.00023	0.00023	—	0.85677	0.85677	0.00001	0.00003	0.00133	0.86804
Vendor	0.00053	0.00014	0.00723	0.00349	0.00005	0.00005	0.00183	0.00188	0.00005	0.00051	0.00055	—	6.14719	6.14719	0.00031	0.00087	0.00687	6.42023
Hauling	0.00024	0.00004	0.00308	0.00131	0.00002	0.00003	0.00064	0.00068	0.00003	0.00018	0.00021	—	2.23834	2.23834	0.00017	0.00035	0.00195	2.35011

3.3. Seismic Upgrades/Modernization (Phase 1) (2026) - Unmitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Location	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Onsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	1.18680	0.99156	8.89891	10.6871	0.02054	0.31523	—	0.31523	0.29001	—	0.29001	—	2,058.41	2,058.41	0.08350	0.01670	—	2,065.48
Demolition	—	—	—	—	—	—	0.61267	0.61267	—	0.09278	0.09278	—	—	—	—	—	—	—
Onsite truck	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	—	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.07153	0.05977	0.53637	0.64415	0.00124	0.01900	—	0.01900	0.01748	—	0.01748	—	124.069	124.069	0.00503	0.00101	—	124.494
Demolition	—	—	—	—	—	—	0.03693	0.03693	—	0.00559	0.00559	—	—	—	—	—	—	—
Onsite truck	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	—	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

Off-Roa Equipment	0.01305	0.01091	0.09789	0.11756	0.00023	0.00347	—	0.00347	0.00319	—	0.00319	—	20.5410	20.5410	0.00083	0.00017	—	20.6115
Demoliti on	—	—	—	—	—	—	0.00674	0.00674	—	0.00102	0.00102	—	—	—	—	—	—	—
Onsite truck	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	—	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000
Offsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.17348	0.16906	0.15248	2.64139	0.00000	0.00000	0.65511	0.65511	0.00000	0.15356	0.15356	—	652.640	652.640	0.00773	0.02376	2.26837	662.182
Vendor	0.04804	0.01302	0.62454	0.31262	0.00440	0.00440	0.16734	0.17174	0.00440	0.04623	0.05063	—	613.445	613.445	0.03061	0.08658	1.58493	641.597
Hauling	0.07610	0.01173	0.92673	0.40972	0.00524	0.00998	0.20485	0.21483	0.00998	0.05745	0.06743	—	775.603	775.603	0.05889	0.12277	1.57000	815.229
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.01039	0.01012	0.01056	0.14276	0.00000	0.00000	0.03895	0.03895	0.00000	0.00912	0.00912	—	37.9497	37.9497	0.00053	0.00143	0.05902	38.4488
Vendor	0.00287	0.00076	0.03944	0.01905	0.00027	0.00027	0.00997	0.01024	0.00027	0.00276	0.00302	—	36.9825	36.9825	0.00185	0.00522	0.04132	38.6251
Hauling	0.00456	0.00068	0.05844	0.02479	0.00032	0.00060	0.01222	0.01282	0.00060	0.00343	0.00403	—	46.7556	46.7556	0.00355	0.00740	0.04082	49.0903
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.00190	0.00185	0.00193	0.02605	0.00000	0.00000	0.00711	0.00711	0.00000	0.00166	0.00166	—	6.28301	6.28301	0.00009	0.00024	0.00977	6.36563
Vendor	0.00052	0.00014	0.00720	0.00348	0.00005	0.00005	0.00182	0.00187	0.00005	0.00050	0.00055	—	6.12287	6.12287	0.00031	0.00086	0.00684	6.39483
Hauling	0.00083	0.00012	0.01067	0.00452	0.00006	0.00011	0.00223	0.00234	0.00011	0.00063	0.00074	—	7.74093	7.74093	0.00059	0.00123	0.00676	8.12745

3.5. Seismic Upgrades/Modernization (Phase 2 and 3) (2027) - Unmitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Location	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Onsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	1.13674	0.94986	8.52560	10.6400	0.02054	0.28221	—	0.28221	0.25963	—	0.25963	—	2,058.50	2,058.50	0.08350	0.01670	—	2,065.56
Demolition	—	—	—	—	—	—	0.06782	0.06782	—	0.01027	0.01027	—	—	—	—	—	—	—
Onsite truck	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	—	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	1.13674	0.94986	8.52560	10.6400	0.02054	0.28221	—	0.28221	0.25963	—	0.25963	—	2,058.50	2,058.50	0.08350	0.01670	—	2,065.56
Demolition	—	—	—	—	—	—	0.06782	0.06782	—	0.01027	0.01027	—	—	—	—	—	—	—
Onsite truck	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	—	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.61175	0.51118	4.58814	5.72602	0.01106	0.15187	—	0.15187	0.13972	—	0.13972	—	1,107.80	1,107.80	0.04494	0.00899	—	1,111.60
Demolition	—	—	—	—	—	—	0.03650	0.03650	—	0.00553	0.00553	—	—	—	—	—	—	—
Onsite truck	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	—	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.11164	0.09329	0.83734	1.04500	0.00202	0.02772	—	0.02772	0.02550	—	0.02550	—	183.409	183.409	0.00744	0.00149	—	184.039

Demoliti	—	—	—	—	—	—	0.00666	0.00666	—	0.00101	0.00101	—	—	—	—	—	—	—
Onsite truck	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	—	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000
Offsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.16685	0.14309	0.15027	2.47841	0.00000	0.00000	0.65511	0.65511	0.00000	0.15356	0.15356	—	641.653	641.653	0.00663	0.02376	2.03452	650.933
Vendor	0.04760	0.01259	0.60040	0.29813	0.00440	0.00440	0.16734	0.17174	0.00440	0.04623	0.05063	—	602.108	602.108	0.03061	0.08219	1.44028	628.805
Hauling	0.00786	0.00130	0.09925	0.04432	0.00058	0.00111	0.02271	0.02382	0.00111	0.00637	0.00748	—	84.3348	84.3348	0.00650	0.01361	0.16064	88.7146
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.16685	0.14199	0.15359	2.13146	0.00000	0.00000	0.65511	0.65511	0.00000	0.15356	0.15356	—	610.675	610.675	0.00773	0.02376	0.05291	618.001
Vendor	0.04717	0.01216	0.62575	0.30503	0.00440	0.00440	0.16734	0.17174	0.00440	0.04623	0.05063	—	602.424	602.424	0.03018	0.08219	0.03730	627.708
Hauling	0.00775	0.00119	0.10337	0.04471	0.00058	0.00111	0.02271	0.02382	0.00111	0.00637	0.00748	—	84.3664	84.3664	0.00650	0.01361	0.00416	88.5897
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.08920	0.07641	0.09306	1.19612	0.00000	0.00000	0.34776	0.34776	0.00000	0.08144	0.08144	—	333.129	333.129	0.00416	0.01278	0.47351	337.517
Vendor	0.02562	0.00678	0.33894	0.16207	0.00237	0.00237	0.08902	0.09139	0.00237	0.02462	0.02699	—	324.103	324.103	0.01624	0.04423	0.33407	338.023
Hauling	0.00421	0.00067	0.05597	0.02394	0.00031	0.00060	0.01209	0.01269	0.00060	0.00340	0.00399	—	45.3928	45.3928	0.00350	0.00733	0.03730	47.7007
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.01628	0.01395	0.01698	0.21829	0.00000	0.00000	0.06347	0.06347	0.00000	0.01486	0.01486	—	55.1534	55.1534	0.00069	0.00212	0.07840	55.8798
Vendor	0.00468	0.00124	0.06186	0.02958	0.00043	0.00043	0.01625	0.01668	0.00043	0.00449	0.00493	—	53.6589	53.6589	0.00269	0.00732	0.05531	55.9636
Hauling	0.00077	0.00012	0.01021	0.00437	0.00006	0.00011	0.00221	0.00232	0.00011	0.00062	0.00073	—	7.51530	7.51530	0.00058	0.00121	0.00618	7.89740

3.7. Seismic Upgrades/Modernization (Phase 2 and 3) (2028) - Unmitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Location	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Onsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	1.08520	0.90687	8.09425	10.6181	0.02055	0.25019	—	0.25019	0.23017	—	0.23017	—	2,059.06	2,059.06	0.08352	0.01670	—	2,066.13
Demolition	—	—	—	—	—	—	0.06782	0.06782	—	0.01027	0.01027	—	—	—	—	—	—	—
Onsite truck	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	—	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	1.08520	0.90687	8.09425	10.6181	0.02055	0.25019	—	0.25019	0.23017	—	0.23017	—	2,059.06	2,059.06	0.08352	0.01670	—	2,066.13
Demolition	—	—	—	—	—	—	0.06782	0.06782	—	0.01027	0.01027	—	—	—	—	—	—	—
Onsite truck	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	—	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.45447	0.37978	3.38976	4.44673	0.00861	0.10478	—	0.10478	0.09639	—	0.09639	—	862.306	862.306	0.03498	0.00700	—	865.266
Demolition	—	—	—	—	—	—	0.02840	0.02840	—	0.00430	0.00430	—	—	—	—	—	—	—
Onsite truck	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	—	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.08294	0.06931	0.61863	0.81153	0.00157	0.01912	—	0.01912	0.01759	—	0.01759	—	142.765	142.765	0.00579	0.00116	—	143.255

Demoliti	—	—	—	—	—	—	0.00518	0.00518	—	0.00078	0.00078	—	—	—	—	—	—	—
Onsite truck	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	—	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000
Offsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.16243	0.13867	0.12873	2.33808	0.00000	0.00000	0.65511	0.65511	0.00000	0.15356	0.15356	—	630.208	630.208	0.00663	0.00331	1.81820	633.180
Vendor	0.04321	0.01216	0.57582	0.28847	0.00440	0.00440	0.16734	0.17174	0.00440	0.04623	0.05063	—	588.149	588.149	0.02975	0.08219	1.29562	614.679
Hauling	0.00783	0.00130	0.09568	0.04325	0.00058	0.00111	0.02271	0.02382	0.00111	0.00637	0.00748	—	82.3940	82.3940	0.00592	0.01306	0.14798	86.5817
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.16132	0.13757	0.15138	2.00825	0.00000	0.00000	0.65511	0.65511	0.00000	0.15356	0.15356	—	599.815	599.815	0.00773	0.02376	0.04706	607.135
Vendor	0.04234	0.01216	0.60117	0.29494	0.00440	0.00440	0.16734	0.17174	0.00440	0.04623	0.05063	—	588.477	588.477	0.03018	0.08219	0.03365	613.757
Hauling	0.00775	0.00119	0.09925	0.04363	0.00058	0.00111	0.02271	0.02382	0.00111	0.00637	0.00748	—	82.4266	82.4266	0.00592	0.01306	0.00383	86.4702
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.06802	0.05807	0.06340	0.87921	0.00000	0.00000	0.27062	0.27062	0.00000	0.06337	0.06337	—	254.628	254.628	0.00324	0.00995	0.32930	258.003
Vendor	0.01791	0.00527	0.25180	0.12207	0.00184	0.00184	0.06928	0.07112	0.00184	0.01916	0.02100	—	246.367	246.367	0.01264	0.03442	0.23442	257.174
Hauling	0.00327	0.00052	0.04206	0.01818	0.00024	0.00046	0.00941	0.00987	0.00046	0.00264	0.00311	—	34.5112	34.5112	0.00248	0.00547	0.02671	36.2297
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.01241	0.01060	0.01157	0.16046	0.00000	0.00000	0.04939	0.04939	0.00000	0.01157	0.01157	—	42.1566	42.1566	0.00054	0.00165	0.05452	42.7154
Vendor	0.00327	0.00096	0.04595	0.02228	0.00034	0.00034	0.01264	0.01298	0.00034	0.00350	0.00383	—	40.7889	40.7889	0.00209	0.00570	0.03881	42.5781
Hauling	0.00060	0.00010	0.00768	0.00332	0.00004	0.00008	0.00172	0.00180	0.00008	0.00048	0.00057	—	5.71373	5.71373	0.00041	0.00091	0.00442	5.99825

3.9. Removal of Interim Buildings (2028) - Unmitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Location	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Onsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.41871	0.35183	3.00574	3.05563	0.00915	0.12426	—	0.12426	0.11432	—	0.11432	—	990.649	990.649	0.04019	0.00804	—	994.049
Onsite truck	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	—	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.00344	0.00289	0.02470	0.02511	0.00008	0.00102	—	0.00102	0.00094	—	0.00094	—	8.14232	8.14232	0.00033	0.00007	—	8.17026
Onsite truck	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	—	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.00063	0.00053	0.00451	0.00458	0.00001	0.00019	—	0.00019	0.00017	—	0.00017	—	1.34805	1.34805	0.00005	0.00001	—	1.35268
Onsite truck	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	—	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000
Offsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.16243	0.13867	0.12873	2.33808	0.00000	0.00000	0.65511	0.65511	0.00000	0.15356	0.15356	—	630.208	630.208	0.00663	0.00331	1.81820	633.180
Vendor	0.31810	0.08953	4.23944	2.12385	0.03238	0.03238	1.23205	1.26443	0.03238	0.34039	0.37278	—	4,330.22	4,330.22	0.21905	0.60509	9.53894	4,525.55
Hauling	0.14974	0.02487	1.82966	0.82700	0.01111	0.02116	0.43438	0.45554	0.02116	0.12182	0.14299	—	1,575.64	1,575.64	0.11323	0.24974	2.82978	1,655.73

Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.00134	0.00114	0.00124	0.01726	0.00000	0.00000	0.00531	0.00531	0.00000	0.00124	0.00124	—	4.99738	4.99738	0.00006	0.00020	0.00646	5.06362
Vendor	0.00259	0.00076	0.03638	0.01764	0.00027	0.00027	0.01001	0.01028	0.00027	0.00277	0.00303	—	35.5993	35.5993	0.00183	0.00497	0.03387	37.1609
Hauling	0.00123	0.00020	0.01579	0.00682	0.00009	0.00017	0.00353	0.00371	0.00017	0.00099	0.00117	—	12.9526	12.9526	0.00093	0.00205	0.01002	13.5976
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.00024	0.00021	0.00023	0.00315	0.00000	0.00000	0.00097	0.00097	0.00000	0.00023	0.00023	—	0.82737	0.82737	0.00001	0.00003	0.00107	0.83834
Vendor	0.00047	0.00014	0.00664	0.00322	0.00005	0.00005	0.00183	0.00188	0.00005	0.00051	0.00055	—	5.89386	5.89386	0.00030	0.00082	0.00561	6.15240
Hauling	0.00022	0.00004	0.00288	0.00125	0.00002	0.00003	0.00064	0.00068	0.00003	0.00018	0.00021	—	2.14446	2.14446	0.00015	0.00034	0.00166	2.25124

3.11. Architectural Coating (Phase 1) (2026) - Unmitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Location	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Onsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	—	0.00000	0.00000	—	0.00000	—	0.00000	0.00000	0.00000	0.00000	—	0.00000
Architectural Coatings	52.0314	52.0314	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Onsite truck	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	—	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	—	0.00000	0.00000	—	0.00000	—	0.00000	0.00000	0.00000	0.00000	—	0.00000
Architectural Coatings	1.56807	1.56807	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Onsite truck	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	—	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	—	0.00000	0.00000	—	0.00000	—	0.00000	0.00000	0.00000	0.00000	—	0.00000
Architectural Coatings	0.28617	0.28617	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Onsite truck	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	—	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000
Offsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.13878	0.13525	0.12199	2.11311	0.00000	0.00000	0.52409	0.52409	0.00000	0.12285	0.12285	—	522.112	522.112	0.00619	0.01901	1.81469	529.745
Vendor	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	—	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000
Hauling	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	—	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.00416	0.00405	0.00422	0.05710	0.00000	0.00000	0.01558	0.01558	0.00000	0.00365	0.00365	—	15.1799	15.1799	0.00021	0.00057	0.02361	15.3795

Vendor	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	—	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000
Hauling	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	—	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.00076	0.00074	0.00077	0.01042	0.00000	0.00000	0.00284	0.00284	0.00000	0.00067	0.00067	—	2.51320	2.51320	0.00004	0.00009	0.00391	2.54625
Vendor	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	—	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000
Hauling	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	—	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000

3.13. Architectural Coating (Phases 2 and 3) (2028) - Unmitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Location	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Onsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	—	0.00000	0.00000	—	0.00000	—	0.00000	0.00000	0.00000	0.00000	—	0.00000
Architectural Coatings	48.5627	48.5627	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Onsite truck	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	—	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	—	0.00000	0.00000	—	0.00000	—	0.00000	0.00000	0.00000	0.00000	—	0.00000

Architectural	1.46353	1.46353	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Onsite truck	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	—	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	—	0.00000	0.00000	—	0.00000	—	0.00000	0.00000	0.00000	0.00000	—	0.00000
Architectural Coatings	0.26709	0.26709	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Onsite truck	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	—	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000
Offsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.12963	0.11067	0.10274	1.86599	0.00000	0.00000	0.52284	0.52284	0.00000	0.12255	0.12255	—	502.961	502.961	0.00529	0.00265	1.45108	505.333
Vendor	0.00442	0.00124	0.05888	0.02950	0.00045	0.00045	0.01711	0.01756	0.00045	0.00473	0.00518	—	60.1420	60.1420	0.00304	0.00840	0.13249	62.8549
Hauling	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	—	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.00391	0.00334	0.00364	0.05049	0.00000	0.00000	0.01554	0.01554	0.00000	0.00364	0.00364	—	14.6239	14.6239	0.00019	0.00057	0.01891	14.8178
Vendor	0.00013	0.00004	0.00185	0.00090	0.00001	0.00001	0.00051	0.00052	0.00001	0.00014	0.00015	—	1.81293	1.81293	0.00009	0.00025	0.00173	1.89245
Hauling	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	—	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.00071	0.00061	0.00066	0.00922	0.00000	0.00000	0.00284	0.00284	0.00000	0.00066	0.00066	—	2.42116	2.42116	0.00003	0.00009	0.00313	2.45325
Vendor	0.00002	0.00001	0.00034	0.00016	< 0.000005	< 0.000005	0.00009	0.00010	< 0.000005	0.00003	0.00003	—	0.30015	0.30015	0.00002	0.00004	0.00029	0.31332

Hauling	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	—	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000

5. Activity Data

5.1. Construction Schedule

Phase Name	Phase Type	Start Date	End Date	Days Per Week	Work Days per Phase	Phase Description
Installation of Interim Buildings	Building Construction	8/3/2026	8/5/2026	5.00000	3.00000	—
Seismic Upgrades/Modernization (Phase 1)	Building Construction	8/6/2026	9/5/2026	5.00000	22.0000	—
Seismic Upgrades/Modernization (Phase 2 and 3)	Building Construction	4/1/2027	8/1/2028	5.00000	349.000	—
Removal of Interim Buildings	Building Construction	8/2/2028	8/5/2028	5.00000	3.00000	—
Architectural Coating (Phase 1)	Architectural Coating	8/21/2026	9/5/2026	5.00000	11.0000	—
Architectural Coating (Phases 2 and 3)	Architectural Coating	7/18/2028	8/1/2028	5.00000	11.0000	—

5.2. Off-Road Equipment

5.2.1. Unmitigated

Phase Name	Equipment Type	Fuel Type	Engine Tier	Number per Day	Hours Per Day	Horsepower	Load Factor
Installation of Interim Buildings	Cranes	Diesel	Average	1.000000	8.00000	367.000	0.29000
Seismic Upgrades/Modernization (Phase 1)	Cranes	Diesel	Average	1.000000	8.00000	367.000	0.29000
Seismic Upgrades/Modernization (Phase 1)	Forklifts	Diesel	Average	2.00000	7.00000	82.0000	0.20000

Seismic Upgrades/Modernization (Phase 1)	Welders	Diesel	Average	2.00000	8.00000	46.0000	0.45000
Seismic Upgrades/Modernization (Phase 1)	Skid Steer Loaders	Diesel	Average	1.000000	8.00000	71.0000	0.37000
Seismic Upgrades/Modernization (Phase 1)	Excavators	Diesel	Average	1.000000	8.00000	36.0000	0.38000
Seismic Upgrades/Modernization (Phase 2 and 3)	Cranes	Diesel	Average	1.000000	8.00000	367.000	0.29000
Seismic Upgrades/Modernization (Phase 2 and 3)	Forklifts	Diesel	Average	2.00000	7.00000	82.0000	0.20000
Seismic Upgrades/Modernization (Phase 2 and 3)	Welders	Diesel	Average	2.00000	8.00000	46.0000	0.45000
Seismic Upgrades/Modernization (Phase 2 and 3)	Skid Steer Loaders	Diesel	Average	1.000000	8.00000	71.0000	0.37000
Seismic Upgrades/Modernization (Phase 2 and 3)	Excavators	Diesel	Average	1.000000	8.00000	36.0000	0.38000
Removal of Interim Buildings	Cranes	Diesel	Average	1.000000	8.00000	367.000	0.29000
Architectural Coating (Phase 1)	Air Compressors	Electric	Average	1.000000	6.00000	37.0000	0.48000
Architectural Coating (Phases 2 and 3)	Air Compressors	Electric	Average	1.000000	6.00000	37.0000	0.48000

5.3. Construction Vehicles

5.3.1. Unmitigated

Phase Name	Trip Type	One-Way Trips per Day	Miles per Trip	Vehicle Mix

Installation of Interim Buildings	Worker	50.1199	18.5000	LDA,LDT1,LDT2
Installation of Interim Buildings	Vendor	144.000	10.2000	HHDT,MHDT
Installation of Interim Buildings	Hauling	24.0000	20.0000	HHDT
Installation of Interim Buildings	Onsite truck	—	—	HHDT
Seismic Upgrades/Modernization (Phase 1)	Worker	50.1199	18.5000	LDA,LDT1,LDT2
Seismic Upgrades/Modernization (Phase 1)	Vendor	19.5587	10.2000	HHDT,MHDT
Seismic Upgrades/Modernization (Phase 1)	Hauling	11.3182	20.0000	HHDT
Seismic Upgrades/Modernization (Phase 1)	Onsite truck	—	—	HHDT
Seismic Upgrades/Modernization (Phase 2 and 3)	Worker	50.1199	18.5000	LDA,LDT1,LDT2
Seismic Upgrades/Modernization (Phase 2 and 3)	Vendor	19.5587	10.2000	HHDT,MHDT
Seismic Upgrades/Modernization (Phase 2 and 3)	Hauling	1.25501	20.0000	HHDT
Seismic Upgrades/Modernization (Phase 2 and 3)	Onsite truck	—	—	HHDT
Removal of Interim Buildings	Worker	50.1199	18.5000	LDA,LDT1,LDT2
Removal of Interim Buildings	Vendor	144.000	10.2000	HHDT,MHDT
Removal of Interim Buildings	Hauling	24.0000	20.0000	HHDT
Removal of Interim Buildings	Onsite truck	—	—	HHDT
Architectural Coating (Phase 1)	Worker	40.0959	18.5000	LDA,LDT1,LDT2
Architectural Coating (Phase 1)	Vendor	—	10.2000	HHDT,MHDT
Architectural Coating (Phase 1)	Hauling	0.00000	20.0000	HHDT
Architectural Coating (Phase 1)	Onsite truck	—	—	HHDT
Architectural Coating (Phases 2 and 3)	Worker	40.0000	18.5000	LDA,LDT1,LDT2
Architectural Coating (Phases 2 and 3)	Vendor	2.00000	10.2000	HHDT,MHDT

Architectural Coating (Phases 2 and 3)	Hauling	0.00000	20.0000	HHDT
Architectural Coating (Phases 2 and 3)	Onsite truck	—	—	HHDT

5.4. Vehicles

5.4.1. Construction Vehicle Control Strategies

Control Strategies Applied	PM10 Reduction	PM2.5 Reduction
Water unpaved roads twice daily	55%	55%
Limit vehicle speeds on unpaved roads to 25 mph	44%	44%
Sweep paved roads once per month	9%	9%

5.5. Architectural Coatings

Phase Name	Residential Interior Area Coated (sq ft)	Residential Exterior Area Coated (sq ft)	Non-Residential Interior Area Coated (sq ft)	Non-Residential Exterior Area Coated (sq ft)	Parking Area Coated (sq ft)
Architectural Coating (Phase 1)	0.00000	0.00000	92,585.9	30,862.0	—
Architectural Coating (Phases 2 and 3)	0.00000	0.00000	86,413.6	28,804.5	—

5.6. Dust Mitigation

5.6.1. Construction Earthmoving Activities

Phase Name	Material Imported (cy)	Material Exported (cy)	Acres Graded (acres)	Material Demolished (Ton of Debris)	Acres Paved (acres)
Seismic Upgrades/Modernization (Phase 1)	0.00000	0.00000	0.00000	996.000	0.00000

Seismic Upgrades/Modernization (Phase 2 and 3)	0.00000	0.00000	0.00000	1,749.00	0.00000

5.6.2. Construction Earthmoving Control Strategies

Control Strategies Applied	Frequency (per day)	PM10 Reduction	PM2.5 Reduction
Water Exposed Area	2	61%	61%
Water Demolished Area	2	36%	36%

5.7. Construction Paving

Phase Name	Land Use	Area Paved (acres)	% Asphalt
Seismic Upgrades/Modernization (Phase 1)	High School	0.00000	0%

5.8. Construction Electricity Consumption and Emissions Factors

kWh per Year and Emission Factor (lb/MWh)

Year	kWh per Year	CO2	CH4	N2O
2026	79.4618	531.983	0.03300	0.00400
2027	0.00000	531.983	0.03300	0.00400
2028	79.4618	531.983	0.03300	0.00400

8. User Changes to Default Data

8.1. Justifications

Screen	Justification
Construction: Construction Phases	Reorganized activities based on activities expected during this phase of the project.
Construction: Off-Road Equipment	Adjusted to account for more minimal equipment needed for the seismic retrofits and modernizations and equipment associated with installation and removal of interim buildings. Air compressors are assumed to use existing building electricity instead of deisel power.

Construction: Demolition	Demolition debris is based on half the square footage of the retrofitted buildings and is assumed to be hauled offsite continuously throughout this construction phase. Phase 1 = Building 300, Phase 2 = all other buildings.
Construction: Trips and VMT	Installation and removal of interim buildings is assumed to require 4 vendor trips and 2 hauling trips per interim building, consistent with previous projects modeled by PlaceWorks.

8.4. Construction

8.4.2. Off-Road Equipment

Phase Name	Equipment Type	Model Parameter	Default Value	New Value
Seismic Upgrades/Modernization (Phase 1)	Welders	Number per Day	3.00000	2.00000
Seismic Upgrades/Modernization (Phase 1)	Skid Steer Loaders	Number per Day	2.00000	1.000000
Seismic Upgrades/Modernization (Phase 2 and 3)	Welders	Number per Day	3.00000	2.00000
Architectural Coating (Phase 1)	Air Compressors	Fuel Type	Diesel	Electric
Architectural Coating (Phases 2 and 3)	Air Compressors	Fuel Type	Diesel	Electric

8.4.6. Trips and VMT

Phase Name	Trip Type	Model Parameter	Default Value	New Value
Installation of Interim Buildings	Vendor	One-Way Trips per Day	19.5587	144.000
Installation of Interim Buildings	Hauling	One-Way Trips per Day	0.00000	24.0000
Removal of Interim Buildings	Vendor	One-Way Trips per Day	19.5587	144.000
Removal of Interim Buildings	Hauling	One-Way Trips per Day	0.00000	24.0000

Troy High School Improvements Project- Field Improvements Custom Report

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8.1. Justifications

1. Basic Project Information

1.1. Basic Project Information

Data Field	Value
Project Name	Troy High School Improvements Project- Field Improvements
Construction Start Date	4/1/2026
Operational Year	2026
Lead Agency	—
Land Use Scale	Project/site
Analysis Level for Defaults	County
Windspeed (m/s)	1.8
Precipitation (days)	21
Location	North Gym, 2200 Dorothy Ln, Fullerton, CA 92831, USA
County	Orange
City	Fullerton
Air District	South Coast AQMD
Air Basin	South Coast
TAZ	5762
EDFZ	7
Electric Utility	Southern California Edison
Gas Utility	Southern California Gas
App Version	2022.1.1.35

1.2. Land Use Types

Land Use Subtype	Size	Unit	Lot Acreage	Building Area (sq ft)	Landscape Area (sq ft)	Special Landscape Area (sq ft)	Population	Description
High School	3.4	1000sqft	2.3	3,365	6,684	92,696	—	—

Other Non-Asphalt Surfaces	3.4	1000sqft	0.08	0.00	0.00	—	—	—
Other Non-Asphalt Surfaces	79	1000sqft	1.8	0.00	0.00	—	—	—
Other Asphalt Surfaces	24	1000sqft	0.55	0.00	0.00	—	—	—

1.3. User-Selected Emission Reduction Measures by Emissions Sector

No measures selected

2. Emissions Summary

2.1. Construction Emissions Compared Against Thresholds

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Un/Mit.	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Unmit.	6.8	6.4	31	31	0.09	1.3	6.9	8.2	1.2	2.9	4.1	—	12,982	12,982	0.86	1.6	21	13,494
Average Daily (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Unmit.	0.72	0.62	4.3	5.0	0.01	0.16	0.22	0.38	0.15	0.07	0.22	—	1,105	1,105	0.05	0.04	0.24	1,119
Annual (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Unmit.	0.13	0.11	0.78	0.92	< 0.005	0.03	0.04	0.07	0.03	0.01	0.04	—	183	183	0.01	0.01	0.04	185

2.2. Construction Emissions by Year, Unmitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Year	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e

Daily - Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
2026	6.8	6.4	31	31	0.09	1.3	6.9	8.2	1.2	2.9	4.1	—	12,982	12,982	0.86	1.6	21	13,494
Daily - Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
2026	0.72	0.62	4.3	5.0	0.01	0.16	0.22	0.38	0.15	0.07	0.22	—	1,105	1,105	0.05	0.04	0.24	1,119
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
2026	0.13	0.11	0.78	0.92	< 0.005	0.03	0.04	0.07	0.03	0.01	0.04	—	183	183	0.01	0.01	0.04	185

2.4. Operations Emissions Compared Against Thresholds

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Un/Mit.	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Unmit.	0.12	0.12	< 0.005	0.15	< 0.005	< 0.005	0.00	< 0.005	< 0.005	0.00	< 0.005	2.6	44	47	0.24	< 0.005	0.01	53
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Unmit.	0.10	0.10	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	2.6	44	46	0.24	< 0.005	0.01	53
Average Daily (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Unmit.	0.11	0.11	< 0.005	0.10	< 0.005	< 0.005	0.00	< 0.005	< 0.005	0.00	< 0.005	2.6	44	47	0.24	< 0.005	0.01	53
Annual (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Unmit.	0.02	0.02	< 0.005	0.02	< 0.005	< 0.005	0.00	< 0.005	< 0.005	0.00	< 0.005	0.43	7.3	7.8	0.04	< 0.005	< 0.005	8.8

2.5. Operations Emissions by Sector, Unmitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Sector	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Mobile	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	0.00
Area	0.12	0.12	< 0.005	0.15	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	—	0.60	0.60	< 0.005	< 0.005	—	0.60
Energy	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	—	0.00	—	31	31	< 0.005	< 0.005	—	31
Water	—	—	—	—	—	—	—	—	—	—	—	0.24	13	13	< 0.005	< 0.005	—	14
Waste	—	—	—	—	—	—	—	—	—	—	—	2.4	0.00	2.4	0.24	0.00	—	8.2
Refrig.	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	0.01	0.01
Total	0.12	0.12	< 0.005	0.15	< 0.005	< 0.005	0.00	< 0.005	< 0.005	0.00	< 0.005	2.6	44	47	0.24	< 0.005	0.01	53
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Mobile	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	0.00
Area	0.10	0.10	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Energy	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	—	0.00	—	31	31	< 0.005	< 0.005	—	31
Water	—	—	—	—	—	—	—	—	—	—	—	0.24	13	13	< 0.005	< 0.005	—	14
Waste	—	—	—	—	—	—	—	—	—	—	—	2.4	0.00	2.4	0.24	0.00	—	8.2
Refrig.	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	0.01	0.01
Total	0.10	0.10	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	2.6	44	46	0.24	< 0.005	0.01	53
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Mobile	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	0.00
Area	0.11	0.11	< 0.005	0.10	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	—	0.41	0.41	< 0.005	< 0.005	—	0.41
Energy	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	—	0.00	—	31	31	< 0.005	< 0.005	—	31
Water	—	—	—	—	—	—	—	—	—	—	—	0.24	13	13	< 0.005	< 0.005	—	14
Waste	—	—	—	—	—	—	—	—	—	—	—	2.4	0.00	2.4	0.24	0.00	—	8.2

Refrig.	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	0.01	0.01
Total	0.11	0.11	< 0.005	0.10	< 0.005	< 0.005	0.00	< 0.005	< 0.005	0.00	< 0.005	2.6	44	47	0.24	< 0.005	0.01	53
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Mobile	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	0.00
Area	0.02	0.02	< 0.005	0.02	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	—	0.07	0.07	< 0.005	< 0.005	—	0.07
Energy	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	—	0.00	—	5.1	5.1	< 0.005	< 0.005	—	5.1
Water	—	—	—	—	—	—	—	—	—	—	—	0.04	2.2	2.2	< 0.005	< 0.005	—	2.3
Waste	—	—	—	—	—	—	—	—	—	—	—	0.39	0.00	0.39	0.04	0.00	—	1.4
Refrig.	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	< 0.005	< 0.005
Total	0.02	0.02	< 0.005	0.02	< 0.005	< 0.005	0.00	< 0.005	< 0.005	0.00	< 0.005	0.43	7.3	7.8	0.04	< 0.005	< 0.005	8.8

3. Construction Emissions Details

3.1. Demolition (2026) - Unmitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Location	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Onsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	2.7	2.3	21	19	0.03	0.84	—	0.84	0.78	—	0.78	—	3,427	3,427	0.14	0.03	—	3,438
Demolition	—	—	—	—	—	—	0.22	0.22	—	0.03	0.03	—	—	—	—	—	—	—
Onsite truck	< 0.005	< 0.005	0.02	0.01	< 0.005	< 0.005	0.31	0.31	< 0.005	0.03	0.03	—	4.4	4.4	< 0.005	< 0.005	0.01	4.6
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.12	0.10	0.91	0.83	< 0.005	0.04	—	0.04	0.03	—	0.03	—	150	150	0.01	< 0.005	—	151
Demolition	—	—	—	—	—	—	0.01	0.01	—	< 0.005	< 0.005	—	—	—	—	—	—	—
Onsite truck	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	0.01	0.01	< 0.005	< 0.005	< 0.005	—	0.19	0.19	< 0.005	< 0.005	< 0.005	0.20
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.02	0.02	0.17	0.15	< 0.005	0.01	—	0.01	0.01	—	0.01	—	25	25	< 0.005	< 0.005	—	25
Demolition	—	—	—	—	—	—	< 0.005	< 0.005	—	< 0.005	< 0.005	—	—	—	—	—	—	—
Onsite truck	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	—	0.03	0.03	< 0.005	< 0.005	< 0.005	0.03
Offsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.05	0.05	0.05	0.79	0.00	0.00	0.20	0.20	0.00	0.05	0.05	—	195	195	< 0.005	0.01	0.68	198
Vendor	0.02	0.01	0.26	0.13	< 0.005	< 0.005	0.07	0.07	< 0.005	0.02	0.02	—	251	251	0.01	0.04	0.65	262
Hauling	0.03	< 0.005	0.34	0.15	< 0.005	< 0.005	0.07	0.08	< 0.005	0.02	0.02	—	283	283	0.02	0.04	0.57	297
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	< 0.005	< 0.005	< 0.005	0.03	0.00	0.00	0.01	0.01	0.00	< 0.005	< 0.005	—	8.3	8.3	< 0.005	< 0.005	0.01	8.4
Vendor	< 0.005	< 0.005	0.01	0.01	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	—	11	11	< 0.005	< 0.005	0.01	11
Hauling	< 0.005	< 0.005	0.02	0.01	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	—	12	12	< 0.005	< 0.005	0.01	13

Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	< 0.005	< 0.005	< 0.005	0.01	0.00	0.00	< 0.005	< 0.005	0.00	< 0.005	< 0.005	—	1.4	1.4	< 0.005	< 0.005	< 0.005	1.4
Vendor	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	—	1.8	1.8	< 0.005	< 0.005	< 0.005	1.9
Hauling	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	—	2.1	2.1	< 0.005	< 0.005	< 0.005	2.2

3.3. Site Preparation (2026) - Unmitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Location	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Onsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	3.7	3.1	29	29	0.05	1.2	—	1.2	1.1	—	1.1	—	5,298	5,298	0.21	0.04	—	5,316
Dust From Material Movement	—	—	—	—	—	—	5.1	5.1	—	2.6	2.6	—	—	—	—	—	—	—
Onsite truck	< 0.005	< 0.005	0.02	0.01	< 0.005	< 0.005	1.1	1.1	< 0.005	0.11	0.11	—	11	11	< 0.005	< 0.005	0.02	12
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.04	0.03	0.32	0.32	< 0.005	0.01	—	0.01	0.01	—	0.01	—	58	58	< 0.005	< 0.005	—	58
Dust From Material Movement	—	—	—	—	—	—	0.06	0.06	—	0.03	0.03	—	—	—	—	—	—	—

Onsite truck	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	0.01	0.01	< 0.005	< 0.005	< 0.005	—	0.12	0.12	< 0.005	< 0.005	< 0.005	0.13
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.01	0.01	0.06	0.06	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	—	9.6	9.6	< 0.005	< 0.005	—	9.6
Dust From Material Movement	—	—	—	—	—	—	0.01	0.01	—	0.01	0.01	—	—	—	—	—	—	—
Onsite truck	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	—	0.02	0.02	< 0.005	< 0.005	< 0.005	0.02
Offsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.06	0.06	0.05	0.92	0.00	0.00	0.23	0.23	0.00	0.05	0.05	—	228	228	< 0.005	0.01	0.79	231
Vendor	0.05	0.01	0.61	0.30	< 0.005	< 0.005	0.16	0.17	< 0.005	0.04	0.05	—	596	596	0.03	0.08	1.5	623
Hauling	0.13	0.02	1.5	0.68	0.01	0.02	0.34	0.36	0.02	0.10	0.11	—	1,285	1,285	0.10	0.20	2.6	1,351
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	< 0.005	< 0.005	< 0.005	0.01	0.00	0.00	< 0.005	< 0.005	0.00	< 0.005	< 0.005	—	2.4	2.4	< 0.005	< 0.005	< 0.005	2.4
Vendor	< 0.005	< 0.005	0.01	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	—	6.5	6.5	< 0.005	< 0.005	0.01	6.8
Hauling	< 0.005	< 0.005	0.02	0.01	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	—	14	14	< 0.005	< 0.005	0.01	15
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	< 0.005	< 0.005	< 0.005	< 0.005	0.00	0.00	< 0.005	< 0.005	0.00	< 0.005	< 0.005	—	0.40	0.40	< 0.005	< 0.005	< 0.005	0.40
Vendor	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	—	1.1	1.1	< 0.005	< 0.005	< 0.005	1.1
Hauling	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	—	2.3	2.3	< 0.005	< 0.005	< 0.005	2.4

3.5. Grading (2026) - Unmitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Location	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Onsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	2.0	1.6	15	17	0.03	0.65	—	0.65	0.59	—	0.59	—	2,960	2,960	0.12	0.02	—	2,970
Dust From Material Movement	—	—	—	—	—	—	1.9	1.9	—	0.89	0.89	—	—	—	—	—	—	—
Onsite truck	< 0.005	< 0.005	0.02	0.01	< 0.005	< 0.005	0.76	0.76	< 0.005	0.08	0.08	—	8.5	8.5	< 0.005	< 0.005	0.01	8.9
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.03	0.03	0.25	0.29	< 0.005	0.01	—	0.01	0.01	—	0.01	—	49	49	< 0.005	< 0.005	—	49
Dust From Material Movement	—	—	—	—	—	—	0.03	0.03	—	0.01	0.01	—	—	—	—	—	—	—
Onsite truck	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	0.01	0.01	< 0.005	< 0.005	< 0.005	—	0.14	0.14	< 0.005	< 0.005	< 0.005	0.15
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

Off-Road Equipment	0.01	< 0.005	0.04	0.05	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	—	8.1	8.1	< 0.005	< 0.005	—	8.1
Dust From Material Movement	—	—	—	—	—	—	0.01	0.01	—	< 0.005	< 0.005	—	—	—	—	—	—	—
Onsite truck	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	—	0.02	0.02	< 0.005	< 0.005	< 0.005	0.02
Offsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.05	0.05	0.05	0.79	0.00	0.00	0.20	0.20	0.00	0.05	0.05	—	195	195	< 0.005	0.01	0.68	198
Vendor	0.04	0.01	0.54	0.27	< 0.005	< 0.005	0.15	0.15	< 0.005	0.04	0.04	—	533	533	0.03	0.08	1.4	558
Hauling	0.91	0.14	11	4.9	0.06	0.12	2.5	2.6	0.12	0.69	0.81	—	9,285	9,285	0.70	1.5	19	9,760
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	< 0.005	< 0.005	< 0.005	0.01	0.00	0.00	< 0.005	< 0.005	0.00	< 0.005	< 0.005	—	3.1	3.1	< 0.005	< 0.005	< 0.005	3.1
Vendor	< 0.005	< 0.005	0.01	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	—	8.8	8.8	< 0.005	< 0.005	0.01	9.2
Hauling	0.01	< 0.005	0.19	0.08	< 0.005	< 0.005	0.04	0.04	< 0.005	0.01	0.01	—	153	153	0.01	0.02	0.13	160
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	< 0.005	< 0.005	< 0.005	< 0.005	0.00	0.00	< 0.005	< 0.005	0.00	< 0.005	< 0.005	—	0.51	0.51	< 0.005	< 0.005	< 0.005	0.52
Vendor	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	—	1.5	1.5	< 0.005	< 0.005	< 0.005	1.5
Hauling	< 0.005	< 0.005	0.03	0.01	< 0.005	< 0.005	0.01	0.01	< 0.005	< 0.005	< 0.005	—	25	25	< 0.005	< 0.005	0.02	27

3.7. Building Construction (2026) - Unmitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Location	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Onsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	1.3	1.1	9.9	13	0.02	0.38	—	0.38	0.35	—	0.35	—	2,397	2,397	0.10	0.02	—	2,405
Onsite truck	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	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.29	0.25	2.3	3.0	0.01	0.09	—	0.09	0.08	—	0.08	—	552	552	0.02	< 0.005	—	554
Onsite truck	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	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.05	0.04	0.41	0.54	< 0.005	0.02	—	0.02	0.01	—	0.01	—	91	91	< 0.005	< 0.005	—	92
Onsite truck	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	0.00
Offsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	< 0.005	< 0.005	< 0.005	0.07	0.00	0.00	0.02	0.02	0.00	< 0.005	< 0.005	—	18	18	< 0.005	< 0.005	0.06	19
Vendor	< 0.005	< 0.005	0.02	0.01	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	—	17	17	< 0.005	< 0.005	0.04	18

Hauling	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	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	< 0.005	< 0.005	< 0.005	0.02	0.00	0.00	< 0.005	< 0.005	0.00	< 0.005	< 0.005	—	4.1	4.1	< 0.005	< 0.005	0.01	4.1
Vendor	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	—	4.0	4.0	< 0.005	< 0.005	< 0.005	4.2
Hauling	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	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	< 0.005	< 0.005	< 0.005	< 0.005	0.00	0.00	< 0.005	< 0.005	0.00	< 0.005	< 0.005	—	0.68	0.68	< 0.005	< 0.005	< 0.005	0.69
Vendor	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	—	0.66	0.66	< 0.005	< 0.005	< 0.005	0.69
Hauling	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	0.00

3.9. Paving (2026) - Unmitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Location	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Onsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.81	0.68	6.2	8.8	0.01	0.26	—	0.26	0.24	—	0.24	—	1,350	1,350	0.05	0.01	—	1,355
Paving	0.10	0.10	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Onsite truck	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	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.03	0.03	0.24	0.34	< 0.005	0.01	—	0.01	0.01	—	0.01	—	52	52	< 0.005	< 0.005	—	52
Paving	< 0.005	< 0.005	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Onsite truck	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	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.01	< 0.005	0.04	0.06	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	—	8.6	8.6	< 0.005	< 0.005	—	8.6
Paving	< 0.005	< 0.005	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Onsite truck	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	0.00
Offsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.07	0.07	0.06	1.1	0.00	0.00	0.26	0.26	0.00	0.06	0.06	—	260	260	< 0.005	0.01	0.91	264
Vendor	< 0.005	< 0.005	0.06	0.03	< 0.005	< 0.005	0.02	0.02	< 0.005	< 0.005	0.01	—	63	63	< 0.005	0.01	0.16	66
Hauling	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	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	< 0.005	< 0.005	< 0.005	0.04	0.00	0.00	0.01	0.01	0.00	< 0.005	< 0.005	—	9.6	9.6	< 0.005	< 0.005	0.01	9.8
Vendor	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	—	2.4	2.4	< 0.005	< 0.005	< 0.005	2.5
Hauling	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	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	< 0.005	< 0.005	< 0.005	0.01	0.00	0.00	< 0.005	< 0.005	0.00	< 0.005	< 0.005	—	1.6	1.6	< 0.005	< 0.005	< 0.005	1.6

Vendor	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	—	0.40	0.40	< 0.005	< 0.005	< 0.005	0.42
Hauling	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	0.00

3.11. Architectural Coating (2026) - Unmitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Location	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Onsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.15	0.12	0.86	1.1	< 0.005	0.02	—	0.02	0.02	—	0.02	—	134	134	0.01	< 0.005	—	134
Architectural Coatings	4.3	4.3	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Onsite truck	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	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.01	< 0.005	0.03	0.04	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	—	5.1	5.1	< 0.005	< 0.005	—	5.1
Architectural Coatings	0.17	0.17	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Onsite truck	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	0.00

Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	< 0.005	< 0.005	0.01	0.01	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	—	0.85	0.85	< 0.005	< 0.005	—	0.85
Architectural Coatings	0.03	0.03	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Onsite truck	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	0.00
Offsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	< 0.005	< 0.005	< 0.005	0.01	0.00	0.00	< 0.005	< 0.005	0.00	< 0.005	< 0.005	—	3.7	3.7	< 0.005	< 0.005	0.01	3.7
Vendor	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	0.00
Hauling	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	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	< 0.005	< 0.005	< 0.005	< 0.005	0.00	0.00	< 0.005	< 0.005	0.00	< 0.005	< 0.005	—	0.14	0.14	< 0.005	< 0.005	< 0.005	0.14
Vendor	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	0.00
Hauling	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	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	< 0.005	< 0.005	< 0.005	< 0.005	0.00	0.00	< 0.005	< 0.005	0.00	< 0.005	< 0.005	—	0.02	0.02	< 0.005	< 0.005	< 0.005	0.02
Vendor	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	0.00
Hauling	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	0.00

5. Activity Data

5.1. Construction Schedule

Phase Name	Phase Type	Start Date	End Date	Days Per Week	Work Days per Phase	Phase Description
Demolition	Demolition	4/1/2026	4/22/2026	5.0	16	—
Site Preparation	Site Preparation	4/23/2026	4/28/2026	5.0	4.0	—
Grading	Grading	4/29/2026	5/6/2026	5.0	6.0	—
Building Construction	Building Construction	5/7/2026	9/1/2026	5.0	84	—
Paving	Paving	8/13/2026	9/1/2026	5.0	14	—
Architectural Coating	Architectural Coating	8/13/2026	9/1/2026	5.0	14	—

5.2. Off-Road Equipment

5.2.1. Unmitigated

Phase Name	Equipment Type	Fuel Type	Engine Tier	Number per Day	Hours Per Day	Horsepower	Load Factor
Demolition	Concrete/Industrial Saws	Diesel	Average	1.00	8.0	33	0.73
Demolition	Excavators	Diesel	Average	3.0	8.0	36	0.38
Demolition	Rubber Tired Dozers	Diesel	Average	2.0	8.0	367	0.40
Site Preparation	Rubber Tired Dozers	Diesel	Average	3.0	8.0	367	0.40
Site Preparation	Tractors/Loaders/Backhoes	Diesel	Average	4.0	8.0	84	0.37
Grading	Excavators	Diesel	Average	1.00	8.0	36	0.38
Grading	Graders	Diesel	Average	1.00	8.0	148	0.41
Grading	Rubber Tired Dozers	Diesel	Average	1.00	8.0	367	0.40
Grading	Tractors/Loaders/Backhoes	Diesel	Average	3.0	8.0	84	0.37
Building Construction	Cranes	Diesel	Average	1.00	7.0	367	0.29
Building Construction	Forklifts	Diesel	Average	3.0	8.0	82	0.20
Building Construction	Generator Sets	Diesel	Average	1.00	8.0	14	0.74

Building Construction	Tractors/Loaders/Backhoes	Diesel	Average	3.0	7.0	84	0.37
Building Construction	Welders	Diesel	Average	1.00	8.0	46	0.45
Paving	Cement and Mortar Mixers	Diesel	Average	2.0	6.0	10.0	0.56
Paving	Pavers	Diesel	Average	1.00	8.0	81	0.42
Paving	Paving Equipment	Diesel	Average	2.0	6.0	89	0.36
Paving	Rollers	Diesel	Average	2.0	6.0	36	0.38
Paving	Tractors/Loaders/Backhoes	Diesel	Average	1.00	8.0	84	0.37
Architectural Coating	Air Compressors	Diesel	Average	1.00	6.0	37	0.48

5.3. Construction Vehicles

5.3.1. Unmitigated

Phase Name	Trip Type	One-Way Trips per Day	Miles per Trip	Vehicle Mix
Demolition	Worker	15	19	LDA,LDT1,LDT2
Demolition	Vendor	8.0	10	HHDT,MHDT
Demolition	Hauling	4.1	20	HHDT
Demolition	Onsite truck	1.00	0.83	HHDT
Site Preparation	Worker	18	19	LDA,LDT1,LDT2
Site Preparation	Vendor	19	10	HHDT,MHDT
Site Preparation	Hauling	19	20	HHDT
Site Preparation	Onsite truck	1.00	2.9	HHDT
Grading	Worker	15	19	LDA,LDT1,LDT2
Grading	Vendor	17	10	HHDT,MHDT
Grading	Hauling	136	20	HHDT
Grading	Onsite truck	1.00	2.1	HHDT
Building Construction	Worker	1.4	19	LDA,LDT1,LDT2

Building Construction	Vendor	0.55	10	HHDT,MHDT
Building Construction	Hauling	0.00	20	HHDT
Building Construction	Onsite truck	—	—	HHDT
Paving	Worker	20	19	LDA,LDT1,LDT2
Paving	Vendor	2.0	10	HHDT,MHDT
Paving	Hauling	0.00	20	HHDT
Paving	Onsite truck	—	—	HHDT
Architectural Coating	Worker	0.28	19	LDA,LDT1,LDT2
Architectural Coating	Vendor	—	10	HHDT,MHDT
Architectural Coating	Hauling	0.00	20	HHDT
Architectural Coating	Onsite truck	—	—	HHDT

5.4. Vehicles

5.4.1. Construction Vehicle Control Strategies

Control Strategies Applied	PM10 Reduction	PM2.5 Reduction
Water unpaved roads twice daily	55%	55%
Limit vehicle speeds on unpaved roads to 25 mph	44%	44%
Sweep paved roads once per month	9%	9%

5.5. Architectural Coatings

Phase Name	Residential Interior Area Coated (sq ft)	Residential Exterior Area Coated (sq ft)	Non-Residential Interior Area Coated (sq ft)	Non-Residential Exterior Area Coated (sq ft)	Parking Area Coated (sq ft)
Architectural Coating	0.00	0.00	5,048	1,683	6,391

5.6. Dust Mitigation

5.6.1. Construction Earthmoving Activities

Phase Name	Material Imported (Cubic Yards)	Material Exported (Cubic Yards)	Acres Graded (acres)	Material Demolished (Ton of Debris)	Acres Paved (acres)
Demolition	0.00	0.00	0.00	261	0.00
Site Preparation	—	600	6.0	0.00	0.00
Grading	—	6,500	6.0	0.00	0.00
Paving	0.00	0.00	0.00	0.00	2.4

5.6.2. Construction Earthmoving Control Strategies

Control Strategies Applied	Frequency (per day)	PM10 Reduction	PM2.5 Reduction
Water Exposed Area	3	74%	74%
Water Demolished Area	2	36%	36%

5.7. Construction Paving

Phase Name	Land Use	Area Paved (acres)	% Asphalt
Paving	High School	0.00	0%
Paving	Other Non-Asphalt Surfaces	0.08	0%
Paving	Other Non-Asphalt Surfaces	1.8	0%
Paving	Other Asphalt Surfaces	0.55	100%

5.8. Construction Electricity Consumption and Emissions Factors

kWh per Year and Emission Factor (lb/MWh)

Year	kWh per Year	CO2	CH4	N2O
2026	0.00	532	0.03	< 0.005

8. User Changes to Default Data

8.1. Justifications

Screen	Justification
Land Use	Lot acreage of educational- high school land use adjusted to account for landscaping.
Construction: Construction Phases	Durations adjusted to account for District-provided timeframe for this phase of the project.
Operations: Vehicle Data	The project would not generate new trips to the project site.
Operations: Energy Use	The project would not consume natural gas; default natural gas is converted to electricity for this model.
Operations: Water and Waste Water	Assume 100% aerobic treatment.

Troy HS Improvements Regional Construction Emissions Worksheet:

Seismic Upgrades/Modernizatio

3.1. Installation of Interim Buildings (2026) - Unmitigated

		ROG	NOx	CO	SO_2	PM10 Total	PM2.5Total
Onsite		**Summer**					
	Off-Road Equipment	0.37	3.45	3.07	0.01	0.14	0.13
	Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00
	Total	**0.37**	**3.45**	**3.07**	**0.01**	**0.14**	**0.13**
Offsite							
	Worker	0.17	0.15	2.64	0.00	0.66	0.15
	Vendor	0.10	4.60	2.30	0.03	1.26	0.37
	Hauling	0.02	1.97	0.87	0.01	0.46	0.14
	Total	**0.29**	**6.72**	**5.81**	**0.04**	**2.38**	**0.67**
TOTAL		***0.66***	***10.16***	***8.88***	***0.05***	***2.52***	***0.80***

3.3. Seismic Upgrades/Modernization (Phase 1) (2026) - Unmitigated

		ROG	NOx	CO	SO_2	PM10 Total	PM2.5Total
Onsite		**Summer**					
	Off-Road Equipment	0.99	8.90	10.69	0.02	0.32	0.29
	Demolition	0.00	0.00	0.00	0.00	0.61	0.09
	Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00
	Total	**0.99**	**8.90**	**10.69**	**0.02**	**0.93**	**0.38**
Offsite							
	Worker	0.17	0.15	2.64	0.00	0.66	0.15
	Vendor	0.01	0.62	0.31	0.00	0.17	0.05
	Hauling	0.01	0.93	0.41	0.01	0.21	0.07
	Total	**0.19**	**1.70**	**3.36**	**0.01**	**1.04**	**0.27**
TOTAL		***1.19***	***10.60***	***14.05***	***0.03***	***1.97***	***0.65***

3.5. Seismic Upgrades/Modernization (Phase 2 and 3) (2027) - Unmitigated

		ROG	NOx	CO	SO_2	PM10 Total	PM2.5Total
Onsite		**Summer**					
	Off-Road Equipment	0.95	8.53	10.64	0.02	0.28	0.26
	Demolition	0.00	0.00	0.00	0.00	0.07	0.01
	Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00
	Total	**0.95**	**8.53**	**10.64**	**0.02**	**0.35**	**0.27**
Offsite							
	Worker	0.14	0.15	2.48	0.00	0.66	0.15
	Vendor	0.01	0.60	0.30	0.00	0.17	0.05
	Hauling	0.00	0.10	0.04	0.00	0.02	0.01
	Total	**0.16**	**0.85**	**2.82**	**0.00**	**0.85**	**0.21**
TOTAL		***1.11***	***9.38***	***13.46***	***0.03***	***1.20***	***0.48***

3.7. Seismic Upgrades/Modernization (Phase 2 and 3) (2028) - Unmitigated

		ROG	NOx	CO	SO_2	PM10 Total	PM2.5Total
Onsite		**Summer**					
	Off-Road Equipment	0.91	8.09	10.62	0.02	0.25	0.23
	Demolition	0.00	0.00	0.00	0.00	0.07	0.01
	Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00
	Total	**0.91**	**8.09**	**10.62**	**0.02**	**0.32**	**0.24**
Offsite							
	Worker	0.14	0.13	2.34	0.00	0.66	0.15
	Vendor	0.01	0.58	0.29	0.00	0.17	0.05
	Hauling	0.00	0.10	0.04	0.00	0.02	0.01
	Total	**0.15**	**0.80**	**2.67**	**0.00**	**0.85**	**0.21**
TOTAL		***1.06***	***8.89***	***13.29***	***0.03***	***1.17***	***0.45***

3.9. Removal of Interim Buildings (2028) - Unmitigated

		ROG	NOx	CO	SO_2	PM10 Total	PM2.5Total
Onsite		**Summer**					
	Off-Road Equipment	0.35	3.01	3.06	0.01	0.12	0.11
	Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00
	Total	**0.35**	**3.01**	**3.06**	**0.01**	**0.12**	**0.11**
Offsite							
	Worker	0.14	0.13	2.34	0.00	0.66	0.15
	Vendor	0.09	4.24	2.12	0.03	1.26	0.37
	Hauling	0.02	1.83	0.83	0.01	0.46	0.14
	Total	**0.25**	**6.20**	**5.29**	**0.04**	**2.38**	**0.67**
TOTAL		***0.60***	***9.20***	***8.34***	***0.05***	***2.50***	***0.78***

3.11. Architectural Coating (Phase 1) (2026) - Unmitigated

		ROG	NOx	CO	SO_2	PM10 Total	PM2.5Total
Onsite		**Summer**					
	Off-Road Equipment	0.00	0.00	0.00	0.00	0.00	0.00
	Architectural Coatings	52.03	0.00	0.00	0.00	0.00	0.00
	Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00
	Total	**52.03**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**
Offsite							
	Worker	0.14	0.12	2.11	0.00	0.52	0.12
	Vendor	0.00	0.00	0.00	0.00	0.00	0.00
	Hauling	0.00	0.00	0.00	0.00	0.00	0.00
	Total	**0.14**	**0.12**	**2.11**	**0.00**	**0.52**	**0.12**
TOTAL		***52.17***	***0.12***	***2.11***	***0.00***	***0.52***	***0.12***

3.13. Architectural Coating (Phases 2 and 3) (2028) - Unmitigated

		ROG	NOx	CO	SO_2	PM10 Total	PM2.5Total
Onsite		**Summer**					
	Off-Road Equipment	0.00	0.00	0.00	0.00	0.00	0.00
	Architectural Coatings	48.56	0.00	0.00	0.00	0.00	0.00
	Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00
	Total	**48.56**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**
Offsite							
	Worker	0.11	0.10	1.87	0.00	0.52	0.12
	Vendor	0.00	0.06	0.03	0.00	0.02	0.01
	Hauling	0.00	0.00	0.00	0.00	0.00	0.00
	Total	**0.11**	**0.16**	**1.90**	**0.00**	**0.54**	**0.13**
TOTAL		***48.67***	***0.16***	***1.90***	***0.00***	***0.54***	***0.13***

Field Improvements

3.1. Demolition (2026) - Unmitigated

		ROG	NOx	CO	SO_2	PM10 Total	PM2.5Total
Onsite		**Summer**					
	Off-Road Equipment	2.30	21.00	19.00	0.03	0.84	0.78
	Demolition	0.00	0.00	0.00	0.00	0.22	0.03
	Onsite truck	< 0.005	0.02	0.01	< 0.005	0.31	0.03
	Total	**2.30**	**21.00**	**19.00**	**0.03**	**1.06**	**0.81**
Offsite							
	Worker	0.05	0.05	0.79	0.00	0.20	0.05
	Vendor	0.01	0.26	0.13	< 0.005	0.07	0.02
	Hauling	< 0.005	0.34	0.15	< 0.005	0.08	0.02
	Total	**0.06**	**0.65**	**1.07**	**0.00**	**0.35**	**0.09**
TOTAL		***2.36***	***21.65***	***20.07***	***0.03***	***1.41***	***0.90***

3.3. Site Preparation (2026) - Unmitigated

		ROG	NOx	CO	SO_2	PM10 Total	PM2.5Total
Onsite		**Summer**					
	Off-Road Equipment	3.10	29.00	29.00	0.05	1.20	1.10
	Dust From Material Movement	0.00	0.00	0.00	0.00	7.70	3.90
	Onsite truck	< 0.005	0.02	0.01	< 0.005	1.10	0.11
	Total	**3.10**	**29.02**	**29.01**	**0.05**	**10.00**	**5.11**
Offsite							
	Worker	0.06	0.05	0.92	0.00	0.23	0.05
	Vendor	0.01	0.61	0.30	< 0.005	0.17	0.05
	Hauling	0.02	1.50	0.68	0.01	0.36	0.11
	Total	**0.09**	**2.16**	**1.90**	**0.01**	**0.76**	**0.21**
TOTAL		***3.19***	***31.18***	***30.91***	***0.06***	***10.76***	***5.32***

3.5. Grading (2026) - Unmitigated

		ROG	NOx	CO	SO_2	PM10 Total	PM2.5Total
Onsite		**Summer**					
	Off-Road Equipment	1.60	15.00	17.00	0.03	0.65	0.59
	Dust From Material Movement	0.00	0.00	0.00	0.00	2.80	1.30
	Onsite truck	< 0.005	0.02	0.01	< 0.005	0.76	0.08
	Total	**1.60**	**15.02**	**17.01**	**0.03**	**4.21**	**1.97**
Offsite							
	Worker	0.05	0.05	0.79	0.00	0.20	0.05
	Vendor	0.01	0.54	0.27	< 0.005	0.15	0.04
	Hauling	0.14	11.00	4.90	0.06	2.60	0.81
	Total	**0.20**	**11.59**	**5.96**	**0.06**	**2.95**	**0.90**
TOTAL		***1.80***	***26.61***	***22.97***	***0.09***	***7.16***	***2.87***

3.7. Building Construction (2026) - Unmitigated							
		ROG	NOx	CO	SO_2	PM10 Total	PM2.5Total
Onsite		**Summer**					
	Off-Road Equipment	1.10	9.90	13.00	0.02	0.38	0.35
	Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00
	Total	**1.10**	**9.90**	**13.00**	**0.02**	**0.38**	**0.35**
Offsite							
	Worker	< 0.005	< 0.005	0.07	0.00	0.02	< 0.005
	Vendor	< 0.005	0.02	0.01	< 0.005	< 0.005	< 0.005
	Hauling	0.00	0.00	0.00	0.00	0.00	0.00
	Total	**0.00**	**0.02**	**0.08**	**0.00**	**0.02**	**0.00**
TOTAL		***1.10***	***9.92***	***13.08***	***0.02***	***0.40***	***0.35***

3.9. Paving (2026) - Unmitigated							
		ROG	NOx	CO	SO_2	PM10 Total	PM2.5Total
Onsite		**Summer**					
	Off-Road Equipment	0.68	6.20	8.80	0.01	0.26	0.24
	Paving	0.10	0.00	0.00	0.00	0.00	0.00
	Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00
	Total	**0.78**	**6.20**	**8.80**	**0.01**	**0.26**	**0.24**
Offsite							
	Worker	0.07	0.06	1.10	0.00	0.26	0.06
	Vendor	< 0.005	0.06	0.03	< 0.005	0.02	0.01
	Hauling	0.00	0.00	0.00	0.00	0.00	0.00
	Total	**0.07**	**0.12**	**1.13**	**0.00**	**0.28**	**0.07**
TOTAL		***0.85***	***6.32***	***9.93***	***0.01***	***0.54***	***0.31***

3.11. Architectural Coating (2026) - Unmitigated							
		ROG	NOx	CO	SO_2	PM10 Total	PM2.5Total
Onsite		**Summer**					
	Off-Road Equipment	0.12	0.86	1.10	< 0.005	0.02	0.02
	Architectural Coatings	4.30	0.00	0.00	0.00	0.00	0.00
	Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00
	Total	**4.42**	**0.86**	**1.10**	**0.00**	**0.02**	**0.02**
Offsite							
	Worker	< 0.005	< 0.005	0.01	0.00	< 0.005	< 0.005
	Vendor	0.00	0.00	0.00	0.00	0.00	0.00
	Hauling	0.00	0.00	0.00	0.00	0.00	0.00
	Total	**0.00**	**0.00**	**0.01**	**0.00**	**0.00**	**0.00**
TOTAL		***4.42***	***0.86***	***1.11***	***0.00***	***0.02***	***0.02***

Seismic Upgrades/Modernization	ROG	NOx	CO	SO2	PM10 Total	PM2.5 Total
Installation of Interim Buildings (2026)	***1***	***10***	***9***	***0***	***3***	***1***
Seismic Upgrades/Modernization Phase 1 (2026)	***1***	***11***	***14***	***0***	***2***	***1***
Seismic Upgrades/Modernization Phases 2 and 3 (2027)	***1***	***9***	***13***	***0***	***1***	***0***
Seismic Upgrades/Modernization Phases 2 and 3 (2028)	***1***	***9***	***13***	***0***	***1***	***0***
Removal of Interim Buildings (2028)	***1***	***9***	***8***	***0***	***2***	***1***
Architectural Coating Phase 1 (2026)	***52***	***0***	***2***	***0***	***1***	***0***
Architectural Coating Phases 2 and 3 (2028)	***49***	***0***	***2***	***0***	***1***	***0***
Field Improvements						
Demolition (2026)	***2***	***22***	***20***	***0***	***1***	***1***
Site Preparation (2026)	***3***	***31***	***31***	***0***	***11***	***5***
Grading (2026)	***2***	***27***	***23***	***0***	***7***	***3***
Building Construction (2026)	***1***	***10***	***13***	***0***	***0***	***0***
Paving (2026)	***1***	***6***	***10***	***0***	***1***	***0***
Architectural Coating (2026)	***4***	***1***	***1***	***0***	***0***	***0***
Overlaps						
Installation of Interim Buildings & Field Improvements Construction Overlap (2026)	***2***	***20***	***22***	***0***	***3***	***1***
Seismic Upgrades/Modernization Construction and Architectural Coating (Phase 1) & Field Building Construction, Paving, and Architectural Coating Overlap (2026)	***60***	***28***	***40***	***0***	***3***	***1***
Seismic Upgrades/Modernization Construction and Architectural Coating (Phases 2 and 3) Overlap (2028)	***50***	***9***	***15***	***0***	***2***	***1***

MAX DAILY	**60**	**31**	**40**	**0**	**11**	**5**
Regional Thresholds	**75**	**100**	**550**	**150**	**150**	**55**
Exceeds Thresholds?	No	No	No	No	No	No

Troy HS Improvements Construction LST Worksheet:

Seismic Upgrades/Modernization

3.1. Installation of Interim Buildings (2026) - Unmitigated

	NOx	CO	PM10 Total	PM2.5Total
Onsite				
Off-Road Equipment	3.45	3.07	0.14	0.13
Onsite truck	0.00	0.00	0.00	0.00
Total	**3.45**	**3.07**	**0.14**	**0.13**

3.3. Seismic Upgrades/Modernization (Phase 1) (2026) - Unmitigated

	NOx	CO	PM10 Total	PM2.5Total
Onsite				
Off-Road Equipment	8.90	10.69	0.32	0.29
Demolition	0.00	0.00	0.61	0.09
Onsite truck	0.00	0.00	0.00	0.00
Total	**8.90**	**10.69**	**0.93**	**0.38**

3.5. Seismic Upgrades/Modernization (Phase 2 and 3) (2027) - Unmitigated

	NOx	CO	PM10 Total	PM2.5Total
Onsite				
Off-Road Equipment	8.53	10.64	0.28	0.26
Demolition	0.00	0.00	0.07	0.01
Onsite truck	0.00	0.00	0.00	0.00
Total	**8.53**	**10.64**	**0.35**	**0.27**

3.7. Seismic Upgrades/Modernization (Phase 2 and 3) (2028) - Unmitigated

	NOx	CO	PM10 Total	PM2.5Total
Onsite				
Off-Road Equipment	8.09	10.62	0.25	0.23
Demolition	0.00	0.00	0.07	0.01
Onsite truck	0.00	0.00	0.00	0.00
Total	**8.09**	**10.62**	**0.32**	**0.24**

3.9. Removal of Interim Buildings (2028) - Unmitigated

	NOx	CO	PM10 Total	PM2.5Total
Onsite				
Off-Road Equipment	3.01	3.06	0.12	0.11
Onsite truck	0.00	0.00	0.00	0.00
Total	**3.01**	**3.06**	**0.12**	**0.11**

3.11. Architectural Coating (Phase 1) (2026) - Unmitigated

	NOx	CO	PM10 Total	PM2.5Total
Onsite				
Off-Road Equipment	0.00	0.00	0.00	0.00
Architectural Coatings	0.00	0.00	0.00	0.00
Onsite truck	0.00	0.00	0.00	0.00
Total	**0.00**	**0.00**	**0.00**	**0.00**

3.13. Architectural Coating (Phases 2 and 3) (2028) - Unmitigated

	NOx	CO	PM10 Total	PM2.5Total
Onsite				
Off-Road Equipment	0.00	0.00	0.00	0.00
Architectural Coatings	0.00	0.00	0.00	0.00
Onsite truck	0.00	0.00	0.00	0.00
Total	**0.00**	**0.00**	**0.00**	**0.00**

Field Improvements

3.1. Demolition (2026) - Unmitigated

	NOx	CO	PM10 Total	PM2.5Total
Onsite				
Off-Road Equipment	21.00	19.00	0.84	0.78
Demolition	0.00	0.00	0.22	0.03
Onsite truck	0.02	0.01	0.31	0.03
Total	**21.00**	**19.00**	**1.06**	**0.81**

3.3. Site Preparation (2026) - Unmitigated

	NOx	CO	PM10 Total	PM2.5Total
Onsite				
Off-Road Equipment	29.00	29.00	1.20	1.10
Dust From Material Movement	0.00	0.00	7.70	3.90
Onsite truck	0.02	0.01	1.10	0.11
Total	**29.02**	**29.01**	**10.00**	**5.11**

3.5. Grading (2026) - Unmitigated

	NOx	CO	PM10 Total	PM2.5Total
Onsite				
Off-Road Equipment	15.00	17.00	0.65	0.59
Dust From Material Movement	0.00	0.00	2.80	1.30
Onsite truck	0.02	0.01	0.76	0.08
Total	**15.02**	**17.01**	**4.21**	**1.97**

3.7. Building Construction (2026) - Unmitigated

	NOx	CO	PM10 Total	PM2.5Total
Onsite				
Off-Road Equipment	9.90	13.00	0.38	0.35
Onsite truck	0.00	0.00	0.00	0.00
Total	**9.90**	**13.00**	**0.38**	**0.35**

3.9. Paving (2026) - Unmitigated

	NOx	CO	PM10 Total	PM2.5Total
Onsite				
Off-Road Equipment	6.20	8.80	0.26	0.24
Paving	0.00	0.00	0.00	0.00
Onsite truck	0.00	0.00	0.00	0.00
Total	**6.20**	**8.80**	**0.26**	**0.24**

3.11. Architectural Coating (2026) - Unmitigated

	NOx	CO	PM10 Total	PM2.5Total
Onsite				
Off-Road Equipment	0.86	1.10	0.02	0.02
Architectural Coatings	0.00	0.00	0.00	0.00
Onsite truck	0.00	0.00	0.00	0.00
Total	**0.86**	**1.10**	**0.02**	**0.02**

	NOx	CO	PM10 Total	PM2.5 Total
Demolition (2026)	*21*	*19*	*1*	*1*
1.00 Acre LST	*103*	*522*	*4.00*	*3.00*
Exceeds LST?	*no*	*no*	*no*	*no*
Site Preparation (2026)	*29*	*29*	*10*	*5*
3.5 Acre LST	*184*	*1,037*	*8.50*	*5.00*
Exceeds LST?	*no*	*no*	*yes*	*yes*
Grading (2026)	*15*	*17*	*4*	*2*
2.5 Acre LST	*159*	*854*	*6.83*	*4.33*
Exceeds LST?	*no*	*no*	*no*	*no*
Installation of Interim Buildings & Field Improvements Construction Overlap (2026)	*13*	*16*	*1*	*0*
1.31 Acre LST	*117*	*597*	*4.63*	*3.31*
Exceeds LST?	*no*	*no*	*no*	*no*
Seismic Upgrades/Modernization Construction and Architectural Coating (Phase 1) & Field Building Construction, Paving, and Architectural Coating Overlap (2026)	*26*	*34*	*2*	*1*
2.19 Acre LST	*152*	*796*	*6.31*	*4.13*
Exceeds LST?	*no*	*no*	*no*	*no*
Seismic Upgrades/Modernization Phases 2 and 3 (2027)	*9*	*11*	*0*	*0*
≤ 1.00 Acre LST	*103*	*522*	*4.00*	*3.00*
Exceeds LST?	*no*	*no*	*no*	*no*
Seismic Upgrades/Modernization Construction and Architectural Coating (Phases 2 and 3) Overlap (2028)	*8*	*11*	*0*	*0*
≤ 1.00 Acre LST	*103*	*522*	*4.00*	*3.00*
Exceeds LST?	*no*	*no*	*no*	*no*
Removal of Interim Buildings (2028)	*3*	*3*	*0*	*0*
≤ 1.00 Acre LST	*103*	*522*	*4.00*	*3.00*
Exceeds LST?	*no*	*no*	*no*	*no*

Troy HS Improvements Construction LST Worksheet:

Seismic Upgrades/Modernization

3.1. Installation of Interim Buildings (2026) - Unmitigated

	NOx	CO	PM10 Total	PM2.5Total
Onsite				
Off-Road Equipment	3.45	3.07	0.14	0.13
Onsite truck	0.00	0.00	0.00	0.00
Total	**3.45**	**3.07**	**0.14**	**0.13**

3.3. Seismic Upgrades/Modernization (Phase 1) (2026) - Unmitigated

	NOx	CO	PM10 Total	PM2.5Total
Onsite				
Off-Road Equipment	8.90	10.69	0.32	0.29
Demolition	0.00	0.00	0.61	0.09
Onsite truck	0.00	0.00	0.00	0.00
Total	**8.90**	**10.69**	**0.93**	**0.38**

3.5. Seismic Upgrades/Modernization (Phase 2 and 3) (2027) - Unmitigated

	NOx	CO	PM10 Total	PM2.5Total
Onsite				
Off-Road Equipment	8.53	10.64	0.28	0.26
Demolition	0.00	0.00	0.07	0.01
Onsite truck	0.00	0.00	0.00	0.00
Total	**8.53**	**10.64**	**0.35**	**0.27**

3.7. Seismic Upgrades/Modernization (Phase 2 and 3) (2028) - Unmitigated

	NOx	CO	PM10 Total	PM2.5Total
Onsite				
Off-Road Equipment	8.09	10.62	0.25	0.23
Demolition	0.00	0.00	0.07	0.01
Onsite truck	0.00	0.00	0.00	0.00
Total	**8.09**	**10.62**	**0.32**	**0.24**

3.9. Removal of Interim Buildings (2028) - Unmitigated

	NOx	CO	PM10 Total	PM2.5Total
Onsite				
Off-Road Equipment	3.01	3.06	0.12	0.11
Onsite truck	0.00	0.00	0.00	0.00
Total	**3.01**	**3.06**	**0.12**	**0.11**

3.11. Architectural Coating (Phase 1) (2026) - Unmitigated

	NOx	CO	PM10 Total	PM2.5Total
Onsite				
Off-Road Equipment	0.00	0.00	0.00	0.00
Architectural Coatings	0.00	0.00	0.00	0.00
Onsite truck	0.00	0.00	0.00	0.00
Total	**0.00**	**0.00**	**0.00**	**0.00**

3.13. Architectural Coating (Phases 2 and 3) (2028) - Unmitigated

	NOx	CO	PM10 Total	PM2.5Total
Onsite				
Off-Road Equipment	0.00	0.00	0.00	0.00
Architectural Coatings	0.00	0.00	0.00	0.00
Onsite truck	0.00	0.00	0.00	0.00
Total	**0.00**	**0.00**	**0.00**	**0.00**

Field Improvements

3.1. Demolition (2026) - Unmitigated

	NOx	CO	PM10 Total	PM2.5Total
Onsite				
Off-Road Equipment	21.00	19.00	0.84	0.78
Demolition	0.00	0.00	0.22	0.03
Onsite truck	0.02	0.01	0.31	0.03
Total	**21.00**	**19.00**	**1.06**	**0.81**

3.3. Site Preparation (2026) - Unmitigated

	NOx	CO	PM10 Total	PM2.5Total
Onsite				
Off-Road Equipment	29.00	29.00	1.20	1.10
Dust From Material Movement	0.00	0.00	5.10	2.60
Onsite truck	0.02	0.01	1.10	0.11
Total	**29.02**	**29.01**	**7.40**	**3.81**

3.5. Grading (2026) - Unmitigated

	NOx	CO	PM10 Total	PM2.5Total
Onsite				
Off-Road Equipment	15.00	17.00	0.65	0.59
Dust From Material Movement	0.00	0.00	1.90	0.89
Onsite truck	0.02	0.01	0.76	0.08
Total	**15.02**	**17.01**	**3.31**	**1.56**

3.7. Building Construction (2026) - Unmitigated

	NOx	CO	PM10 Total	PM2.5Total
Onsite				
Off-Road Equipment	9.90	13.00	0.38	0.35
Onsite truck	0.00	0.00	0.00	0.00
Total	**9.90**	**13.00**	**0.38**	**0.35**

3.9. Paving (2026) - Unmitigated

	NOx	CO	PM10 Total	PM2.5Total
Onsite				
Off-Road Equipment	6.20	8.80	0.26	0.24
Paving	0.00	0.00	0.00	0.00
Onsite truck	0.00	0.00	0.00	0.00
Total	**6.20**	**8.80**	**0.26**	**0.24**

3.11. Architectural Coating (2026) - Unmitigated

	NOx	CO	PM10 Total	PM2.5Total
Onsite				
Off-Road Equipment	0.86	1.10	0.02	0.02
Architectural Coatings	0.00	0.00	0.00	0.00
Onsite truck	0.00	0.00	0.00	0.00
Total	**0.86**	**1.10**	**0.02**	**0.02**

	NOx	**CO**	**PM10 Total**	**PM2.5 Total**
Site Preparation (2026)	***29***	***29***	***7***	***4***
3.5 Acre LST	***184***	***1,037***	***8.50***	***5.00***
Exceeds LST?	***no***	***no***	***no***	***no***

Regional Operation Emissions Worksheet

[1] CalEEMod, Version 2022.1.

Field Improvements

Summer

	ROG	NOx	CO	SO2	PM10 Total	PM2.5 Total
Mobile	0.00	0.00	0.00	0.00	0.00	0.00
Area	0.12	< 0.005	0.15	< 0.005	< 0.005	< 0.005
Energy	0.00	0.00	0.00	0.00	0.00	0.00
Total	**0.12**	**0.00**	**0.15**	**0.00**	**0.00**	**0.00**

Winter

	ROG	NOx	CO	SO2	PM10 Total	PM2.5 Total
Mobile	0.00	0.00	0.00	0.00	0.00	0.00
Area	0.10	0.00	0.00	0.00	0.00	0.00
Energy	0.00	0.00	0.00	0.00	0.00	0.00
Total	**0.10**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**

Max Daily

	ROG	NOx	CO	SO2	PM10 Total	PM2.5 Total
Mobile	0.00	0.00	0.00	0.00	0.00	0.00
Area	0.12	0.00	0.15	0.00	0.00	0.00
Energy	0.00	0.00	0.00	0.00	0.00	0.00
Total	**0.12**	**0.00**	**0.15**	**0.00**	**0.00**	**0.00**
Regional Thresholds (lb/day)	**55**	**55**	**550**	**150**	**150**	**55**
Exceeds Thresholds?	No	No	No	No	No	No

Troy HS Improvements Project: GHG Emissions Inventory

Construction[1]

	Seismic Upgrades/Modernization & Field Improvements
	$MTCO_2e$
2026	240
2027	304
2028	248
Total Construction	**792**
30-Year Amortization[2]	**26**

[1] CalEEMod, Version 2022.1.

[2] Total construction emissions are amortized over 30 years per SCAQMD methodology; SCAQMD. 2009, November 19. Greenhouse Gases (GHG) CEQA Significance Thresholds Working Group Meeting 14. http://www.aqmd.gov/docs/default-source/ceqa/handbook/greenhouse-gases-(ghg)-ceqa-significance-thresholds/year-2008-2009/ghg-meeting-14/ghg-meeting-14-main-presentation.pdf?sfvrsn=2.

Operation[1]

Field Improvements	$MTCO_2e$/Year[2]	
	Operations	**%**
Mobile	0.00	0%
Area	0.07	0%
Energy	5.10	12%
Water	2.30	5%
Solid Waste	1.40	3%
Refrigerants	0.01	0%
School Field Lightings[3]	8.18	19%
30-Year Construction Amortization	26	61%
	43	100%
South Coast AQMD Bright-Line Screening Threshold	**3,000**	
Exceed Threshold?	**No**	

[1] CalEEMod, Version 2022.1.; Includes field improvements only since operational emissions of the school buildings undergoing the seismic upgrades/modernization would be the same as existing conditions.

[2] MTCO2e=metric tons of carbon dioxide equivalent.

[3] Includes GHG calculations from proposed field lighting.

Construction Localized Significance Thresholds: Siesmic Upgrades ≤ 1.00 acre

		NOx & CO		*PM10 & PM2.5*		
SRA No.	Acres	Source Receptor Distance (meters)	Source Receptor Distance (Feet)	Source Receptor Distance (meters)	Source Receptor Distance (Feet)	Construction / Project Site Size (Acres)
16	0.38	25	82	25	82	2.74

Source Receptor	**North Orange County**	**Equipment**	**Acres/8-hr Day**		**Daily hours**	**Equipment Used**	**Acres**
Distance (meters)	25						
NOx	**103**	Tractors	0.5	0.0625	6	1	0.375
CO	**522**	Graders	0.5	0.0625			0
PM10	**4.00**	Dozers	0.5	0.0625			0
PM2.5	**3.00**	Scrapers	1	0.125			0
						Acres	0.38

	Acres	**25**	**50**	**100**	**200**	**500**
NOx	1	103	104	121	159	252
	1	103	104	121	159	252
		103	104	121	159	252
CO	1	522	685	1014	1975	6531
	1	522	685	1014	1975	6531
		522	685	1014	1975	6531
PM10	1	4	10	24	53	137
	1	4	10	24	53	137
		4	10	24	53	137
PM2.5	1	3	4	9	20	74
	1	3	4	9	20	74
		3	4	9	20	74

North Orange County

0.38 Acres

	25	**50**	**100**	**200**	**500**
NOx	103	104	121	159	252
CO	522	685	1014	1975	6531
PM10	4	10	24	53	137
PM2.5	3	4	9	20	74

Acre Below		**Acre Above**	
SRA No.	Acres	SRA No.	Acres
16	1	16	1
Distance Increment Below			
25			
Distance Increment Above			
25			

Updated: 10/21/2009 - Table C-1. 2006 – 2008

Construction Localized Significance Thresholds: 1.0 Acre, Field Improvements Demolition

		NOx & CO		*PM10 & PM2.5*		
SRA No.	Acres	Source Receptor Distance (meters)	Source Receptor Distance (Feet)	Source Receptor Distance (meters)	Source Receptor Distance (Feet)	Construction / Project Site Size (Acres)
16	1.00	25	82	25	82	1.00

Source Receptor	**North Orange County**	**Equipment**	**Acres/8-hr Day**		**Daily hours**	**Equipment Used**	**Acres**
Distance (meters)	25						
NOx	**103**	Tractors	0.5	0.0625			0
CO	**522**	Graders	0.5	0.0625			0
PM10	**4.00**	Dozers	0.5	0.0625	8	2	1
PM2.5	**3.00**	Scrapers	1	0.125			0
						Acres	1.00

	Acres	**25**	**50**	**100**	**200**	**500**
NOx	1	103	104	121	159	252
	1	103	104	121	159	252
		103	104	121	159	252
CO	1	522	685	1014	1975	6531
	1	522	685	1014	1975	6531
		522	685	1014	1975	6531
PM10	1	4	10	24	53	137
	1	4	10	24	53	137
		4	10	24	53	137
PM2.5	1	3	4	9	20	74
	1	3	4	9	20	74
		3	4	9	20	74

North Orange County

1.00 Acres

	25	**50**	**100**	**200**	**500**
NOx	103	104	121	159	252
CO	522	685	1014	1975	6531
PM10	4	10	24	53	137
PM2.5	3	4	9	20	74

Acre Below		**Acre Above**	
SRA No.	Acres	SRA No.	Acres
16	1	16	1
Distance Increment Below			
25			
Distance Increment Above			
25			

Updated: 10/21/2009 - Table C-1. 2006 – 2008

Construction Localized Significance Thresholds: 3.5 Acre, Field Improvements Site Preparation

		NOx & CO		*PM10 & PM2.5*		
SRA No.	Acres	Source Receptor Distance (meters)	Source Receptor Distance (Feet)	Source Receptor Distance (meters)	Source Receptor Distance (Feet)	Construction / Project Site Size (Acres)
16	3.50	25	82	25	82	3.50

Source Receptor	**North Orange County**	**Equipment**	**Acres/8-hr Day**		**Daily hours**	**Equipment Used**	**Acres**
Distance (meters)	25						
NOx	**184**	Tractors	0.5	0.0625	8	4	2
CO	**1,036**	Graders	0.5	0.0625			0
PM10	**8.50**	Dozers	0.5	0.0625	8	3	1.5
PM2.5	**5.00**	Scrapers	1	0.125			0
						Acres	3.50

	Acres	**25**	**50**	**100**	**200**	**500**
NOx	3	172	166	179	207	285
	4	196	189	203	228	301
		184	178	191	218	293
CO	3	945	1250	1688	2831	7665
	4	1128	1491	1981	3218	8210
		1037	1371	1835	3025	7938
PM10	3	8	23	37	66	152
	4	9	28	43	72	158
		9	26	40	69	155
PM2.5	3	5	7	12	27	84
	4	5	8	14	31	90
		5	8	13	29	87

North Orange County

3.50 Acres

	25	**50**	**100**	**200**	**500**
NOx	184	178	191	218	293
CO	1037	1371	1835	3025	7938
PM10	9	26	40	69	155
PM2.5	5	8	13	29	87

Acre Below		**Acre Above**	
SRA No.	Acres	SRA No.	Acres
16	3	16	4
Distance Increment Below			
25			
Distance Increment Above			
25			

Updated: 10/21/2009 - Table C-1. 2006 – 2008

Construction Localized Significance Thresholds: 2.5 Acre, Field Improvements, Grading

		NOx & CO		*PM10 & PM2.5*		
SRA No.	Acres	Source Receptor Distance (meters)	Source Receptor Distance (Feet)	Source Receptor Distance (meters)	Source Receptor Distance (Feet)	Construction / Project Site Size (Acres)
16	2.50	25	82	25	82	2.50

Source Receptor	**North Orange County**	**Equipment**	**Acres/8-hr Day**		**Daily hours**	**Equipment Used**	**Acres**
Distance (meters)	25						
NOx	**159**	Tractors	0.5	0.0625	8	1	0.5
CO	**853**	Graders	0.5	0.0625	8	1	0.5
PM10	**6.83**	Dozers	0.5	0.0625	8	3	1.5
PM2.5	**4.33**	Scrapers	1	0.125			0
						Acres	2.50

	Acres	**25**	**50**	**100**	**200**	**500**
NOx	2	147	143	156	186	269
	3	172	166	179	207	285
		159	155	168	197	277
CO	2	762	1010	1395	2444	7121
	3	945	1250	1688	2831	7665
		854	1130	1542	2638	7393
PM10	2	6	17	31	60	145
	3	8	23	37	66	152
		7	20	34	63	148
PM2.5	2	4	6	11	24	79
	3	5	7	12	27	84
		4	7	12	26	82

North Orange County

2.50 Acres

	25	**50**	**100**	**200**	**500**
NOx	159	155	168	197	277
CO	854	1130	1542	2638	7393
PM10	7	20	34	63	148
PM2.5	4	7	12	26	82

Acre Below		**Acre Above**	
SRA No.	Acres	SRA No.	Acres
16	2	16	3
Distance Increment Below			
25			
Distance Increment Above			
25			

Updated: 10/21/2009 - Table C-1. 2006 – 2008

Construction Localized Significance Thresholds: 1.31 Acre, Field Improvements, Building Construction

		NOx & CO		*PM10 & PM2.5*		
SRA No.	Acres	Source Receptor Distance (meters)	Source Receptor Distance (Feet)	Source Receptor Distance (meters)	Source Receptor Distance (Feet)	Construction / Project Site Size (Acres)
16	1.31	25	82	25	82	1.31

Source Receptor	**North Orange County**	**Equipment**	**Acres/8-hr Day**		**Daily hours**	**Equipment Used**	**Acres**
Distance (meters)	25						
NOx	**117**	Tractors	0.5	0.0625	7	3	1.3125
CO	**597**	Graders	0.5	0.0625			0
PM10	**4.62**	Dozers	0.5	0.0625			0
PM2.5	**3.31**	Scrapers	1	0.125			0
						Acres	1.31

	Acres	**25**	**50**	**100**	**200**	**500**
NOx	1	103	104	121	159	252
	2	147	143	156	186	269
		117	116	132	167	257
CO	1	522	685	1014	1975	6531
	2	762	1010	1395	2444	7121
		597	787	1133	2122	6715
PM10	1	4	10	24	53	137
	2	6	17	31	60	145
		5	12	26	55	140
PM2.5	1	3	4	9	20	74
	2	4	6	11	24	79
		3	5	10	21	76

North Orange County

1.31 Acres

	25	**50**	**100**	**200**	**500**
NOx	117	116	132	167	257
CO	597	787	1133	2122	6715
PM10	5	12	26	55	140
PM2.5	3	5	10	21	76

Acre Below		**Acre Above**	
SRA No.	Acres	SRA No.	Acres
16	1	16	2
Distance Increment Below			
25			
Distance Increment Above			
25			

Updated: 10/21/2009 - Table C-1. 2006 – 2008

Construction Localized Significance Thresholds: < 1.0 Acre Field Improvements, Building Construction, Paving, and Architectural Coating

		NOx & CO		*PM10 & PM2.5*		
SRA No.	Acres	Source Receptor Distance (meters)	Source Receptor Distance (Feet)	Source Receptor Distance (meters)	Source Receptor Distance (Feet)	Construction / Project Site Size (Acres)
16	0.50	25	82	25	82	0.50

Source Receptor	**North Orange County**	**Equipment**	**Acres/8-hr Day**		**Daily hours**	**Equipment Used**	**Acres**
Distance (meters)	25						
NOx	**103**	Tractors	0.5	0.0625	8	1	0.5
CO	**522**	Graders	0.5	0.0625			0
PM10	**4.00**	Dozers	0.5	0.0625			0
PM2.5	**3.00**	Scrapers	1	0.125			0
						Acres	0.50

	Acres	**25**	**50**	**100**	**200**	**500**
NOx	1	103	104	121	159	252
	1	103	104	121	159	252
		103	104	121	159	252
CO	1	522	685	1014	1975	6531
	1	522	685	1014	1975	6531
		522	685	1014	1975	6531
PM10	1	4	10	24	53	137
	1	4	10	24	53	137
		4	10	24	53	137
PM2.5	1	3	4	9	20	74
	1	3	4	9	20	74
		3	4	9	20	74

North Orange County

0.50 Acres

	25	**50**	**100**	**200**	**500**
NOx	103	104	121	159	252
CO	522	685	1014	1975	6531
PM10	4	10	24	53	137
PM2.5	3	4	9	20	74

Acre Below		**Acre Above**	
SRA No.	Acres	SRA No.	Acres
16	1	16	1
Distance Increment Below			
25			
Distance Increment Above			
25			

Updated: 10/21/2009 - Table C-1. 2006 – 2008

Construction Localized Significance Thresholds: 2.19 Acre, Seismic Upgrades/Modernization Construction and Architectural Coating (Phase 1) & Field Building Construction, Paving, and Architectural Coating Overlap (2026)

		NOx & CO		*PM10 & PM2.5*		
SRA No.	Acres	Source Receptor Distance (meters)	Source Receptor Distance (Feet)	Source Receptor Distance (meters)	Source Receptor Distance (Feet)	Construction / Project Site Size (Acres)
16	2.19	25	82	25	82	2.19

Source Receptor	**North Orange County**	**Equipment**	**Acres/8-hr Day**		**Daily hours**	**Equipment Used**	**Acres**
Distance (meters)	25						
NOx	**152**	Tractors (Siesmic)	0.5	0.0625	6	1	0.375
CO	**796**	Tractors (Field Building Construction)	0.5	0.0625	7	3	1.3125
PM10	**6.31**	Tractors (Paving)	0.5	0.0625	8	1	0.5
PM2.5	**4.12**	Scrapers	1	0.125			0
						Acres	2.19

	Acres	**25**	**50**	**100**	**200**	**500**
NOx	2	147	143	156	186	269
	3	172	166	179	207	285
		152	147	160	190	272
CO	2	762	1010	1395	2444	7121
	3	945	1250	1688	2831	7665
		796	1055	1450	2517	7223
PM10	2	6	17	31	60	145
	3	8	23	37	66	152
		6	18	32	61	146
PM2.5	2	4	6	11	24	79
	3	5	7	12	27	84
		4	6	11	25	80

North Orange County

2.19 Acres

	25	**50**	**100**	**200**	**500**
NOx	152	147	160	190	272
CO	796	1055	1450	2517	7223
PM10	6	18	32	61	146
PM2.5	4	6	11	25	80

Acre Below		**Acre Above**	
SRA No.	Acres	SRA No.	Acres
16	2	16	3
Distance Increment Below			
25			
Distance Increment Above			
25			

Updated: 10/21/2009 - Table C-1. 2006 – 2008

1. CONSTRUCTION HEALTH RISK ASSESSMENT

1.1 INTRODUCTION

The proposed project includes three primary components: (1) seismic retrofitting and modernization; (2) interim classrooms during seismic retrofitting construction and modernization; and (3) athletic field improvements at the Troy High School (TRHS) campus.

Classroom buildings 300 and 500 and a portion of classroom buildings 200 and 400 and the administration building would be seismically retrofitted and modernized. Seismic retrofitting would involve strengthening the existing buildings to make them more resistant to earthquake damage. Modernization improvements for all buildings would include upgrades to both interior and exterior finishes, such as new flooring, roofing, concrete shear walls, plaster, paint, doors, windows, and cabinetry. Students that would ordinarily attend class in these buildings would be temporarily housed in interim portable buildings installed at the southwest parking lot of the TRHS campus and at the blacktop where the existing basketball courts are located. These buildings would be removed from the campus once construction activities are completed. The athletic field improvements would involve installing field lighting at the baseball and softball fields and track and field, in addition to a new track and field, restroom/storage building, putting green, and other hardscape and softscape improvements around the track and field area.

Project construction would occur between April 2026 to August 2028. The seismic retrofitting and modernizations would take place over three phases between August 2026 and August 2028 and involve work on separate sets of buildings in each phase. The duration of these activities would be approximately 17 months, which accounts for a seven-month gap in construction activities between September 2026 and April 2027. The athletic field improvements would be completed over approximately five months between April 2026 and September 2026, overlapping with the seismic retrofitting/modernization activities by one month. The interim classroom buildings would be installed at the beginning of the construction period and would be removed at the end of construction activities.

The nearby residences and schools surrounding the project site could be potentially impacted from the proposed construction activities. Therefore, the health risk impacts from construction activities were determined for all nearby sensitive receptors (within 1,000 feet). The nearest off-site sensitive receptors would be single-family residences adjacent to the southern and western boundaries of the project site along Nutwood Avenue (south of the project site) and Glenwood Avenue and Union Avenue (west of the project site). In addition, La Vista High School is adjacent

to the project's eastern boundary and would be the closest off-site receptor to the field improvements. Other off-site receptors include Acacia Elementary School, which is approximately 850 feet northwest of the project site and California State University Fullerton is approximately 415 feet east of the project site. During construction activities, TRHS would continue operations at buildings not undergoing the seismic retrofitting and modernizations and at the interim portable buildings at the southwest parking lot and blacktop. Therefore, students and employees at TRHS would be the closest on-site receptors.

Guidance from the California Environmental Protection Agency (CalEPA), Office of Environmental Health Hazard Assessment (OEHHA), California Air Pollution Control Officers Association (CAPCOA), and the South Coast Air Quality Management District (South Coast AQMD) were used to complete the construction health risk assessment (HRA) and localized significance thresholds (LST) analysis. The following provides the background methodology and assumptions used for the HRA and LST analysis.

1.2 METHODOLOGY

1.2.1 Construction HRA

For this HRA, the South Coast AQMD significance thresholds were deemed to be appropriate and the thresholds that were used for this project are shown below:

- Excess cancer risk of more than 10 in a million
- Non-cancer hazard index (chronic or acute) greater than 1.0

The methodology used in this HRA is consistent with the following OEHHA guidance documents:

- OEHHA. 2015. Air Toxics Hot Spots Program Guidance Manual for the Preparation of Health Risk Assessments. February, 2015.

Potential exposures to diesel particulate matter (DPM) from project construction were evaluated for off-site sensitive receptors in close proximity to the site and in addition to on-site receptors that would be present at TRHS during construction activities. Pollutant concentrations were estimated using an air dispersion model, and excess lifetime cancer risks and chronic non-cancer hazard indexes were calculated. These risks were then compared to the significance thresholds adopted for this HRA.

It should be noted that these health impacts are based on conservative (i.e., health protective) assumptions. The United States Environmental Protection Agency (USEPA 2005) and the Office of Environmental Health Hazard Assessment (OEHHA 2015) note that conservative assumptions used in a risk assessment are intended to ensure that the estimated risks do not underestimate

the actual risks. Therefore, the estimated risks may not necessarily represent actual risks experienced by populations at or near a site. The use of conservative assumptions tends to produce upper-bound estimates of exposure and thus risk.

For residential-based receptors, the following conservative assumptions were used:

- It was assumed that maximum-exposed off-site residential receptors (both children and adults) stood outdoors and are subject to DPM at their residence for 24 hours per day, and approximately 260 construction days per year. In reality, California residents typically will spend on average 2 hours per day outdoors at their residences (USEPA 2011). This would result in lower exposures to construction related DPM emissions and lower estimated risk values.
- The calculated risk for infants from third trimester to age 2 is multiplied by a factor of 10 and children ages 2 to 16 is multiplied by a factor of 3 to account for early life exposure and uncertainty in child versus adult exposure impacts (OEHHA 2015).

For school-based receptors, the following conservative assumptions were used:

- It was assumed that maximum exposed student receptors stood outside and are subject to DPM for 8 hours per day and approximately 180 school days per year for elementary school students. In reality, students are exposed to outdoor pollutant concentration levels for a portion of the day and are exposed to reduced indoor pollutant concentrations for the remaining hours. This would result in lower exposures to construction related DPM emissions and lower estimated risk values.
- The calculated risk for children from age 2 to 9 is multiplied by a factor of 3 to account for early life exposure and uncertainty in child versus adult exposure impacts (OEHHA 2015).

For workers and university student receptors, the following conservative assumptions were used:

- It was assumed that maximum exposed worker receptors stood outside and are subject to DPM for 8 hours per day and approximately 260 construction days per year.

1.3 CONSTRUCTION EMISSIONS

Construction emissions were calculated as average daily emissions (lbs/day) for the HRA using the timeframes for construction activities provided by the District and the latest version of California Emissions Estimation Model, known as CalEEMod Version 2022.1 (CAPCOA 2022). Construction modeling accounted for construction activities and equipment involved with the seismic retrofits/modernizations and field improvements components separately. Since

construction activities associated with the seismic retrofits/modernizations would be limited to work on, in and around the buildings undergoing these improvements, construction activities for this component were based on CalEEMod defaults for building construction and demolition activities. Conservatively, demolition debris generated under this project component was calculated based on the square footage of the buildings undergoing the improvements even though demolition for this component would be limited to interior and exterior finishings on the buildings and utilities. Installation and removal of the interim classroom buildings were also modeled as activities under this component of the project.

Construction activities modeled for the field improvements included demolition of existing asphalt concrete, site preparation, grading, building and field improvement construction, paving, and architectural coating. To assess more realistic average use of equipment on-site, construction was modeled for 5-day work week schedule and default CalEEMod daily hours of operation for equipment.

The average daily emission rates from on-site construction equipment were determined by dividing the annual average off-road emissions for each construction year by the number of construction days for each calendar year (i.e., 2026, 2027, and 2028). The off-site hauling emission rates were adjusted to evaluate localized emissions from the 0.71-mile of haul route along State College Boulevard and Dorothy Lane from the project site to the nearest highway (i.e., Interstate 5). DPM emissions were based on the CalEEMod construction runs, using annual exhaust PM_{10} construction emissions presented in pounds (lbs) per day. The CalEEMod construction emissions outputs and the emission rate calculations are provided in Attachment A.

1.4 DISPERSION MODELING

Air dispersion modeling was performed using the AERMOD atmospheric dispersion model (Lakes AERMOD View, version 13.0.0). The model is a steady-state Gaussian plume model and is approved by South Coast AQMD for estimating ground-level impacts from emission sources in simple and complex terrain. The proposed project was modeled in AERMOD to identify the annual average DPM concentration at the maximally exposed receptor of each receptor type (e.g., residential, worker, and student).

The model requires additional input parameters, including local meteorology and terrain. AERMOD-ready meteorological (met) data was obtained from South Coast AQMD for the nearest representative met station with the five latest available years of record (Fullerton Municipal Airport, 2018, 2020-2023) to represent local weather conditions and prevailing winds. The prevailing wind direction at the Fullerton Municipal Airport meteorological data station is from the southwest, and the wind rose is provided in Attachment B.

The modeling also considered the spatial distribution and elevation of each emitting source in relation to the sensitive receptors. Digital elevation model data for the project site and surrounding area were obtained and included in the model runs to account for complex terrain. An emissions release height of 4.15 meters was used as representative of the stack exhaust height for off-road construction equipment and diesel truck traffic, and an initial vertical dispersion parameter of 1.93 meters was used, per CARB guidance (CARB 2000).

To determine contaminant impacts during construction hours, the model's Hour-By-Day-of-Week (HRDOW) scalar option was invoked to predict ground-level concentrations for emissions generated between the hours of 7:00 AM and 4:00 PM, with a 1-hour lunch break, Monday to Friday. In addition, a scalar factor was applied to the risk calculations to account for the number of days receptors are present and exposed to construction emissions per year, consistent with the description provided under Section 1.5.

A unit emission rate of 1 gram per second was used for the construction model. The unit emission rates were proportioned over the area sources for on-site sources and line sources for the off-site truck routes. The maximum AERMOD concentrations from the output files were then multiplied by the emission rates calculated in Section 1.3 to obtain the maximum ground-level concentrations at the maximum exposed individual resident, maximum exposed elementary school receptor, maximum exposed high school receptor, and maximum exposed university student receptor. A separate AERMOD model was run to establish the maximum ground-level concentration at the interim classroom buildings. The AERMOD model outputs are presented in Attachment B.

1.5 RISK CHARACTERIZATION

1.5.1 Carcinogenic Chemical Risk

Carcinogenic compounds are not considered to have threshold levels (i.e., dose levels below which there are no risks). Therefore, any exposure will have some associated risk. The South Coast AQMD has established a maximum incremental cancer risk of 10 in a million (1×10^{-5} or 10×10^{-6}) for CEQA projects and the OEHHA also sets a typical risk management level as 10 in a million (OEHHA 2015).

Health risks associated with exposure to carcinogenic compounds can be defined in terms of the probability of developing cancer as a result of exposure to a chemical at a given concentration. The cancer risk probability is determined by multiplying the chemical's annual concentration by its cancer potency factor (CPF), a measure of the carcinogenic potential of a chemical when a dose is received through the inhalation pathway. It is an upper-limit estimate of the probability of contracting cancer as a result of continuous exposure to an ambient concentration of one microgram per cubic meter ($\mu g/m^3$), averaged over a lifetime of 70 years.

Recent guidance from OEHHA recommends a refinement to the standard point estimate approach with the use of age-specific breathing rates and age sensitivity factors (ASFs) to assess risk for susceptible subpopulations such as children. For the inhalation pathway, the procedure requires the incorporation of several discrete variates to effectively quantify dose for each age group. Once determined, contaminant dose is multiplied by the cancer potency factor in units of inverse dose expressed in milligrams per kilogram per day $(mg/kg/day)^{-1}$ to derive the cancer risk estimate. Therefore, the following dose algorithm was used to accommodate the unique exposures associated with each receptor type.

$$\text{Dose}_{\text{AIR,per age group}} = (\text{C}_{\text{air}} \times \text{EF} \times [\frac{\text{BR}}{\text{BW}}] \times \text{A} \times \text{CF})$$

Where:

Dose_{AIR}	=	dose by inhalation (mg/kg-day), per age group
C_{air}	=	concentration of contaminant in air ($\mu g/m^3$)
EF	=	exposure frequency (number of days/365 days)
BR/BW	=	daily breathing rate normalized to body weight (L/kg-day)
A	=	inhalation absorption factor (default = 1)
CF	=	conversion factor ($1x10^{-6}$, µg to mg, L to m^3)

The inhalation absorption factor (A) is a unitless factor that is only used if the cancer potency factor included a correction for absorption across the lung. The default value of 1 was used for this assessment. For residential receptors, the exposure frequency (EF) of 0.96 is used to represent 350 days per year to allow for a two-week period away from home each year (OEHHA 2015). For Acacia Elementary School and TRHS, an EF of 0.49 is used to represent the traditional school calendar of 180 days per year (OEHHA 2004). For workers and students at California State University Fullerton, an EF of 0.68 was used to represent 250 workdays per year (OEHHA 2015). The daily breathing rates (BR/BW), exposure duration (ED), age sensitivity factors (ASF), and fraction of time at home (FAH) for the various age groups follow:

Age Groups	24-Hour BR/BW (L/kg-day)	ED	ASF	FAH
Third trimester	361	0.25	10	0.85
0-2 age group	1,090	1.34	10	0.85

School Age Groups	8-Hour BR/BW (L/kg-day)	ED	ASF	FAH
2-9 age group	640	1.76	3	N/A
2–16 age group	520	1.76	3	N/A

For construction analysis, the exposure duration spans the length of construction (i.e., 2026 to 2028). To calculate the overall cancer risk, the risk for each appropriate age group is calculated per the following equation:

$$\text{Cancer Risk}_{\text{AIR}} = \text{Dose}_{\text{AIR}} \times \text{CPF} \times \text{ASF} \times \text{FAH} \times \frac{\text{ED}}{AT}$$

Where:

Dose_{AIR} = dose by inhalation (mg/kg-day), per age group
CPF = cancer potency factor, chemical-specific $(\text{mg/kg-day})^{-1}$
ASF = age sensitivity factor, per age group
FAH = fraction of time at home, per age group (for residential receptors only)
ED = exposure duration (years)
AT = averaging time period over which exposure duration is averaged (70 years)

The final step converts the cancer risk in scientific notation to a whole number that expresses the cancer risk in "chances per million" by multiplying the cancer risk by a factor of $1x10^6$ (i.e., 1 million).

Incremental cancer risk (expressed in chances per million) was calculated for the maximum exposed receptor (MER) of each receptor type. The assessment was based on reasonable maximum exposure, defined as the "highest exposure that is reasonably expected to occur" for each receptor type, assuming all source generated emissions concurrently. The calculated results are provided in Attachment A.

1.5.2 Non-Carcinogenic Hazards

An evaluation was also conducted of the potential noncancer effects of chronic DPM exposure. Adverse health effects are evaluated by comparing the annual ground-level concentration of DPM from project construction or operation with the appropriate reference exposure limit (REL). Examples of noncancer adverse health effects are asthma, chronic obstructive pulmonary disease, and local effects from chemical exposure to specific organs such as the eyes, kidneys, and reproductive system.

The hazard index approach was used to quantify noncarcinogenic impacts. The hazard index assumes that chronic subthreshold exposures adversely affect a specific organ or organ system (toxicological endpoint). For DPM, the target organ determined by OEHHA is the respiratory system. To calculate the hazard index, the DPM concentration is divided by the DPM's chronic REL. A hazard index of 1 or lower means air toxics are unlikely to cause adverse noncancer health effects, such as asthma, over a lifetime of exposure. The chronic hazard analysis for DPM is provided in Attachment C.

1.6 RESULTS

1.6.1 Construction HRA

The following section summarizes the results and conclusion for this HRA report. The MEIR and maximum exposed preschool receptor were identified as the following:

- Residential Receptor: Single-family residence bordering the southern boundary of the project site along Nutwood Avenue, located at 417312.81 E, 3749032.27 N.
- Elementary Receptor: Acacia Elementary School student receptors approximately 850 feet northwest of the project site, located at 417090.87 E, 3749404.15 N.
- High School Receptor: Troy High School (not including interim classroom buildings) student receptors at 417509.42 E, 3749180.15 N.
- University Receptor: California State University Fullerton student/worker receptors approximately 415 feet west of the project site at 417509.42 E, 3749180.15 N.
- High School Receptor (Interim Classrooms): Troy High School student receptors at the interim classroom buildings installed at the southwest parking lot and blacktop at 417352.23 E, 3749228.13 N.

Figures 1 and 2 depict the calculated risk contours. The calculated health risk values are based on the modeled receptor concentration over the construction exposure period, averaged over a 70-year lifetime.

Tables 1, *Construction Risk Summary*, shows the unmitigated health risk results associated with construction activities.

Table 1 Construction Risk Summary

Receptor	Cancer Risk (per million)[1]	Chronic Hazards[1]
Residential MER	4.95	<0.1
Elementary School MER – Acacia Elementary School	0.04	<0.1
High School MER – TRHS[2]	1.20	<0.1
Worker/University MER – California State University Fullerton	0.02	<0.1
South Coast AQMD Threshold	**10**	**1.0**
Exceeds Threshold?	**No**	**No**

Notes: Cancer risk calculated using 2015 OEHHA HRA guidance.
MER = Maximum Exposed Receptor
1. Includes implementation of fugitive dust control measures required by South Coast AQMD under Rule 403, including watering disturbed areas a minimum of two times per day, reducing speed limit to 25 miles per hour on unpaved surfaces, and street sweeping with Rule 1186–compliant sweepers.
In accordance with the latest OEHHA guidance, the calculated total cancer risk conservatively assumes that the risk for the MEIR consists of a pregnant woman in the third trimester that subsequently gives birth to an infant during the approximately 1.75-year construction period. Therefore, calculated risk values for age groups from third trimester through 2 years of age were multiplied by a factor of 10 and age groups from 2 years of age through 9 years of age were multiplied by a factor of 3.
2. Receptors at the interim classroom buildings and other onsite locations at TRHS were evaluated in a separate model that excluded the locations of these buildings as part of the on-site emission source in order to evaluate these buildings as receptors. Conservatively, emissions associated with the installation and removal of the portables classrooms are incorporated into the risk results for this receptor even though these receptors would not experience emissions from these activities.

The results provided in Table 1 indicate that the maximum incremental cancer risk at all MERs would not exceed the South Coast AQMD threshold of 10 in one million. For non-carcinogenic effects, the hazard index identified for each toxicological endpoint totaled less than one for all sensitive receptors. Therefore, cancer risk and chronic non-carcinogenic hazards are less than significant.

2. REFERENCES

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Attachment A. Risk Calculations

Construction Risk Assessment Emissions Workshee

Total Construction Workdays:

2026	4/1/2026	9/1/2026	110	workdays
2027	4/1/2027	########	197	workdays
2028	1/1/2028	8/1/2028	152	workdays
		total	459	workdays

Onsite Emissions

Tons/Year

Year	ROG	NOx	CO	SO2	Exhaust PM10	Fugitive PM10	PM10 Total	Exhaust PM2.5	Fugitive PM2.5	PM2.5 Total
2026	0.40890	0.83525	0.99852	0.00177	0.03274	0.03867	0.07141	0.03012	0.01383	0.04395
2027	0.09329	0.83734	1.04500	0.00202	0.02772	0.00666	0.03438	0.02550	0.00101	0.02651
2028	0.33693	0.62314	0.81611	0.00158	0.01931	0.00518	0.02449	0.01776	0.00078	0.01855

Pounds/Day

Year	ROG	NOx	CO	SO2	Exhaust PM10	Fugitive PM10	PM10 Total	Exhaust PM2.5	Fugitive PM2.5	PM2.5 Total
2026	7.43449	15.18644	18.15487	0.03211	0.59519	0.70317	1.29836	0.54758	0.25149	0.79907
2027	0.94711	8.50087	10.60912	0.02048	0.28139	0.06762	0.34901	0.25888	0.01024	0.26912
2028	4.43333	8.19922	10.73832	0.02085	0.25405	0.06820	0.32226	0.23373	0.01033	0.24406

Offsite Emissions

Tons/Year

Year	ROG	NOx	CO	SO2	Exhaust PM10	Fugitive PM10	PM10 Total	Exhaust PM2.5	Fugitive PM2.5	PM2.5 Total
2026	0.00522	0.07977	0.09219	0.00043	0.00070	0.03277	0.03347	0.00070	0.00843	0.00913
2027	0.01530	0.08905	0.25224	0.00049	0.00054	0.08192	0.08246	0.00054	0.01998	0.02052
2028	0.01265	0.07595	0.20304	0.00045	0.00050	0.07012	0.07062	0.00050	0.01715	0.01765

Pounds/Day

Year	ROG	NOx	CO	SO2	Exhaust PM10	Fugitive PM10	PM10 Total	Exhaust PM2.5	Fugitive PM2.5	PM2.5 Total
2026	0.09483	1.45028	1.67627	0.00791	0.01276	0.59574	0.60850	0.01276	0.15323	0.16600
2027	0.15537	0.90410	2.56080	0.00496	0.00549	0.83167	0.83716	0.00549	0.20280	0.20829
2028	0.16651	0.99934	2.67163	0.00590	0.00663	0.92261	0.92924	0.00663	0.22563	0.23226

Seismic Upgrades/Modernization Maximum Emissions per phase (tons/year)

3.1 Installation of Interim Buildings (2026) - Unmitigated

	ROG	NOx	CO	SO2	Exhaust PM10	Fugitive PM10	PM10 Total	Exhaust PM2.5	Fugitive PM2.5	PM2.5 Total
Onsite										
Off-Road Equipment	0.00055633	0.005171	0.00461	1.3717E-05	0.000211926		0.000211926	0.000194971		0.000194971
Onsite truck	0	0	0	0	0	0	0	0	0	0
Total	**0.00056**	**0.00517**	**0.00461**	**0.00001**	**0.00021**	**0.00000**	**0.00021**	**0.00019**	**0.00000**	**0.00019**
Offsite										
Worker	0.00025193	0.000263	0.003553	0	0	0.000969292	0.000969292	0	0.000226992	0.000226992
Vendor	0.00013905	0.007227	0.003491	4.8572E-05	4.85722E-05	0.001826884	0.001875456	4.85722E-05	0.000505293	0.000553865
Hauling	3.5715E-05	0.003084	0.001308	1.6667E-05	3.17466E-05	0.000644641	0.000676387	3.17466E-05	0.000181002	0.000212748
Total	**0.00043**	**0.01057**	**0.00835**	**0.00007**	**0.00008**	**0.00344**	**0.00352**	**0.00008**	**0.00091**	**0.00099**
TOTAL	***0.00098***	***0.01574***	***0.01296***	***0.00008***	***0.00029***	***0.00344***	***0.00373***	***0.00028***	***0.00091***	***0.00119***

3.3 Seismic Upgrades/Modernization (Phase 1) (2026) - Unmitigated

	ROG	NOx	CO	SO2	Exhaust PM10	Fugitive PM10	PM10 Total	Exhaust PM2.5	Fugitive PM2.5	PM2.5 Total
Onsite										
Off-Road Equipment	0.01090717	0.097888	0.117558	0.00022597	0.003467542		0.003467542	0.003190139		0.003190139
Demolition						0.0067394	0.0067394		0.001020538	0.001020538
Onsite truck	0	0	0	0	0	0	0	0	0	0
Total	**0.01091**	**0.09789**	**0.11756**	**0.00023**	**0.00347**	**0.00674**	**0.01021**	**0.00319**	**0.00102**	**0.00421**
Offsite										
Worker	0.00184748	0.001926	0.026053	0	0	0.007108142	0.007108142	0	0.001664606	0.001664606
Vendor	0.0001385	0.007198	0.003477	4.838E-05	4.83801E-05	0.001819656	0.001868036	4.83801E-05	0.000503294	0.000551674
Hauling	0.00012351	0.010666	0.004523	5.764E-05	0.00010979	0.002229382	0.002339173	0.00010979	0.000625964	0.000735755
Total	**0.00211**	**0.01979**	**0.03405**	**0.00011**	**0.00016**	**0.01116**	**0.01132**	**0.00016**	**0.00279**	**0.00295**
TOTAL	***0.01302***	***0.11768***	***0.15161***	***0.00033***	***0.00363***	***0.01790***	***0.02152***	***0.00335***	***0.00381***	***0.00716***

3.5 Seismic Upgrades/Modernization (Phase 2 and 3) (2027) - Unmitigated

	ROG	NOx	CO	SO2	Exhaust PM10	Fugitive PM10	PM10 Total	Exhaust PM2.5	Fugitive PM2.5	PM2.5 Total
Onsite										
Off-Road Equipment	0.09329018	0.837335	1.044998	0.00201771	0.027717073		0.027717073	0.025499707		0.025499707
Demolition						0.006660869	0.006660869		0.001008646	0.001008646
Onsite truck	0	0	0	0	0	0	0	0	0	0
Total	**0.09329**	**0.83734**	**1.04500**	**0.00202**	**0.02772**	**0.00666**	**0.03438**	**0.02550**	**0.00101**	**0.02651**
Offsite										
Worker	0.01394511	0.016984	0.218292	0	0	0.063465553	0.063465553	0	0.014862557	0.014862557
Vendor	0.00123661	0.061856	0.029577	0.00043197	0.000431965	0.016246931	0.016678896	0.000431965	0.004493698	0.004925663
Hauling	0.00012228	0.010215	0.00437	5.7066E-05	0.000108697	0.002207184	0.002315881	0.000108697	0.000619732	0.000728429
Total	**0.01530**	**0.08905**	**0.25224**	**0.00049**	**0.00054**	**0.08192**	**0.08246**	**0.00054**	**0.01998**	**0.02052**
TOTAL	***0.10859***	***0.92639***	***1.29724***	***0.00251***	***0.02826***	***0.08858***	***0.11684***	***0.02604***	***0.02098***	***0.04703***

3.7 Seismic Upgrades/Modernization (Phase 2 and 3) (2028) - Unmitigated

	ROG	NOx	CO	SO2	Exhaust PM10	Fugitive PM10	PM10 Total	Exhaust PM2.5	Fugitive PM2.5	PM2.5 Total
Onsite										
Off-Road Equipment	0.06931073	0.618632	0.811529	0.00157059	0.019121679		0.019121679	0.017591945		0.017591945
Demolition						0.005183367	0.005183367		0.00078491	0.00078491
Onsite truck	0	0	0	0	0	0	0	0	0	0
Total	**0.06931**	**0.61863**	**0.81153**	**0.00157**	**0.01912**	**0.00518**	**0.02431**	**0.01759**	**0.00078**	**0.01838**
Offsite										
Worker	0.01059848	0.01157	0.160455	0	0	0.049387739	0.049387739	0	0.011565772	0.011565772
Vendor	0.0009623	0.045953	0.022278	0.00033615	0.000336147	0.012643066	0.012979214	0.000336147	0.003496914	0.003833061
Hauling	9.5159E-05	0.007676	0.003318	4.4408E-05	8.4586E-05	0.001717591	0.001802177	8.4586E-05	0.000482264	0.00056685
Total	**0.01166**	**0.06520**	**0.18605**	**0.00038**	**0.00042**	**0.06375**	**0.06417**	**0.00042**	**0.01554**	**0.01597**
TOTAL	***0.08097***	***0.68383***	***0.99758***	***0.00195***	***0.01954***	***0.06893***	***0.08847***	***0.01801***	***0.01633***	***0.03434***

3.9 Removal of Interim Buildings (2028) - Unmitigated

	ROG	NOx	CO	SO2	Exhaust PM10	Fugitive PM10	PM10 Total	Exhaust PM2.5	Fugitive PM2.5	PM2.5 Total
Onsite										
Off-Road Equipment	0.00052774	0.004509	0.004583	1.3725E-05	0.000186388		0.000186388	0.000171477		0.000171477
Onsite truck	0	0	0	0	0	0	0	0	0	0
Total	**0.00053**	**0.00451**	**0.00458**	**0.00001**	**0.00019**	**0.00000**	**0.00019**	**0.00017**	**0.00000**	**0.00017**
Offsite										
Worker	0.00020801	0.000227	0.003149	0	0	0.000969292	0.000969292	0	0.000226992	0.000226992
Vendor	0.00013905	0.00664	0.003219	4.8572E-05	4.85722E-05	0.001826884	0.001875456	4.85722E-05	0.000505293	0.000553865
Hauling	3.5715E-05	0.002881	0.001245	1.6667E-05	3.17466E-05	0.000644641	0.000676387	3.17466E-05	0.000181002	0.000212748
Total	**0.00038**	**0.00975**	**0.00761**	**0.00007**	**0.00008**	**0.00344**	**0.00352**	**0.00008**	**0.00091**	**0.00099**
TOTAL	***0.00091***	***0.01426***	***0.01220***	***0.00008***	***0.00027***	***0.00344***	***0.00371***	***0.00025***	***0.00091***	***0.00117***

3.11 Architectural Coating (Phase 1) (2026) - Unmitigated

	ROG	NOx	CO	SO2	Exhaust PM10	Fugitive PM10	PM10 Total	Exhaust PM2.5	Fugitive PM2.5	PM2.5 Total
Onsite										
Off-Road Equipment	0	0	0	0	0		0	0		0
Architectural Coatings	0.2861729									
Onsite truck	0	0	0	0	0	0	0	0	0	0
Total	**0.28617**	**0.00000**	**0.00000**	**0.00000**	**0.00000**	**0.00000**	**0.00000**	**0.00000**	**0.00000**	**0.00000**
Offsite										
Worker	0.00073899	0.000771	0.010421	0	0	0.002843257	0.002843257	0	0.000665843	0.000665843
Vendor	0	0	0	0	0	0	0	0	0	0
Hauling	0	0	0	0	0	0	0	0	0	0
Total	**0.00074**	**0.00077**	**0.01042**	**0.00000**	**0.00000**	**0.00284**	**0.00284**	**0.00000**	**0.00067**	**0.00067**
TOTAL	***0.28691***	***0.00077***	***0.01042***	***0.00000***	***0.00000***	***0.00284***	***0.00284***	***0.00000***	***0.00067***	***0.00067***

3.13 Architectural Coating (Phases 2 and 3) (2028) - Unmitigated

	ROG	NOx	CO	SO2	Exhaust PM10	Fugitive PM10	PM10 Total	Exhaust PM2.5	Fugitive PM2.5	PM2.5 Total
Onsite										
Off-Road Equipment	0	0	0	0	0		0	0		0
Architectural Coatings	0.2670947									
Onsite truck	0	0	0	0	0	0	0	0	0	0
Total	**0.26709**	**0.00000**	**0.00000**	**0.00000**	**0.00000**	**0.00000**	**0.00000**	**0.00000**	**0.00000**	**0.00000**
Offsite										
Worker	0.0006087	0.000664	0.009215	0	0	0.002836457	0.002836457	0	0.00066425	0.00066425
Vendor	7.0812E-06	0.000338	0.000164	2.4736E-06	2.47359E-06	9.30357E-05	9.55093E-05	2.47359E-06	2.57325E-05	2.82061E-05
Hauling	0	0	0	0	0	0	0	0	0	0
Total	**0.00062**	**0.00100**	**0.00938**	**0.00000**	**0.00000**	**0.00293**	**0.00293**	**0.00000**	**0.00069**	**0.00069**
TOTAL	***0.26771***	***0.00100***	***0.00938***	***0.00000***	***0.00000***	***0.00293***	***0.00293***	***0.00000***	***0.00069***	***0.00069***

Field Improvements Maximum Emissions per phase (tons/year)

3.1 Demolition (2026) - Unmitigated

	ROG	NOx	CO	SO2	Exhaust PM10	Fugitive PM10	PM10 Total	Exhaust PM2.5	Fugitive PM2.5	PM2.5 Total
Onsite										
Off-Road Equipment	0.01829394	0.165212	0.152045	0.00026021	0.006744698		0.006744698	0.006205122		0.006205122
Demolition						0.001766047	0.001766047		0.00026743	0.00026743
Onsite truck	4.5556E-06	0.000134	9.12E-05	3.23E-07	2.93E-07	0.002321261	0.002321553	2.93E-07	0.000232057	0.00023235
Total	**0.01830**	**0.16535**	**0.15214**	**0.00026**	**0.00674**	**0.00409**	**0.01083**	**0.00621**	**0.00050**	**0.00670**
Offsite										
Worker	0.00040212	0.000419	0.005671	0	0	0.001547158	0.001547158	0	0.000362318	0.000362318
Vendor	4.12E-05	0.002141	0.001034	1.4392E-05	1.43918E-05	0.000541299	0.000555691	1.43918E-05	0.000149716	0.000164108
Hauling	3.2739E-05	0.002827	0.001199	1.5278E-05	2.9101E-05	0.000590921	0.000620022	2.9101E-05	0.000165918	0.000195019
Total	**0.00048**	**0.00539**	**0.00790**	**0.00003**	**0.00004**	**0.00268**	**0.00272**	**0.00004**	**0.00068**	**0.00072**
TOTAL	***0.01877***	***0.17073***	***0.16004***	***0.00029***	***0.00679***	***0.00677***	***0.01356***	***0.00625***	***0.00118***	***0.00743***

3.3 Site Preparation (2026) - Unmitigated

	ROG	NOx	CO	SO2	Exhaust PM10	Fugitive PM10	PM10 Total	Exhaust PM2.5	Fugitive PM2.5	PM2.5 Total
Onsite										
Off-Road Equipment	0.00628774	0.058327	0.057616	9.7808E-05	0.002485026		0.002485026	0.002286224		0.002286224
Dust From Material Movement						0.015336491	0.015336491		0.007880517	0.007880517
Onsite truck	1.2297E-06	4.84E-05	2.82E-05	1.72E-07	2.55E-07	0.002020615	0.00202087	2.55E-07	0.000202002	0.000202257
Total	**0.00629**	**0.05838**	**0.05764**	**0.00010**	**0.00249**	**0.01736**	**0.01984**	**0.00229**	**0.00808**	**0.01037**
Offsite										
Worker	0.00011729	0.000122	0.001654	0	0	0.000451255	0.000451255	0	0.000105676	0.000105676
Vendor	2.4462E-05	0.001271	0.000614	8.5451E-06	8.54512E-06	0.000321396	0.000329941	8.54512E-06	8.88942E-05	9.74393E-05
Hauling	3.7203E-05	0.003213	0.001362	1.7361E-05	3.30693E-05	0.000671501	0.00070457	3.30693E-05	0.000188544	0.000221613
Total	**0.00018**	**0.00461**	**0.00363**	**0.00003**	**0.00004**	**0.00144**	**0.00149**	**0.00004**	**0.00038**	**0.00042**
TOTAL	***0.00647***	***0.06298***	***0.06128***	***0.00012***	***0.00253***	***0.01880***	***0.02133***	***0.00233***	***0.00847***	***0.01079***

3.5 Grading (2026) - Unmitigated

	ROG	NOx	CO	SO2	Exhaust PM10	Fugitive PM10	PM10 Total	Exhaust PM2.5	Fugitive PM2.5	PM2.5 Total
Onsite										
Off-Road Equipment	0.00493758	0.04491	0.052312	8.1968E-05	0.001938649		0.001938649	0.001783557		0.001783557
Dust From Material Movement						0.008330224	0.008330224		0.004013544	0.004013544
Onsite truck	1.7897E-06	6.36E-05	3.9E-05	2.02E-07	2.72E-07	0.00216045	0.002160723	2.72E-07	0.000215981	0.000216253
Total	**0.00494**	**0.04497**	**0.05235**	**0.00008**	**0.00194**	**0.01049**	**0.01243**	**0.00178**	**0.00423**	**0.00601**
Offsite										
Worker	0.0001508	0.000157	0.002127	0	0	0.000580184	0.000580184	0	0.000135869	0.000135869
Vendor	3.2831E-05	0.001706	0.000824	1.1468E-05	1.14684E-05	0.000431348	0.000442816	1.14684E-05	0.000119305	0.000130774
Hauling	0.00040328	0.034826	0.014769	0.0001882	0.000358472	0.007279068	0.007637539	0.000358472	0.002043812	0.002402283
Total	**0.00059**	**0.03669**	**0.01772**	**0.00020**	**0.00037**	**0.00829**	**0.00866**	**0.00037**	**0.00230**	**0.00267**
TOTAL	***0.00553***	***0.08166***	***0.07007***	***0.00028***	***0.00231***	***0.01878***	***0.02109***	***0.00215***	***0.00653***	***0.00868***

3.7 Building Construction (2026) - Unmitigated

	ROG	NOx	CO	SO2	Exhaust PM10	Fugitive PM10	PM10 Total	Exhaust PM2.5	Fugitive PM2.5	PM2.5 Total
Onsite										
Off-Road Equipment	0.04498238	0.413868	0.544588	0.00098267	0.015903469		0.015903469	0.014631191		0.014631191
Onsite truck	0	0	0	0	0	0	0	0	0	0
Total	**0.04498**	**0.41387**	**0.54459**	**0.00098**	**0.01590**	**0.00000**	**0.01590**	**0.01463**	**0.00000**	**0.01463**
Offsite										
Worker	0.00019891	0.000207	0.002805	0	0	0.00076531	0.00076531	0	0.000179223	0.000179223
Vendor	1.4912E-05	0.000775	0.000374	5.2089E-06	5.20892E-06	0.000195916	0.000201125	5.20892E-06	5.4188E-05	5.93969E-05
Hauling	0	0	0	0	0	0	0	0	0	0
Total	**0.00021**	**0.00098**	**0.00318**	**0.00001**	**0.00001**	**0.00096**	**0.00097**	**0.00001**	**0.00023**	**0.00024**
TOTAL	***0.04520***	***0.41485***	***0.54777***	***0.00099***	***0.01591***	***0.00096***	***0.01687***	***0.01464***	***0.00023***	***0.01487***

3.9 Paving (2026) - Unmitigated

	ROG	NOx	CO	SO2	Exhaust PM10	Fugitive PM10	PM10 Total	Exhaust PM2.5	Fugitive PM2.5	PM2.5 Total
Onsite										
Off-Road Equipment	0.00477586	0.043636	0.061702	9.0662E-05	0.0018212		0.0018212	0.001675504		0.001675504
Paving	0.00071755									
Onsite truck	0	0	0	0	0	0	0	0	0	0
Total	**0.00549**	**0.04364**	**0.06170**	**0.00009**	**0.00182**	**0.00000**	**0.00182**	**0.00168**	**0.00000**	**0.00168**
Offsite										
Worker	0.00046914	0.000489	0.006616	0	0	0.001805018	0.001805018	0	0.000422705	0.000422705
Vendor	9.0125E-06	0.000468	0.000226	3.1482E-06	3.1482E-06	0.000118409	0.000121557	3.1482E-06	3.27505E-05	3.58987E-05
Hauling	0	0	0	0	0	0	0	0	0	0
Total	**0.00048**	**0.00096**	**0.00684**	**0.00000**	**0.00000**	**0.00192**	**0.00193**	**0.00000**	**0.00046**	**0.00046**
TOTAL	***0.00597***	***0.04459***	***0.06854***	***0.00009***	***0.00182***	***0.00192***	***0.00375***	***0.00168***	***0.00046***	***0.00213***

3.11 Architectural Coating (2026) - Unmitigated

	ROG	NOx	CO	SO2	Exhaust PM10	Fugitive PM10	PM10 Total	Exhaust PM2.5	Fugitive PM2.5	PM2.5 Total
Onsite										
Off-Road Equipment	0.00084216	0.005995	0.00793	1.2081E-05	0.000162074		0.000162074	0.000149108		0.000149108
Architectural Coatings	0.03041574									
Onsite truck	0	0	0	0	0	0	0	0	0	0
Total	**0.03126**	**0.00600**	**0.00793**	**0.00001**	**0.00016**	**0.00000**	**0.00016**	**0.00015**	**0.00000**	**0.00015**
Offsite										
Worker	6.6304E-06	6.91E-06	9.35E-05	0	0	2.55103E-05	2.55103E-05	0	5.97409E-06	5.97409E-06
Vendor	0	0	0	0	0	0	0	0	0	0
Hauling	0	0	0	0	0	0	0	0	0	0
Total	**0.00001**	**0.00001**	**0.00009**	**0.00000**	**0.00000**	**0.00003**	**0.00003**	**0.00000**	**0.00001**	**0.00001**
TOTAL	***0.03126***	***0.00600***	***0.00802***	***0.00001***	***0.00016***	***0.00003***	***0.00019***	***0.00015***	***0.00001***	***0.00016***

Receptor Risk: Single Family Residence **Unmitigated Results**

Receptor Information

HRA Receptor		Receptor Risk Information					
Name	Type	Start Age	Daily Breathing Rate	Fraction of Time at Home	Averaging Time	Inhalation Absorption Factor	Pollutant
Single Family Residence	Residential	3rd Trimester	24-Hour	Yes	70 Years	1	Diesel Particulate Matter

DPM Maximum Exposed Receptor (MER) UTM coordinates: 417312.81 E, 3749032.27 N.

Schedule and Duration

Activity Schedule Information							
Year	Start Date	End Date	Workday Duration	Seconds/Day	Annual Workdays	Actual Workdays	Annual Duration
2026	4/1/2026	9/1/2026	8 Hours/Day	28,800	261	110	0.42
2027	4/1/2027	12/31/2027	8 Hours/Day	28,800	261	197	0.75
2028	1/1/2028	8/1/2028	8 Hours/Day	28,800	261	152	0.58

Assumptions: Exposure Duration (ED) is derived by dividing project workdays by total annual workdays (261), assuming 5 workdays a week.

DPM Emission Rates and Concentrations

Year	Emission Rates		AERMOD Pollutant		Calculated Pollutant Concentration		
	On-site Emission Rate (lbs/day)	Off-site Emission Rate (lbs/day)	On-site Concentration	Off-site Concentration	On-site Concentration	Off-site Concentration	Total Concentration (ug/m3)
2026	5.95E-01	1.28E-02	4.40E+00	2.64E-01	4.13E-02	1.88E-06	4.13E-02
2027	2.81E-01	5.49E-03	4.40E+00	2.64E-01	1.95E-02	8.10E-07	1.95E-02
2028	2.54E-01	6.63E-03	4.40E+00	2.64E-01	1.76E-02	9.77E-07	1.76E-02
	Off-site Haul Distance:	0.71	miles		Maximum Annual Average Concentration:		4.13E-02
	Default Haul Distance:	20	miles			**Hazard Index:**	**0.008**

Assumptions: DPM Emissions utilize PM10 Exhaust.

Exposure Durations

Year	Age-Dependent Exposure Duration						
	Age Bin: 3rd Trimester>0 Years	Age Bin: 0>2 Years	Age Bin: 2>9 Years	Age Bin: 9>16 Years	Age Bin: 16>30 Years	Age Bin: 30>70+ Years	Total Duration
2026	0.25	0.17	0.00	0.00	0.00	0.00	0.42
2027	0.00	0.75	0.00	0.00	0.00	0.00	0.75
2028	0.00	0.58	0.00	0.00	0.00	0.00	0.58

Daily Breathing Rates

Year	Daily Breathing Rates by Age						
	Age Bin: 3rd Trimester>0 Years	Age Bin: 0>2 Years	Age Bin: 2>9 Years	Age Bin: 9>16 Years	Age Bin: 16>30 Years	Age Bin: 30>70+ Years	Max
2026	361	1090					1090
2027		1090					1090
2028		1090					1090

Receptor Risk Results

Year	Risk Per Individual By Age						Calculated Risk
	Age Bin: 3rd Trimester>0 Years	Age Bin: 0>2 Years	Age Bin: 2>9 Years	Age Bin: 9>16 Years	Age Bin: 16>30 Years	Age Bin: 30>70+ Years	Risk/Million
2026	4.77E-07	9.88E-07					1.47
2027		2.06E-06					2.06
2028		1.43E-06					1.43
						TOTAL RISK:	**4.95**

Receptor Risk: High School **Unmitigated Results**

Receptor Information

HRA Receptor		Receptor Risk Information					
Name	Type	Start Age	Daily Breathing Rate	Fraction of Time at Home	Averaging Time	Inhalation Absorption Factor	Pollutant
Onsite Students Troy High School	High School	13	8-Hour	No	70 Years	1	Diesel Particulate Matter

DPM Maximum Exposed Receptor (MER) UTM coordinates: 417352.23 E, 3749228.13 N.

Schedule and Duration

Activity Schedule Information							
Year	Start Date	End Date	Workday Duration	Seconds/Day	Annual Workdays	Actual Workdays	Annual Duration
2026	4/1/2026	9/1/2026	8 Hours/Day	28,800	261	110	0.42
2027	4/1/2027	12/31/2027	8 Hours/Day	28,800	261	197	0.75
2028	1/1/2028	8/1/2028	8 Hours/Day	28,800	261	152	0.58

Assumptions: Exposure Duration (ED) is derived by dividing project workdays by total annual workdays (261), assuming 5 workdays a week.

DPM Emission Rates and Concentrations

Year	Emission Rates		AERMOD Pollutant		Calculated Pollutant Concentration		
	On-site Emission Rate (lbs/day)	Off-site Emission Rate (lbs/day)	On-site Concentration	Off-site Concentration	On-site Concentration	Off-site Concentration	Total Concentration (ug/m3)
2026	5.95E-01	1.28E-02	1.03E+01	4.33E-01	9.65E-02	3.09E-06	9.65E-02
2027	2.81E-01	5.49E-03	1.03E+01	4.33E-01	4.56E-02	1.33E-06	4.56E-02
2028	2.54E-01	6.63E-03	1.03E+01	4.33E-01	4.12E-02	1.61E-06	4.12E-02
	Off-site Haul Distance:	0.71	miles		Maximum Annual Average Concentration:		9.65E-02
	Default Haul Distance:	20	miles		**Hazard Index:**		**0.019**

Assumptions: DPM Emissions utilize PM10 Exhaust.

Exposure Durations

Year	Age-Dependent Exposure Duration						
	Age Bin: 3rd Trimester>0 Years	Age Bin: 0>2 Years	Age Bin: 2>9 Years	Age Bin: 9>16 Years	Age Bin: 16>30 Years	Age Bin: 30>70+ Years	Total Duration
2026	0.00	0.00	0.00	0.42	0.00	0.00	0.42
2027	0.00	0.00	0.00	0.75	0.00	0.00	0.75
2028	0.00	0.00	0.00	0.58	0.00	0.00	0.58

Daily Breathing Rates

Year	Daily Breathing Rates by Age						
	Age Bin: 3rd Trimester>0 Years	Age Bin: 0>2 Years	Age Bin: 2>9 Years	Age Bin: 9>16 Years	Age Bin: 16>30 Years	Age Bin: 30>70+ Years	Max
2026				520			520
2027				520			520
2028				520			520

Receptor Risk Results

Year	Risk Per Individual By Age						Calculated Risk
	Age Bin: 3rd Trimester>0 Years	Age Bin: 0>2 Years	Age Bin: 2>9 Years	Age Bin: 9>16 Years	Age Bin: 16>30 Years	Age Bin: 30>70+ Years	Risk/Million
2026				4.92E-07			0.49
2027				4.17E-07			0.42
2028				2.90E-07			0.29
						TOTAL RISK:	**1.20**

Receptor Risk: Elementary School **Unmitigated Results**

Receptor Information

HRA Receptor		Receptor Risk Information					
Name	Type	Start Age	Daily Breathing Rate	Fraction of Time at Home	Averaging Time	Inhalation Absorption Factor	Pollutant
Acacia Elementary School	Elementary School	5	8-Hour	No	70 Years	1	Diesel Particulate Matter

DPM Maximum Exposed Receptor (MER) UTM coordinates: 417090.87 E, 3749404.15 N.

Schedule and Duration

Activity Schedule Information							
Year	Start Date	End Date	Workday Duration	Seconds/Day	Annual Workdays	Actual Workdays	Annual Duration
2026	4/1/2026	9/1/2026	8 Hours/Day	28,800	261	110	0.42
2027	4/1/2027	12/31/2027	8 Hours/Day	28,800	261	197	0.75
2028	1/1/2028	8/1/2028	8 Hours/Day	28,800	261	152	0.58

Assumptions: Exposure Duration (ED) is derived by dividing project workdays by total annual workdays (261), assuming 5 workdays a week.

DPM Emission Rates and Concentrations

Year	Emission Rates		AERMOD Pollutant		Calculated Pollutant Concentration		
	On-site Emission Rate (lbs/day)	Off-site Emission Rate (lbs/day)	On-site Concentration	Off-site Concentration	On-site Concentration	Off-site Concentration	Total Concentration (ug/m3)
2026	5.95E-01	1.28E-02	2.81E-01	3.64E-01	2.64E-03	2.59E-06	2.64E-03
2027	2.81E-01	5.49E-03	2.81E-01	3.64E-01	1.25E-03	1.12E-06	1.25E-03
2028	2.54E-01	6.63E-03	2.81E-01	3.64E-01	1.12E-03	1.35E-06	1.13E-03
	Off-site Haul Distance:	0.71	miles		Maximum Annual Average Concentration:		2.64E-03
	Default Haul Distance:	20	miles		**Hazard Index:**		**0.001**

Assumptions: DPM Emissions utilize PM10 Exhaust.

Exposure Durations

Year	Age-Dependent Exposure Duration						
	Age Bin: 3rd Trimester>0 Years	Age Bin: 0>2 Years	Age Bin: 2>9 Years	Age Bin: 9>16 Years	Age Bin: 16>30 Years	Age Bin: 30>70+ Years	Total Duration
2026	0.00	0.00	0.42	0.00	0.00	0.00	0.42
2027	0.00	0.00	0.75	0.00	0.00	0.00	0.75
2028	0.00	0.00	0.58	0.00	0.00	0.00	0.58

Daily Breathing Rates

Year	Daily Breathing Rates by Age						
	Age Bin: 3rd Trimester>0 Years	Age Bin: 0>2 Years	Age Bin: 2>9 Years	Age Bin: 9>16 Years	Age Bin: 16>30 Years	Age Bin: 30>70+ Years	Max
2026			640				640
2027			640				640
2028			640				640

Receptor Risk Results

Year	Risk Per Individual By Age						Calculated Risk
	Age Bin: 3rd Trimester>0 Years	Age Bin: 0>2 Years	Age Bin: 2>9 Years	Age Bin: 9>16 Years	Age Bin: 16>30 Years	Age Bin: 30>70+ Years	Risk/Million
2026			1.65E-08				0.02
2027			1.40E-08				0.01
2028			9.76E-09				0.01
						TOTAL RISK:	**0.04**

Receptor Risk: University **Unmitigated Results**

Receptor Information

HRA Receptor		Receptor Risk Information					
Name	Type	Start Age	Daily Breathing Rate	Fraction of Time at Home	Averaging Time	Inhalation Absorption Factor	Pollutant
CSU Fullerton	Worker	16	8-Hour	No	70 Years	1	Diesel Particulate Matter

DPM Maximum Exposed Receptor (MER) UTM coordinates: 417754.36 E, 3749234.7 N.

Schedule and Duration

Activity Schedule Information							
Year	Start Date	End Date	Workday Duration	Seconds/Day	Annual Workdays	Actual Workdays	Annual Duration
2026	4/1/2026	9/1/2026	8 Hours/Day	28,800	261	110	0.42
2027	4/1/2027	12/31/2027	8 Hours/Day	28,800	261	197	0.75
2028	1/1/2028	8/1/2028	8 Hours/Day	28,800	261	152	0.58

Assumptions: Exposure Duration (ED) is derived by dividing project workdays by total annual workdays (261), assuming 5 workdays a week.

DPM Emission Rates and Concentrations

Year	Emission Rates		AERMOD Pollutant		Calculated Pollutant Concentration		
	On-site Emission Rate (lbs/day)	Off-site Emission Rate (lbs/day)	On-site Concentration	Off-site Concentration	On-site Concentration	Off-site Concentration	Total Concentration (ug/m3)
2026	5.95E-01	1.28E-02	6.57E-01	6.62E+00	6.16E-03	4.72E-05	6.21E-03
2027	2.81E-01	5.49E-03	6.57E-01	6.62E+00	2.91E-03	2.03E-05	2.93E-03
2028	2.54E-01	6.63E-03	6.57E-01	6.62E+00	2.63E-03	2.45E-05	2.66E-03
	Off-site Haul Distance:	0.71	miles		Maximum Annual Average Concentration:		6.21E-03
	Default Haul Distance:	20	miles		**Hazard Index:**		**0.001**

Assumptions: DPM Emissions utilize PM10 Exhaust.

Exposure Durations

Year	Age-Dependent Exposure Duration						
	Age Bin: 3rd Trimester>0 Years	Age Bin: 0>2 Years	Age Bin: 2>9 Years	Age Bin: 9>16 Years	Age Bin: 16>30 Years	Age Bin: 30>70+ Years	Total Duration
2026	0.00	0.00	0.00	0.00	0.42	0.00	0.42
2027	0.00	0.00	0.00	0.00	0.75	0.00	0.75
2028	0.00	0.00	0.00	0.00	0.58	0.00	0.58

Daily Breathing Rates

Year	Daily Breathing Rates by Age						
	Age Bin: 3rd Trimester>0 Years	Age Bin: 0>2 Years	Age Bin: 2>9 Years	Age Bin: 9>16 Years	Age Bin: 16>30 Years	Age Bin: 30>70+ Years	Max
2026					240		240
2027					240		240
2028					240		240

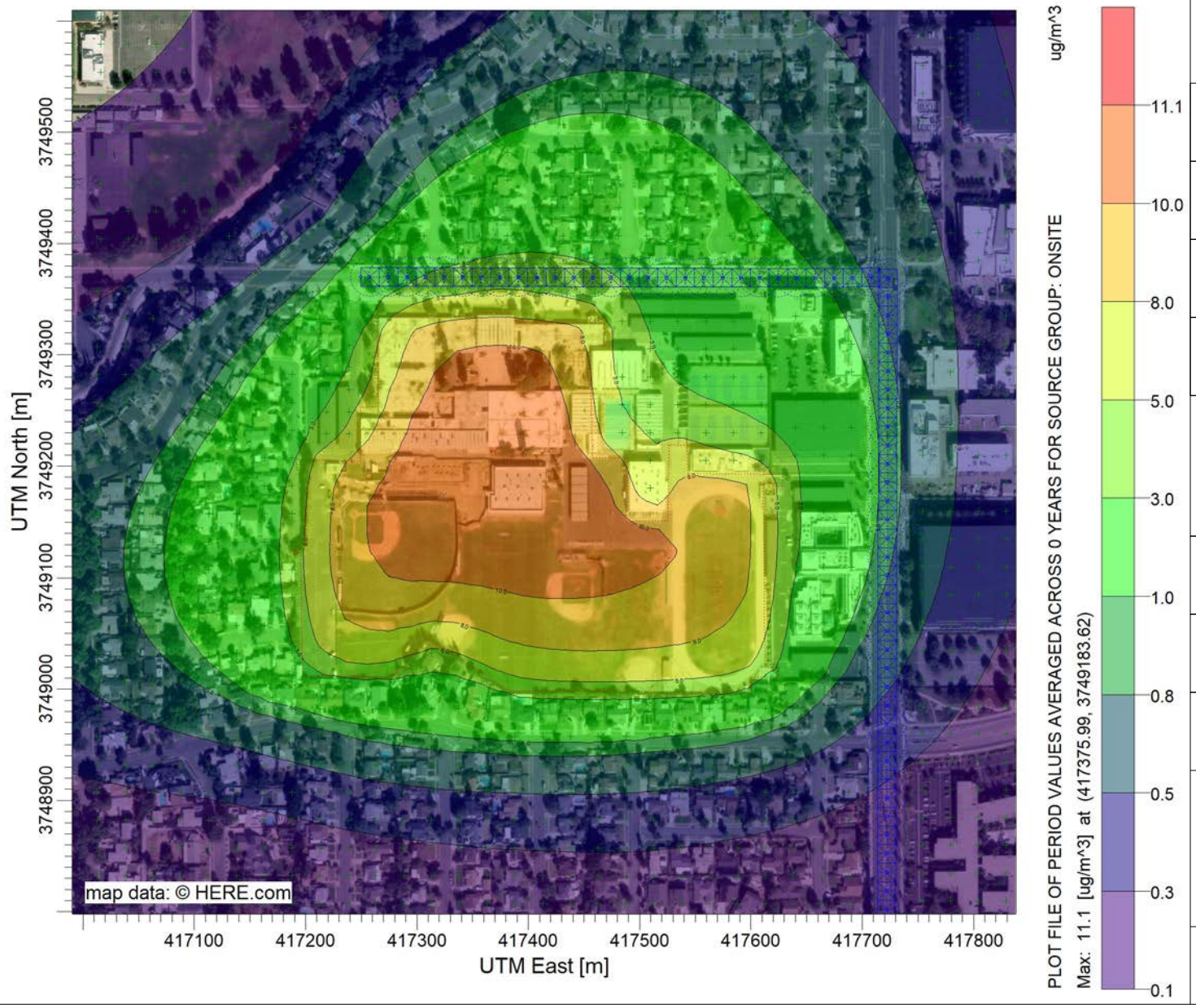
Receptor Risk Results

Year	Risk Per Individual By Age						Calculated Risk
	Age Bin: 3rd Trimester>0 Years	Age Bin: 0>2 Years	Age Bin: 2>9 Years	Age Bin: 9>16 Years	Age Bin: 16>30 Years	Age Bin: 30>70+ Years	Risk/Million
2026					6.76E-09		0.01
2027					5.72E-09		0.01
2028					3.99E-09		0.00
						TOTAL RISK:	**0.02**

Attachment B. Air Dispersion Model Output

PROJECT TITLE:

Troy High School Improvements Project
Construction HRA



COMMENTS:

SOURCES:
2

RECEPTORS:
4226

OUTPUT TYPE:
Concentration

MAX:
11.1 ug/m^3

COMPANY NAME:

MODELER:

DATE:
1/13/2026

SCALE: 1:5,527
0 0.1 km

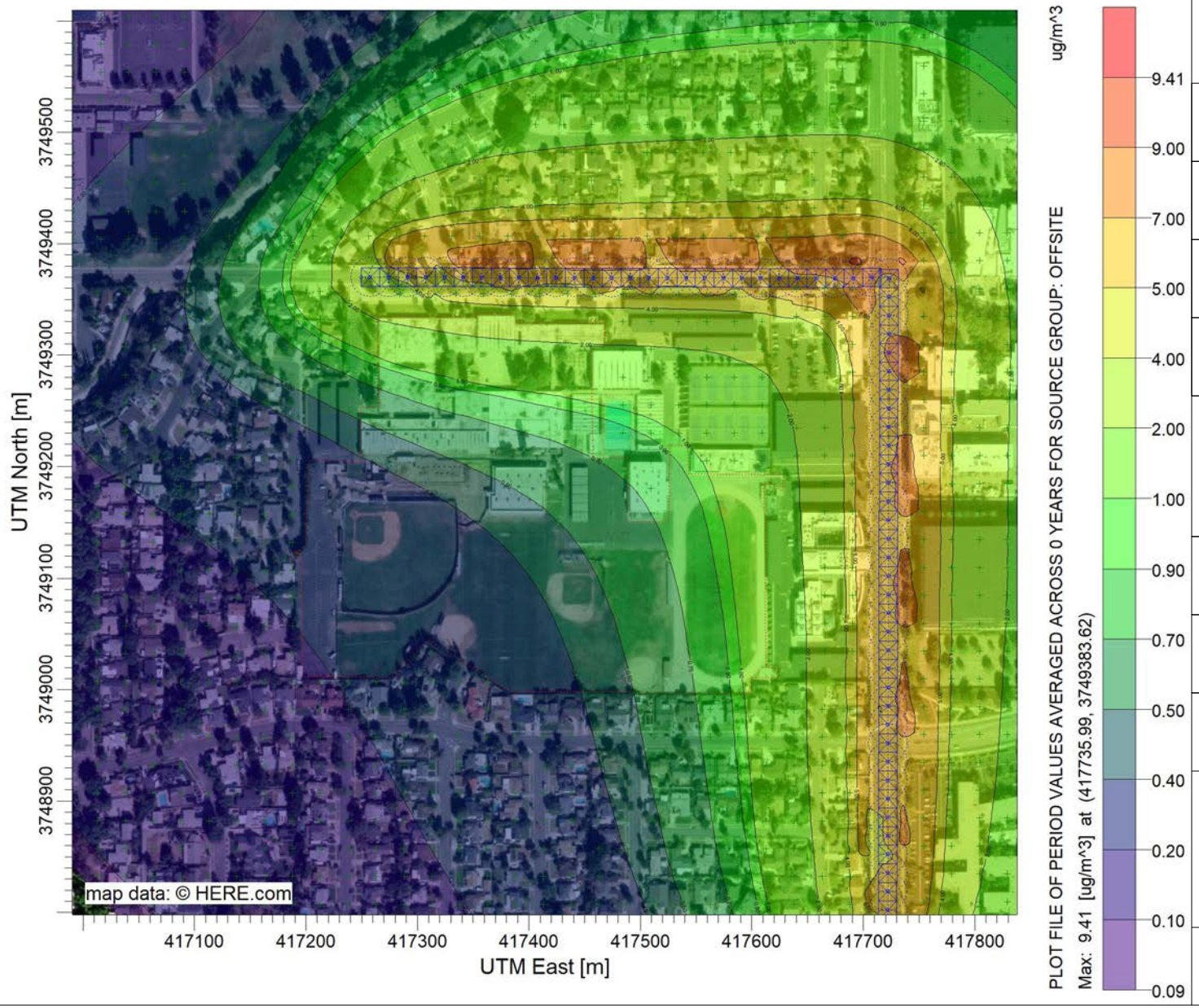
PROJECT NO.:

AERMOD View - Lakes Environmental Software

C:\Users\azimny\Desktop\FHS-08_TroyHS\FHS-08_TroyHS.isc

PROJECT TITLE:

Troy High School Improvements Project
Construction HRA



COMMENTS:

SOURCES:

2

RECEPTORS:

4226

OUTPUT TYPE:

Concentration

MAX:

9.41 ug/m^3

COMPANY NAME:

MODELER:

DATE:

1/13/2026

SCALE: 1:5,527

0 0.1 km

PROJECT NO.:

Source Pathway - Source Inputs

Source Pathway - Source Inputs

Polygon Area Sources

Source Type: AREA POLY

Source: 1 (Onsite)

Base Elevation (Optional)	Release Height [m]	Emission Rate [g/ (s-m^2)]	Initial Vertical Dim. [m]	Number of Vertices (or sides)	X Coordinate for Vertices [m]	Y Coordinate for Vertices [m]
66.95	4.15	9.51E-6	1.93	39	417190.97	3749122.75
		9.51E-6			417199.79	3749129.67
		9.51E-6			417202.31	3749200.83
		9.51E-6			417203.57	3749205.24
		9.51E-6			417249.21	3749204.90
		9.51E-6			417249.04	3749252.94
		9.51E-6			417265.26	3749253.21
		9.51E-6			417264.69	3749335.07
		9.51E-6			417352.92	3749334.86
		9.51E-6			417352.92	3749337.49
		9.51E-6			417388.25	3749337.08
		9.51E-6			417388.45	3749329.41
		9.51E-6			417468.33	3749328.87
		9.51E-6			417467.89	3749307.43
		9.51E-6			417455.78	3749307.57
		9.51E-6			417457.66	3749207.62
		9.51E-6			417489.52	3749207.06
		9.51E-6			417488.40	3749151.23
		9.51E-6			417520.27	3749151.23
		9.51E-6			417525.58	3749151.23
		9.51E-6			417526.13	3749219.42
		9.51E-6			417542.62	3749218.58
		9.51E-6			417543.46	3749193.43
		9.51E-6			417628.42	3749192.38
		9.51E-6			417628.04	3749178.07
		9.51E-6			417621.85	3749180.77
		9.51E-6			417621.46	3749184.64
		9.51E-6			417610.63	3749184.25
		9.51E-6			417611.40	3749153.31
		9.51E-6			417612.69	3749020.08

Source Pathway - Source Inputs

Source Type: AREA POLY

Source: 1 (Onsite)

Base Elevation (Optional)	Release Height [m]	Emission Rate [g/ (s-m^2)]	Initial Vertical Dim. [m]	Number of Vertices (or sides)	X Coordinate for Vertices [m]	Y Coordinate for Vertices [m]
		9.51E-6			417623.52	3749018.92
		9.51E-6			417623.52	3749010.80
		9.51E-6			417599.53	3749010.80
		9.51E-6			417599.92	3748997.65
		9.51E-6			417383.67	3748998.03
		9.51E-6			417310.17	3749044.84
		9.51E-6			417276.51	3749010.80
		9.51E-6			417197.20	3749011.96
		9.51E-6			417195.27	3749122.99

Line Volume Sources

Source Type: LINE VOLUME

Source: 2 (Offsite (Haul))

Length of Side [m]	Emission Rate [g/ s]	Building Height [m]	X Coordinate for Points [m]	Y Coordinate for points [m]	Base Elevation [m]	Release Height [m]
16.67	1.00000		417249.47	3749370.05	69.22	4.15
			417686.21	3749369.08	72.08	4.15
			417723.04	3749370.23	72.13	4.15
			417722.02	3748865.10	68.50	4.15
			417721.54	3748708.58	67.25	4.15

Source Pathway - Source Inputs

Volume Sources Generated from Line Sources

Line Source ID	Volume Source ID	X Coordinate [m]	Y Coordinate [m]	Base Elevation [m]	Release Height [m[	Emission Rate [g/s]	Length of Side [m]	Building Height [m]	Initial Lateral Dimencion [m]	Initial Vertical Dimencion [m]
2	L0000001	417257.81	3749370.03	69.27	4.15	0.01471	16.67		7.75	3.28
	L0000002	417274.47	3749369.99	69.38	4.15	0.01471	16.67		7.75	3.28
	L0000003	417291.14	3749369.96	69.49	4.15	0.01471	16.67		7.75	3.28
	L0000004	417307.81	3749369.92	69.60	4.15	0.01471	16.67		7.75	3.28
	L0000005	417324.48	3749369.88	69.71	4.15	0.01471	16.67		7.75	3.28
	L0000006	417341.15	3749369.85	69.82	4.15	0.01471	16.67		7.75	3.28
	L0000007	417357.81	3749369.81	69.93	4.15	0.01471	16.67		7.75	3.28
	L0000008	417374.48	3749369.77	70.04	4.15	0.01471	16.67		7.75	3.28
	L0000009	417391.15	3749369.73	70.15	4.15	0.01471	16.67		7.75	3.28
	L0000010	417407.82	3749369.70	70.26	4.15	0.01471	16.67		7.75	3.28
	L0000011	417424.49	3749369.66	70.37	4.15	0.01471	16.67		7.75	3.28
	L0000012	417441.15	3749369.62	70.48	4.15	0.01471	16.67		7.75	3.28
	L0000013	417457.82	3749369.59	70.58	4.15	0.01471	16.67		7.75	3.28
	L0000014	417474.49	3749369.55	70.69	4.15	0.01471	16.67		7.75	3.28
	L0000015	417491.16	3749369.51	70.80	4.15	0.01471	16.67		7.75	3.28
	L0000016	417507.83	3749369.48	70.91	4.15	0.01471	16.67		7.75	3.28
	L0000017	417524.49	3749369.44	71.02	4.15	0.01471	16.67		7.75	3.28
	L0000018	417541.16	3749369.40	71.13	4.15	0.01471	16.67		7.75	3.28
	L0000019	417557.83	3749369.36	71.24	4.15	0.01471	16.67		7.75	3.28
	L0000020	417574.50	3749369.33	71.35	4.15	0.01471	16.67		7.75	3.28
	L0000021	417591.17	3749369.29	71.46	4.15	0.01471	16.67		7.75	3.28
	L0000022	417607.83	3749369.25	71.57	4.15	0.01471	16.67		7.75	3.28
	L0000023	417624.50	3749369.22	71.68	4.15	0.01471	16.67		7.75	3.28
	L0000024	417641.17	3749369.18	71.79	4.15	0.01471	16.67		7.75	3.28

Source Pathway - Source Inputs

AERMOD

Line Source ID	Volume Source ID	X Coordinate [m]	Y Coordinate [m]	Base Elevation [m]	Release Height [m[	Emission Rate [g/s]	Length of Side [m]	Building Height [m]	Initial Lateral Dimencion [m]	Initial Vertical Dimencion [m]
2	L0000025	417657.84	3749369.14	71.89	4.15	0.01471	16.67		7.75	3.28
	L0000026	417674.51	3749369.11	72.00	4.15	0.01471	16.67		7.75	3.28
	L0000027	417691.17	3749369.23	72.09	4.15	0.01471	16.67		7.75	3.28
	L0000028	417707.83	3749369.75	72.11	4.15	0.01471	16.67		7.75	3.28
	L0000029	417723.04	3749368.78	72.12	4.15	0.01471	16.67		7.75	3.28
	L0000030	417723.01	3749352.11	72.00	4.15	0.01471	16.67		7.75	3.28
	L0000031	417722.97	3749335.45	71.88	4.15	0.01471	16.67		7.75	3.28
	L0000032	417722.94	3749318.78	71.76	4.15	0.01471	16.67		7.75	3.28
	L0000033	417722.91	3749302.11	71.64	4.15	0.01471	16.67		7.75	3.28
	L0000034	417722.87	3749285.44	71.52	4.15	0.01471	16.67		7.75	3.28
	L0000035	417722.84	3749268.77	71.40	4.15	0.01471	16.67		7.75	3.28
	L0000036	417722.80	3749252.11	71.28	4.15	0.01471	16.67		7.75	3.28
	L0000037	417722.77	3749235.44	71.16	4.15	0.01471	16.67		7.75	3.28
	L0000038	417722.74	3749218.77	71.04	4.15	0.01471	16.67		7.75	3.28
	L0000039	417722.70	3749202.10	70.92	4.15	0.01471	16.67		7.75	3.28
	L0000040	417722.67	3749185.43	70.80	4.15	0.01471	16.67		7.75	3.28
	L0000041	417722.63	3749168.77	70.68	4.15	0.01471	16.67		7.75	3.28
	L0000042	417722.60	3749152.10	70.56	4.15	0.01471	16.67		7.75	3.28
	L0000043	417722.57	3749135.43	70.44	4.15	0.01471	16.67		7.75	3.28
	L0000044	417722.53	3749118.76	70.32	4.15	0.01471	16.67		7.75	3.28
	L0000045	417722.50	3749102.09	70.20	4.15	0.01471	16.67		7.75	3.28
	L0000046	417722.46	3749085.43	70.08	4.15	0.01471	16.67		7.75	3.28
	L0000047	417722.43	3749068.76	69.96	4.15	0.01471	16.67		7.75	3.28
	L0000048	417722.40	3749052.09	69.84	4.15	0.01471	16.67		7.75	3.28
	L0000049	417722.36	3749035.42	69.72	4.15	0.01471	16.67		7.75	3.28

Source Pathway - Source Inputs

AERMOD

Line Source ID	Volume Source ID	X Coordinate [m]	Y Coordinate [m]	Base Elevation [m]	Release Height [m[	Emission Rate [g/s]	Length of Side [m]	Building Height [m]	Initial Lateral Dimencion [m]	Initial Vertical Dimencion [m]
2	L0000050	417722.33	3749018.75	69.60	4.15	0.01471	16.67		7.75	3.28
	L0000051	417722.29	3749002.09	69.48	4.15	0.01471	16.67		7.75	3.28
	L0000052	417722.26	3748985.42	69.36	4.15	0.01471	16.67		7.75	3.28
	L0000053	417722.23	3748968.75	69.24	4.15	0.01471	16.67		7.75	3.28
	L0000054	417722.19	3748952.08	69.13	4.15	0.01471	16.67		7.75	3.28
	L0000055	417722.16	3748935.41	69.01	4.15	0.01471	16.67		7.75	3.28
	L0000056	417722.12	3748918.75	68.89	4.15	0.01471	16.67		7.75	3.28
	L0000057	417722.09	3748902.08	68.77	4.15	0.01471	16.67		7.75	3.28
	L0000058	417722.06	3748885.41	68.65	4.15	0.01471	16.67		7.75	3.28
	L0000059	417722.02	3748868.74	68.53	4.15	0.01471	16.67		7.75	3.28
	L0000060	417721.98	3748852.07	68.40	4.15	0.01471	16.67		7.75	3.28
	L0000061	417721.92	3748835.41	68.26	4.15	0.01471	16.67		7.75	3.28
	L0000062	417721.87	3748818.74	68.13	4.15	0.01471	16.67		7.75	3.28
	L0000063	417721.82	3748802.07	68.00	4.15	0.01471	16.67		7.75	3.28
	L0000064	417721.77	3748785.40	67.86	4.15	0.01471	16.67		7.75	3.28
	L0000065	417721.72	3748768.73	67.73	4.15	0.01471	16.67		7.75	3.28
	L0000066	417721.67	3748752.07	67.60	4.15	0.01471	16.67		7.75	3.28
	L0000067	417721.62	3748735.40	67.46	4.15	0.01471	16.67		7.75	3.28
	L0000068	417721.57	3748718.73	67.33	4.15	0.01471	16.67		7.75	3.28

Control Pathway

AERMOD

Dispersion Options

Titles

Troy High School Improvements Project
Construction HRA

Dispersion Options

☐ Regulatory Default ☒ Non-Default Options

☒ Flat & Elevated Terrain
☐ No Stack-Tip Downwash (NOSTD)
☐ Run in Screening Mode
☐ Conversion of NOx to NO2 (OLM or PVMRM)
☐ No Checks for Non-Sequential Met Data
☒ Fast All Sources (FASTALL)
☐ Fast Area Sources (FASTAREA)
☐ Optimized Area Source Plume Depletion
☐ Gas Deposition

BETA Options:

☐ Capped and Horizontal Stack Releases
☐ Adjusted Friction Velocity (u*) in AERMET (ADJ_U*)
☐ Low Wind Options

☐ SCIM (Sampled Chronological Input Model)
☐ Ignore Urban Night / Daytime Transition (NOURBTRAN)

Dispersion Coefficient

Urban

Population:
Name (Optional):
Roughness Length:

Output Type

☒ Concentration
☐ Total Deposition (Dry & Wet)
☐ Dry Deposition
☐ Wet Deposition

Plume Depletion

☐ Dry Removal
☐ Wet Removal

Output Warnings

☐ No Output Warnings
☐ Non-fatal Warnings for Non-sequential Met Data

Pollutant / Averaging Time / Terrain Options

Pollutant Type

Averaging Time Options

Hours ☐ 1 ☐ 2 ☐ 3 ☐ 4 ☐ 6 ☐ 8 ☐ 12 ☐ 24

☐ Month ☒ Period ☐ Annual

Exponential Decay

☐ Yes ☒ No

Terrain Height Options

☐ Flat ☒ Elevated

SO: Meters
RE: Meters
TG: Meters

Flagpole Receptors

☐ Yes ☒ No

Default Height = 0.00 m

Control Pathway

Optional Files

Re-Start File	Init File	Multi-Year Analyses	Event Input File	Error Listing File
☐	☐	☐	☐	■

Detailed Error Listing File

Filename: FHS-08_TroyHS.err

Results Summary

Troy High School Improvements Project
Construction HRA

Concentration - Source Group: OFFSITE

Averaging Period	Rank	Peak	Units	X (m)	Y (m)	ZELEV (m)	ZFLAG (m)	ZHILL (m)	Peak Date, Start Hour
PERIOD		9.41293	ug/m^3	417735.99	3749383.62	72.44	0.00	72.44	

Concentration - Source Group: ONSITE

Averaging Period	Rank	Peak	Units	X (m)	Y (m)	ZELEV (m)	ZFLAG (m)	ZHILL (m)	Peak Date, Start Hour
PERIOD		11.10877	ug/m^3	417375.99	3749183.62	68.95	0.00	68.95	

Receptor Pathway

Receptor Networks

Note: Terrain Elavations and Flagpole Heights for Network Grids are in Page RE2 - 1 (If applicable)
Generated Discrete Receptors for Multi-Tier (Risk) Grid and Receptor Locations for Fenceline Grid are in Page RE3 - 1 (If applicable)

Discrete Receptors

Discrete Cartesian Receptors

Record Number	X-Coordinate [m]	Y-Coordinate [m]	Group Name (Optional)	Terrain Elevations	Flagpole Heights [m] (Optional)
1	416940.87	3749404.15		67.20	
2	416940.87	3749429.15		67.56	
3	416940.87	3749454.15		67.72	
4	416940.87	3749479.15		68.01	
5	416940.87	3749504.15		68.77	
6	416940.87	3749529.15		69.66	
7	416940.87	3749554.15		70.42	
8	416940.87	3749579.15		71.18	
9	416940.87	3749604.15		72.00	
10	416940.87	3749629.15		72.68	
11	416940.87	3749654.15		73.73	
12	416940.87	3749679.15		75.06	
13	416940.87	3749704.15		76.04	
14	416940.87	3749729.15		77.23	
15	416940.87	3749754.15		80.00	
16	416965.87	3749404.15		67.67	
17	416965.87	3749429.15		67.93	
18	416965.87	3749454.15		67.93	
19	416965.87	3749479.15		68.02	
20	416965.87	3749504.15		68.68	
21	416965.87	3749529.15		69.57	
22	416965.87	3749554.15		70.24	
23	416965.87	3749579.15		70.88	
24	416965.87	3749604.15		71.63	
25	416965.87	3749629.15		72.42	
26	416965.87	3749654.15		72.99	
27	416965.87	3749679.15		74.15	
28	416965.87	3749704.15		75.17	
29	416965.87	3749729.15		76.51	
30	416965.87	3749754.15		79.43	

31	416990.87	3749404.15	67.78
32	416990.87	3749429.15	68.01
33	416990.87	3749454.15	68.01
34	416990.87	3749479.15	68.13
35	416990.87	3749504.15	68.71
36	416990.87	3749529.15	69.56
37	416990.87	3749554.15	70.05
38	416990.87	3749579.15	70.45
39	416990.87	3749604.15	71.08
40	416990.87	3749629.15	72.17
41	416990.87	3749654.15	72.78
42	416990.87	3749679.15	73.88
43	416990.87	3749704.15	74.91
44	416990.87	3749729.15	76.37
45	416990.87	3749754.15	79.30
46	417015.87	3749404.15	67.58
47	417015.87	3749429.15	67.81
48	417015.87	3749454.15	67.87
49	417015.87	3749479.15	68.07
50	417015.87	3749504.15	68.73
51	417015.87	3749529.15	69.62
52	417015.87	3749554.15	70.08
53	417015.87	3749579.15	70.43
54	417015.87	3749604.15	71.03
55	417015.87	3749629.15	72.12
56	417015.87	3749654.15	72.75
57	417015.87	3749679.15	73.91
58	417015.87	3749704.15	74.96
59	417015.87	3749729.15	76.39
60	417015.87	3749754.15	79.19
61	417040.87	3749404.15	67.20
62	417040.87	3749429.15	67.42
63	417040.87	3749454.15	67.61
64	417040.87	3749479.15	68.02
65	417040.87	3749504.15	68.88
66	417040.87	3749529.15	69.72
67	417040.87	3749554.15	70.13
68	417040.87	3749579.15	70.42

69	417040.87	3749604.15	70.95
70	417040.87	3749629.15	71.99
71	417040.87	3749654.15	72.61
72	417040.87	3749679.15	73.57
73	417040.87	3749704.15	74.75
74	417040.87	3749729.15	76.44
75	417040.87	3749754.15	79.10
76	417065.87	3749404.15	66.95
77	417065.87	3749429.15	67.41
78	417065.87	3749454.15	67.91
79	417065.87	3749479.15	68.55
80	417065.87	3749504.15	69.31
81	417065.87	3749529.15	69.94
82	417065.87	3749554.15	70.36
83	417065.87	3749579.15	70.70
84	417065.87	3749604.15	71.14
85	417065.87	3749629.15	71.90
86	417065.87	3749654.15	72.48
87	417065.87	3749679.15	73.49
88	417065.87	3749704.15	74.71
89	417065.87	3749729.15	76.35
90	417065.87	3749754.15	78.78
91	417090.87	3749404.15	66.91
92	417090.87	3749429.15	67.69
93	417090.87	3749454.15	68.29
94	417090.87	3749479.15	68.95
95	417090.87	3749504.15	69.68
96	417090.87	3749529.15	70.05
97	417090.87	3749554.15	70.42
98	417090.87	3749579.15	70.81
99	417090.87	3749604.15	71.28
100	417090.87	3749629.15	71.97
101	417090.87	3749654.15	72.84
102	417090.87	3749679.15	73.96
103	417090.87	3749704.15	75.11
104	417090.87	3749729.15	76.36
105	417090.87	3749754.15	77.95
106	417115.87	3749429.15	67.16

107	417115.87	3749454.15	68.28
108	417115.87	3749479.15	69.05
109	417115.87	3749504.15	69.84
110	417140.87	3749454.15	67.79
111	417140.87	3749479.15	69.00
112	417140.87	3749504.15	69.97
113	417165.87	3749479.15	68.63
114	417165.87	3749504.15	69.96
115	417190.87	3749504.15	69.19
116	417754.36	3748584.70	66.88
117	417754.36	3748609.70	67.04
118	417754.36	3748634.70	67.13
119	417754.36	3748659.70	67.38
120	417754.36	3748684.70	67.64
121	417754.36	3748709.70	67.78
122	417754.36	3748734.70	67.83
123	417754.36	3748759.70	68.04
124	417754.36	3748784.70	68.23
125	417754.36	3748809.70	68.43
126	417754.36	3748834.70	68.59
127	417754.36	3748859.70	68.67
128	417754.36	3748884.70	68.71
129	417754.36	3748909.70	68.91
130	417754.36	3748934.70	69.33
131	417754.36	3748959.70	69.68
132	417754.36	3748984.70	69.94
133	417754.36	3749009.70	70.20
134	417754.36	3749034.70	70.40
135	417754.36	3749059.70	70.68
136	417754.36	3749084.70	70.90
137	417754.36	3749109.70	71.06
138	417754.36	3749134.70	71.18
139	417754.36	3749159.70	71.25
140	417754.36	3749184.70	71.91
141	417754.36	3749209.70	72.34
142	417754.36	3749234.70	72.61
143	417754.36	3749259.70	72.80
144	417754.36	3749284.70	72.91

145	417754.36	3749309.70	72.75
146	417754.36	3749334.70	72.59
147	417754.36	3749359.70	72.61
148	417754.36	3749384.70	72.77
149	417754.36	3749409.70	72.97
150	417754.36	3749434.70	73.13
151	417754.36	3749459.70	73.22
152	417754.36	3749484.70	73.29
153	417754.36	3749509.70	73.42
154	417754.36	3749534.70	73.59
155	417754.36	3749559.70	73.63
156	417754.36	3749584.70	73.74
157	417779.36	3748584.70	67.21
158	417779.36	3748609.70	67.43
159	417779.36	3748634.70	67.47
160	417779.36	3748659.70	67.87
161	417779.36	3748684.70	68.24
162	417779.36	3748709.70	68.31
163	417779.36	3748734.70	68.16
164	417779.36	3748759.70	68.31
165	417779.36	3748784.70	68.57
166	417779.36	3748809.70	68.85
167	417779.36	3748834.70	69.00
168	417779.36	3748859.70	69.01
169	417779.36	3748884.70	68.94
170	417779.36	3748909.70	68.98
171	417779.36	3748934.70	69.41
172	417779.36	3748959.70	69.74
173	417779.36	3748984.70	69.98
174	417779.36	3749009.70	70.26
175	417779.36	3749034.70	70.52
176	417779.36	3749059.70	70.90
177	417779.36	3749084.70	71.15
178	417779.36	3749109.70	71.32
179	417779.36	3749134.70	71.44
180	417779.36	3749159.70	71.58
181	417779.36	3749184.70	72.42
182	417779.36	3749209.70	72.84

183	417779.36	3749234.70	73.08
184	417779.36	3749259.70	73.24
185	417779.36	3749284.70	73.30
186	417779.36	3749309.70	73.18
187	417779.36	3749334.70	72.85
188	417779.36	3749359.70	72.76
189	417779.36	3749384.70	72.90
190	417779.36	3749409.70	73.09
191	417779.36	3749434.70	73.26
192	417779.36	3749459.70	73.55
193	417779.36	3749484.70	73.80
194	417779.36	3749509.70	74.02
195	417779.36	3749534.70	74.17
196	417779.36	3749559.70	74.19
197	417779.36	3749584.70	74.06
198	417804.36	3748584.70	67.32
199	417804.36	3748609.70	67.56
200	417804.36	3748634.70	67.76
201	417804.36	3748659.70	68.15
202	417804.36	3748684.70	68.42
203	417804.36	3748709.70	68.44
204	417804.36	3748734.70	68.36
205	417804.36	3748759.70	68.67
206	417804.36	3748784.70	68.96
207	417804.36	3748809.70	69.06
208	417804.36	3748834.70	69.11
209	417804.36	3748859.70	69.12
210	417804.36	3748884.70	69.09
211	417804.36	3748909.70	69.03
212	417804.36	3748934.70	69.48
213	417804.36	3748959.70	69.84
214	417804.36	3748984.70	70.09
215	417804.36	3749009.70	70.37
216	417804.36	3749034.70	70.67
217	417804.36	3749059.70	70.92
218	417804.36	3749084.70	71.14
219	417804.36	3749109.70	71.36
220	417804.36	3749134.70	71.61

221	417804.36	3749159.70	71.86
222	417804.36	3749184.70	72.67
223	417804.36	3749209.70	73.03
224	417804.36	3749234.70	73.21
225	417804.36	3749259.70	73.33
226	417804.36	3749284.70	73.33
227	417804.36	3749309.70	73.20
228	417804.36	3749334.70	72.94
229	417804.36	3749359.70	73.00
230	417804.36	3749384.70	73.23
231	417804.36	3749409.70	73.35
232	417804.36	3749434.70	73.49
233	417804.36	3749459.70	73.88
234	417804.36	3749484.70	74.24
235	417804.36	3749509.70	74.51
236	417804.36	3749534.70	74.63
237	417804.36	3749559.70	74.52
238	417804.36	3749584.70	74.25
239	417829.36	3748584.70	67.42
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241	417829.36	3748634.70	67.95
242	417829.36	3748659.70	68.25
243	417829.36	3748684.70	68.47
244	417829.36	3748709.70	68.49
245	417829.36	3748734.70	68.46
246	417829.36	3748759.70	68.75
247	417829.36	3748784.70	69.02
248	417829.36	3748809.70	69.08
249	417829.36	3748834.70	69.11
250	417829.36	3748859.70	69.14
251	417829.36	3748884.70	69.11
252	417829.36	3748909.70	69.13
253	417829.36	3748934.70	69.60
254	417829.36	3748959.70	69.95
255	417829.36	3748984.70	70.20
256	417829.36	3749009.70	70.47
257	417829.36	3749034.70	70.72
258	417829.36	3749059.70	70.64

259	417829.36	3749084.70	70.86
260	417829.36	3749109.70	71.30
261	417829.36	3749134.70	71.75
262	417829.36	3749159.70	72.05
263	417829.36	3749184.70	72.73
264	417829.36	3749209.70	73.10
265	417829.36	3749234.70	73.28
266	417829.36	3749259.70	73.35
267	417829.36	3749284.70	73.37
268	417829.36	3749309.70	73.26
269	417829.36	3749334.70	73.38
270	417829.36	3749359.70	73.67
271	417829.36	3749384.70	73.85
272	417829.36	3749409.70	73.77
273	417829.36	3749434.70	73.83
274	417829.36	3749459.70	74.17
275	417829.36	3749484.70	74.55
276	417829.36	3749509.70	74.79
277	417829.36	3749534.70	74.82
278	417829.36	3749559.70	74.63
279	417829.36	3749584.70	74.37
280	417854.36	3748584.70	67.62
281	417854.36	3748609.70	67.94
282	417854.36	3748634.70	68.15
283	417854.36	3748659.70	68.34
284	417854.36	3748684.70	68.53
285	417854.36	3748709.70	68.57
286	417854.36	3748734.70	68.56
287	417854.36	3748759.70	68.77
288	417854.36	3748784.70	68.88
289	417854.36	3748809.70	68.89
290	417854.36	3748834.70	68.94
291	417854.36	3748859.70	69.01
292	417854.36	3748884.70	69.06
293	417854.36	3748909.70	69.31
294	417854.36	3748934.70	69.79
295	417854.36	3748959.70	70.08
296	417854.36	3748984.70	70.29

297	417854.36	3749009.70	70.57
298	417854.36	3749034.70	70.86
299	417854.36	3749059.70	70.73
300	417854.36	3749084.70	71.01
301	417854.36	3749109.70	71.50
302	417854.36	3749134.70	71.95
303	417854.36	3749159.70	72.15
304	417854.36	3749184.70	72.62
305	417854.36	3749209.70	73.10
306	417854.36	3749234.70	73.34
307	417854.36	3749259.70	73.36
308	417854.36	3749284.70	73.38
309	417854.36	3749309.70	73.30
310	417854.36	3749334.70	73.61
311	417854.36	3749359.70	74.05
312	417854.36	3749384.70	74.33
313	417854.36	3749409.70	74.28
314	417854.36	3749434.70	74.20
315	417854.36	3749459.70	74.44
316	417854.36	3749484.70	74.78
317	417854.36	3749509.70	74.96
318	417854.36	3749534.70	74.86
319	417854.36	3749559.70	74.67
320	417854.36	3749584.70	74.49
321	417879.36	3748584.70	67.87
322	417879.36	3748609.70	68.27
323	417879.36	3748634.70	68.39
324	417879.36	3748659.70	68.55
325	417879.36	3748684.70	68.68
326	417879.36	3748709.70	68.70
327	417879.36	3748734.70	68.64
328	417879.36	3748759.70	68.66
329	417879.36	3748784.70	68.70
330	417879.36	3748809.70	68.88
331	417879.36	3748834.70	69.15
332	417879.36	3748859.70	69.39
333	417879.36	3748884.70	69.50
334	417879.36	3748909.70	69.66

335	417879.36	3748934.70	70.00
336	417879.36	3748959.70	70.23
337	417879.36	3748984.70	70.44
338	417879.36	3749009.70	70.71
339	417879.36	3749034.70	71.04
340	417879.36	3749059.70	71.12
341	417879.36	3749084.70	71.46
342	417879.36	3749109.70	71.89
343	417879.36	3749134.70	72.22
344	417879.36	3749159.70	72.32
345	417879.36	3749184.70	72.64
346	417879.36	3749209.70	73.05
347	417879.36	3749234.70	73.29
348	417879.36	3749259.70	73.36
349	417879.36	3749284.70	73.45
350	417879.36	3749309.70	73.53
351	417879.36	3749334.70	73.83
352	417879.36	3749359.70	74.19
353	417879.36	3749384.70	74.44
354	417879.36	3749409.70	74.45
355	417879.36	3749434.70	74.36
356	417879.36	3749459.70	74.63
357	417879.36	3749484.70	74.95
358	417879.36	3749509.70	75.07
359	417879.36	3749534.70	74.95
360	417879.36	3749559.70	74.83
361	417879.36	3749584.70	74.67
362	417904.36	3748584.70	68.02
363	417904.36	3748609.70	68.40
364	417904.36	3748634.70	68.48
365	417904.36	3748659.70	68.75
366	417904.36	3748684.70	68.89
367	417904.36	3748709.70	68.90
368	417904.36	3748734.70	68.88
369	417904.36	3748759.70	68.97
370	417904.36	3748784.70	69.10
371	417904.36	3748809.70	69.51
372	417904.36	3748834.70	69.80

373	417904.36	3748859.70	69.92
374	417904.36	3748884.70	69.94
375	417904.36	3748909.70	70.05
376	417904.36	3748934.70	70.18
377	417904.36	3748959.70	70.34
378	417904.36	3748984.70	70.54
379	417904.36	3749009.70	70.78
380	417904.36	3749034.70	71.15
381	417904.36	3749059.70	71.43
382	417904.36	3749084.70	71.77
383	417904.36	3749109.70	72.11
384	417904.36	3749134.70	72.38
385	417904.36	3749159.70	72.52
386	417904.36	3749184.70	72.77
387	417904.36	3749209.70	73.06
388	417904.36	3749234.70	73.26
389	417904.36	3749259.70	73.40
390	417904.36	3749284.70	73.59
391	417904.36	3749309.70	73.86
392	417904.36	3749334.70	74.16
393	417904.36	3749359.70	74.36
394	417904.36	3749384.70	74.47
395	417904.36	3749409.70	74.51
396	417904.36	3749434.70	74.45
397	417904.36	3749459.70	74.77
398	417904.36	3749484.70	75.06
399	417904.36	3749509.70	75.17
400	417904.36	3749534.70	75.13
401	417904.36	3749559.70	75.09
402	417904.36	3749584.70	74.92
403	417929.36	3748584.70	68.06
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405	417929.36	3748634.70	68.45
406	417929.36	3748659.70	68.73
407	417929.36	3748684.70	68.90
408	417929.36	3748709.70	69.01
409	417929.36	3748734.70	69.16
410	417929.36	3748759.70	69.54

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413	417929.36	3748834.70	70.10
414	417929.36	3748859.70	70.11
415	417929.36	3748884.70	70.08
416	417929.36	3748909.70	70.04
417	417929.36	3748934.70	70.15
418	417929.36	3748959.70	70.38
419	417929.36	3748984.70	70.63
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421	417929.36	3749034.70	71.22
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423	417929.36	3749084.70	71.88
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425	417929.36	3749134.70	72.38
426	417929.36	3749159.70	72.60
427	417929.36	3749184.70	72.85
428	417929.36	3749209.70	73.15
429	417929.36	3749234.70	73.33
430	417929.36	3749259.70	73.43
431	417929.36	3749284.70	73.58
432	417929.36	3749309.70	73.91
433	417929.36	3749334.70	74.22
434	417929.36	3749359.70	74.51
435	417929.36	3749384.70	74.98
436	417929.36	3749409.70	75.49
437	417929.36	3749434.70	75.10
438	417929.36	3749459.70	75.09
439	417929.36	3749484.70	75.15
440	417929.36	3749509.70	75.19
441	417929.36	3749534.70	75.20
442	417929.36	3749559.70	75.21
443	417929.36	3749584.70	75.12
444	417954.36	3748584.70	68.31
445	417954.36	3748609.70	68.53
446	417954.36	3748634.70	68.53
447	417954.36	3748659.70	68.66
448	417954.36	3748684.70	68.77

449	417954.36	3748709.70	68.90
450	417954.36	3748734.70	69.16
451	417954.36	3748759.70	69.65
452	417954.36	3748784.70	69.97
453	417954.36	3748809.70	70.04
454	417954.36	3748834.70	70.01
455	417954.36	3748859.70	69.97
456	417954.36	3748884.70	69.97
457	417954.36	3748909.70	70.06
458	417954.36	3748934.70	70.25
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460	417954.36	3748984.70	70.75
461	417954.36	3749009.70	70.97
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463	417954.36	3749059.70	71.68
464	417954.36	3749084.70	71.94
465	417954.36	3749109.70	72.20
466	417954.36	3749134.70	72.36
467	417954.36	3749159.70	72.23
468	417954.36	3749184.70	72.47
469	417954.36	3749209.70	73.04
470	417954.36	3749234.70	73.35
471	417954.36	3749259.70	73.38
472	417954.36	3749284.70	73.38
473	417954.36	3749309.70	73.61
474	417954.36	3749334.70	73.93
475	417954.36	3749359.70	74.43
476	417954.36	3749384.70	75.31
477	417954.36	3749409.70	76.22
478	417954.36	3749434.70	75.61
479	417954.36	3749459.70	75.42
480	417954.36	3749484.70	75.24
481	417954.36	3749509.70	75.16
482	417954.36	3749534.70	75.19
483	417954.36	3749559.70	75.24
484	417954.36	3749584.70	75.29
485	417979.36	3748584.70	68.31
486	417979.36	3748609.70	68.55

487	417979.36	3748634.70	68.56
488	417979.36	3748659.70	68.63
489	417979.36	3748684.70	68.69
490	417979.36	3748709.70	68.85
491	417979.36	3748734.70	69.13
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493	417979.36	3748784.70	69.65
494	417979.36	3748809.70	69.71
495	417979.36	3748834.70	69.75
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497	417979.36	3748884.70	70.47
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507	417979.36	3749134.70	72.33
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511	417979.36	3749234.70	73.37
512	417979.36	3749259.70	73.37
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516	417979.36	3749359.70	74.14
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521	417979.36	3749484.70	75.35
522	417979.36	3749509.70	75.33
523	417979.36	3749534.70	75.39
524	417979.36	3749559.70	75.48

525	417979.36	3749584.70	75.52
526	418004.36	3748584.70	68.57
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532	418004.36	3748734.70	69.67
533	418004.36	3748759.70	69.80
534	418004.36	3748784.70	69.78
535	418004.36	3748809.70	69.84
536	418004.36	3748834.70	69.93
537	418004.36	3748859.70	70.21
538	418004.36	3748884.70	70.75
539	418004.36	3748909.70	71.05
540	418004.36	3748934.70	71.14
541	418004.36	3748959.70	71.07
542	418004.36	3748984.70	71.02
543	418004.36	3749009.70	71.16
544	418004.36	3749034.70	71.59
545	418004.36	3749059.70	71.99
546	418004.36	3749084.70	72.32
547	418004.36	3749109.70	72.29
548	418004.36	3749134.70	71.97
549	418004.36	3749159.70	71.72
550	418004.36	3749184.70	72.41
551	418004.36	3749209.70	73.06
552	418004.36	3749234.70	73.38
553	418004.36	3749259.70	73.41
554	418004.36	3749284.70	73.36
555	418004.36	3749309.70	73.29
556	418004.36	3749334.70	73.51
557	418004.36	3749359.70	73.90
558	418004.36	3749384.70	74.31
559	418004.36	3749409.70	74.59
560	418004.36	3749434.70	74.61
561	418004.36	3749459.70	75.21
562	418004.36	3749484.70	75.63

563	418004.36	3749509.70	75.90
564	418004.36	3749534.70	76.05
565	418004.36	3749559.70	76.06
566	418004.36	3749584.70	75.85
567	418029.36	3748584.70	68.82
568	418029.36	3748609.70	69.30
569	418029.36	3748634.70	69.33
570	418029.36	3748659.70	69.35
571	418029.36	3748684.70	69.37
572	418029.36	3748709.70	69.60
573	418029.36	3748734.70	69.89
574	418029.36	3748759.70	69.96
575	418029.36	3748784.70	69.94
576	418029.36	3748809.70	69.98
577	418029.36	3748834.70	70.07
578	418029.36	3748859.70	70.32
579	418029.36	3748884.70	70.73
580	418029.36	3748909.70	70.97
581	418029.36	3748934.70	71.14
582	418029.36	3748959.70	71.13
583	418029.36	3748984.70	71.12
584	418029.36	3749009.70	71.30
585	418029.36	3749034.70	71.77
586	418029.36	3749059.70	72.20
587	418029.36	3749084.70	72.51
588	418029.36	3749109.70	72.35
589	418029.36	3749134.70	71.94
590	418029.36	3749159.70	71.92
591	418029.36	3749184.70	72.65
592	418029.36	3749209.70	73.13
593	418029.36	3749234.70	73.37
594	418029.36	3749259.70	73.44
595	418029.36	3749284.70	73.43
596	418029.36	3749309.70	73.34
597	418029.36	3749334.70	73.59
598	418029.36	3749359.70	73.81
599	418029.36	3749384.70	73.96
600	418029.36	3749409.70	74.12

601	418029.36	3749434.70	74.55
602	418029.36	3749459.70	75.34
603	418029.36	3749484.70	76.01
604	418029.36	3749509.70	76.45
605	418029.36	3749534.70	76.63
606	418029.36	3749559.70	76.57
607	418029.36	3749584.70	76.14
608	418054.36	3748584.70	68.89
609	418054.36	3748609.70	69.38
610	418054.36	3748634.70	69.35
611	418054.36	3748659.70	69.36
612	418054.36	3748684.70	69.35
613	418054.36	3748709.70	69.45
614	418054.36	3748734.70	69.65
615	418054.36	3748759.70	69.80
616	418054.36	3748784.70	69.85
617	418054.36	3748809.70	69.90
618	418054.36	3748834.70	70.04
619	418054.36	3748859.70	70.30
620	418054.36	3748884.70	70.61
621	418054.36	3748909.70	70.79
622	418054.36	3748934.70	70.99
623	418054.36	3748959.70	71.06
624	418054.36	3748984.70	71.16
625	418054.36	3749009.70	71.43
626	418054.36	3749034.70	71.91
627	418054.36	3749059.70	72.33
628	418054.36	3749084.70	72.55
629	418054.36	3749109.70	72.55
630	418054.36	3749134.70	72.46
631	418054.36	3749159.70	72.52
632	418054.36	3749184.70	72.82
633	418054.36	3749209.70	73.15
634	418054.36	3749234.70	73.36
635	418054.36	3749259.70	73.44
636	418054.36	3749284.70	73.44
637	418054.36	3749309.70	73.36
638	418054.36	3749334.70	73.56

639	418054.36	3749359.70	73.59
640	418054.36	3749384.70	73.60
641	418054.36	3749409.70	73.82
642	418054.36	3749434.70	74.55
643	418054.36	3749459.70	75.45
644	418054.36	3749484.70	76.18
645	418054.36	3749509.70	76.62
646	418054.36	3749534.70	76.77
647	418054.36	3749559.70	76.72
648	418054.36	3749584.70	76.31
649	417640.29	3749034.63	70.57
650	417640.29	3749059.63	70.69
651	417640.29	3749084.63	70.69
652	417640.29	3749109.63	70.66
653	417640.29	3749134.63	70.70
654	417640.29	3749159.63	70.86
655	417640.29	3749184.63	71.26
656	417640.29	3749209.63	71.53
657	417640.29	3749234.63	71.65
658	417640.29	3749259.63	71.66
659	417640.29	3749284.63	71.59
660	417640.29	3749309.63	71.82
661	417640.29	3749334.63	71.85
662	417640.29	3749359.63	71.85
663	417665.29	3749034.63	70.69
664	417665.29	3749059.63	70.87
665	417665.29	3749084.63	70.90
666	417665.29	3749109.63	70.86
667	417665.29	3749134.63	70.86
668	417665.29	3749159.63	71.04
669	417665.29	3749184.63	71.35
670	417665.29	3749209.63	71.55
671	417665.29	3749234.63	71.71
672	417665.29	3749259.63	71.90
673	417665.29	3749284.63	72.06
674	417665.29	3749309.63	72.29
675	417665.29	3749334.63	72.11
676	417665.29	3749359.63	71.96

677	417690.29	3749034.63	70.56
678	417690.29	3749059.63	70.76
679	417690.29	3749084.63	70.83
680	417690.29	3749109.63	70.83
681	417690.29	3749134.63	70.84
682	417690.29	3749159.63	71.03
683	417690.29	3749184.63	71.26
684	417690.29	3749209.63	71.42
685	417690.29	3749234.63	71.62
686	417690.29	3749259.63	71.94
687	417690.29	3749284.63	72.30
688	417690.29	3749309.63	72.30
689	417690.29	3749334.63	72.06
690	417690.29	3749359.63	72.01
691	417284.42	3749355.15	69.18
692	417309.42	3749355.15	69.26
693	417334.42	3749355.15	69.40
694	417359.42	3749355.15	69.64
695	417384.42	3749355.15	69.79
696	417409.42	3749355.15	69.86
697	417434.42	3749355.15	70.01
698	417459.42	3749355.15	70.17
699	417484.42	3749230.15	69.90
700	417484.42	3749255.15	70.07
701	417484.42	3749280.15	70.25
702	417484.42	3749305.15	70.19
703	417484.42	3749330.15	70.14
704	417484.42	3749355.15	70.25
705	417509.42	3749180.15	69.74
706	417509.42	3749205.15	69.84
707	417509.42	3749230.15	69.95
708	417509.42	3749255.15	70.03
709	417509.42	3749280.15	70.14
710	417509.42	3749305.15	70.03
711	417509.42	3749330.15	70.08
712	417509.42	3749355.15	70.34
713	417534.42	3749230.15	70.20
714	417534.42	3749255.15	70.22

715	417534.42	3749280.15	70.16
716	417534.42	3749305.15	70.01
717	417534.42	3749330.15	70.12
718	417534.42	3749355.15	70.50
719	417559.42	3749205.15	70.51
720	417559.42	3749230.15	70.75
721	417559.42	3749255.15	70.72
722	417559.42	3749280.15	70.45
723	417559.42	3749305.15	70.26
724	417559.42	3749330.15	70.34
725	417559.42	3749355.15	70.68
726	417584.42	3749205.15	70.71
727	417584.42	3749230.15	70.96
728	417584.42	3749255.15	70.89
729	417584.42	3749280.15	70.64
730	417584.42	3749305.15	70.54
731	417584.42	3749330.15	70.62
732	417584.42	3749355.15	70.84
733	417609.42	3749205.15	70.93
734	417609.42	3749230.15	71.14
735	417609.42	3749255.15	71.08
736	417609.42	3749280.15	70.93
737	417609.42	3749305.15	70.93
738	417609.42	3749330.15	71.02
739	417609.42	3749355.15	71.20
740	417218.89	3749228.84	67.76
741	417218.89	3749248.84	67.94
742	417218.89	3749268.84	68.12
743	417238.89	3749228.84	68.13
744	417238.89	3749248.84	68.21
745	417238.89	3749268.84	68.35
746	417238.89	3749288.84	68.52
747	417238.89	3749308.84	68.68
748	417238.89	3749328.84	68.73
749	417238.89	3749348.84	68.70
750	416937.81	3748732.27	62.31
751	416937.81	3748757.27	62.48
752	416937.81	3748782.27	62.72

753	416937.81	3748807.27	62.95
754	416937.81	3748832.27	63.15
755	416937.81	3748857.27	63.34
756	416937.81	3748882.27	63.54
757	416937.81	3748907.27	63.62
758	416937.81	3748932.27	63.80
759	416937.81	3748957.27	64.16
760	416937.81	3748982.27	64.45
761	416937.81	3749007.27	64.71
762	416937.81	3749032.27	64.96
763	416937.81	3749057.27	65.15
764	416937.81	3749082.27	65.27
765	416937.81	3749107.27	65.31
766	416937.81	3749132.27	65.30
767	416937.81	3749157.27	65.05
768	416937.81	3749182.27	64.94
769	416937.81	3749207.27	64.43
770	416937.81	3749232.27	63.33
771	416937.81	3749257.27	64.66
772	416937.81	3749282.27	65.82
773	416937.81	3749307.27	66.40
774	416937.81	3749332.27	66.42
775	416937.81	3749357.27	66.21
776	416962.81	3748732.27	62.53
777	416962.81	3748757.27	62.80
778	416962.81	3748782.27	63.09
779	416962.81	3748807.27	63.34
780	416962.81	3748832.27	63.54
781	416962.81	3748857.27	63.71
782	416962.81	3748882.27	63.89
783	416962.81	3748907.27	63.90
784	416962.81	3748932.27	64.08
785	416962.81	3748957.27	64.52
786	416962.81	3748982.27	64.84
787	416962.81	3749007.27	65.05
788	416962.81	3749032.27	65.27
789	416962.81	3749057.27	65.45
790	416962.81	3749082.27	65.58

791	416962.81	3749107.27	65.67
792	416962.81	3749132.27	65.81
793	416962.81	3749157.27	65.68
794	416962.81	3749182.27	65.64
795	416962.81	3749207.27	64.93
796	416962.81	3749232.27	63.36
797	416962.81	3749257.27	64.59
798	416962.81	3749282.27	66.10
799	416962.81	3749307.27	66.82
800	416962.81	3749332.27	66.75
801	416962.81	3749357.27	66.42
802	416987.81	3748732.27	62.67
803	416987.81	3748757.27	62.94
804	416987.81	3748782.27	63.23
805	416987.81	3748807.27	63.46
806	416987.81	3748832.27	63.63
807	416987.81	3748857.27	63.79
808	416987.81	3748882.27	63.94
809	416987.81	3748907.27	63.94
810	416987.81	3748932.27	64.11
811	416987.81	3748957.27	64.52
812	416987.81	3748982.27	64.82
813	416987.81	3749007.27	64.97
814	416987.81	3749032.27	65.14
815	416987.81	3749057.27	65.30
816	416987.81	3749082.27	65.44
817	416987.81	3749107.27	65.58
818	416987.81	3749132.27	65.73
819	416987.81	3749157.27	65.74
820	416987.81	3749182.27	65.85
821	416987.81	3749207.27	65.34
822	416987.81	3749232.27	63.92
823	416987.81	3749257.27	63.97
824	416987.81	3749282.27	65.75
825	416987.81	3749307.27	66.45
826	416987.81	3749332.27	66.34
827	416987.81	3749357.27	66.23
828	417012.81	3748732.27	62.93

829	417012.81	3748757.27	63.00
830	417012.81	3748782.27	63.15
831	417012.81	3748807.27	63.33
832	417012.81	3748832.27	63.49
833	417012.81	3748857.27	63.65
834	417012.81	3748882.27	63.82
835	417012.81	3748907.27	63.93
836	417012.81	3748932.27	64.15
837	417012.81	3748957.27	64.50
838	417012.81	3748982.27	64.78
839	417012.81	3749007.27	64.93
840	417012.81	3749032.27	65.10
841	417012.81	3749057.27	65.26
842	417012.81	3749082.27	65.41
843	417012.81	3749107.27	65.55
844	417012.81	3749132.27	65.68
845	417012.81	3749157.27	65.78
846	417012.81	3749182.27	65.95
847	417012.81	3749207.27	65.82
848	417012.81	3749232.27	64.88
849	417012.81	3749257.27	62.67
850	417012.81	3749282.27	64.18
851	417012.81	3749307.27	65.40
852	417012.81	3749332.27	65.89
853	417012.81	3749357.27	66.09
854	417037.81	3748732.27	63.38
855	417037.81	3748757.27	63.46
856	417037.81	3748782.27	63.59
857	417037.81	3748807.27	63.74
858	417037.81	3748832.27	63.90
859	417037.81	3748857.27	64.10
860	417037.81	3748882.27	64.26
861	417037.81	3748907.27	64.28
862	417037.81	3748932.27	64.49
863	417037.81	3748957.27	64.93
864	417037.81	3748982.27	65.28
865	417037.81	3749007.27	65.46
866	417037.81	3749032.27	65.64

867	417037.81	3749057.27	65.80
868	417037.81	3749082.27	65.94
869	417037.81	3749107.27	66.09
870	417037.81	3749132.27	66.20
871	417037.81	3749157.27	66.24
872	417037.81	3749182.27	66.21
873	417037.81	3749207.27	66.24
874	417037.81	3749232.27	66.14
875	417037.81	3749257.27	64.63
876	417037.81	3749282.27	63.16
877	417037.81	3749307.27	63.24
878	417037.81	3749332.27	64.25
879	417037.81	3749357.27	65.54
880	417062.81	3748732.27	63.67
881	417062.81	3748757.27	63.75
882	417062.81	3748782.27	63.86
883	417062.81	3748807.27	63.98
884	417062.81	3748832.27	64.15
885	417062.81	3748857.27	64.44
886	417062.81	3748882.27	64.78
887	417062.81	3748907.27	64.71
888	417062.81	3748932.27	64.78
889	417062.81	3748957.27	65.16
890	417062.81	3748982.27	65.55
891	417062.81	3749007.27	65.84
892	417062.81	3749032.27	66.06
893	417062.81	3749057.27	66.19
894	417062.81	3749082.27	66.28
895	417062.81	3749107.27	66.37
896	417062.81	3749132.27	66.43
897	417062.81	3749157.27	66.49
898	417062.81	3749182.27	66.42
899	417062.81	3749207.27	66.38
900	417062.81	3749232.27	66.48
901	417062.81	3749257.27	66.64
902	417062.81	3749282.27	66.15
903	417062.81	3749307.27	65.17
904	417062.81	3749332.27	64.53

905	417062.81	3749357.27	64.86
906	417087.81	3748732.27	63.93
907	417087.81	3748757.27	63.99
908	417087.81	3748782.27	64.07
909	417087.81	3748807.27	64.17
910	417087.81	3748832.27	64.35
911	417087.81	3748857.27	64.61
912	417087.81	3748882.27	64.97
913	417087.81	3748907.27	64.93
914	417087.81	3748932.27	64.84
915	417087.81	3748957.27	64.93
916	417087.81	3748982.27	65.21
917	417087.81	3749007.27	65.40
918	417087.81	3749032.27	65.61
919	417087.81	3749057.27	65.81
920	417087.81	3749082.27	65.96
921	417087.81	3749107.27	66.05
922	417087.81	3749132.27	66.15
923	417087.81	3749157.27	66.25
924	417087.81	3749182.27	66.34
925	417087.81	3749207.27	66.47
926	417087.81	3749232.27	66.63
927	417087.81	3749257.27	66.74
928	417087.81	3749282.27	66.90
929	417087.81	3749307.27	66.89
930	417087.81	3749332.27	66.42
931	417087.81	3749357.27	65.79
932	417112.81	3748732.27	64.04
933	417112.81	3748757.27	64.09
934	417112.81	3748782.27	64.17
935	417112.81	3748807.27	64.28
936	417112.81	3748832.27	64.43
937	417112.81	3748857.27	64.57
938	417112.81	3748882.27	64.77
939	417112.81	3748907.27	64.90
940	417112.81	3748932.27	65.03
941	417112.81	3748957.27	65.23
942	417112.81	3748982.27	65.61

943	417112.81	3749007.27	65.67
944	417112.81	3749032.27	65.83
945	417112.81	3749057.27	66.08
946	417112.81	3749082.27	66.28
947	417112.81	3749107.27	66.31
948	417112.81	3749132.27	66.50
949	417112.81	3749157.27	66.64
950	417112.81	3749182.27	66.76
951	417112.81	3749207.27	66.90
952	417112.81	3749232.27	67.07
953	417112.81	3749257.27	67.17
954	417112.81	3749282.27	67.08
955	417112.81	3749307.27	67.12
956	417112.81	3749332.27	66.94
957	417112.81	3749357.27	66.28
958	417137.81	3748732.27	64.22
959	417137.81	3748757.27	64.27
960	417137.81	3748782.27	64.35
961	417137.81	3748807.27	64.46
962	417137.81	3748832.27	64.60
963	417137.81	3748857.27	64.74
964	417137.81	3748882.27	65.05
965	417137.81	3748907.27	65.37
966	417137.81	3748932.27	65.44
967	417137.81	3748957.27	65.44
968	417137.81	3748982.27	65.82
969	417137.81	3749007.27	66.03
970	417137.81	3749032.27	66.04
971	417137.81	3749057.27	66.32
972	417137.81	3749082.27	66.64
973	417137.81	3749107.27	66.69
974	417137.81	3749132.27	66.79
975	417137.81	3749157.27	67.09
976	417137.81	3749182.27	67.31
977	417137.81	3749207.27	67.47
978	417137.81	3749232.27	67.59
979	417137.81	3749257.27	67.66
980	417137.81	3749282.27	67.41

981	417137.81	3749307.27	67.37
982	417137.81	3749332.27	67.26
983	417137.81	3749357.27	67.09
984	417162.81	3748732.27	64.45
985	417162.81	3748757.27	64.54
986	417162.81	3748782.27	64.60
987	417162.81	3748807.27	64.70
988	417162.81	3748832.27	64.86
989	417162.81	3748857.27	65.03
990	417162.81	3748882.27	65.42
991	417162.81	3748907.27	65.77
992	417162.81	3748932.27	65.79
993	417162.81	3748957.27	65.68
994	417162.81	3748982.27	65.91
995	417162.81	3749007.27	66.19
996	417162.81	3749032.27	66.16
997	417162.81	3749057.27	66.44
998	417162.81	3749082.27	66.84
999	417162.81	3749107.27	66.98
1,000	417162.81	3749132.27	66.95
1,001	417162.81	3749157.27	67.29
1,002	417162.81	3749182.27	67.54
1,003	417162.81	3749207.27	67.69
1,004	417162.81	3749232.27	67.78
1,005	417162.81	3749257.27	67.80
1,006	417162.81	3749282.27	67.63
1,007	417162.81	3749307.27	67.71
1,008	417162.81	3749332.27	67.67
1,009	417162.81	3749357.27	67.65
1,010	417187.81	3748732.27	64.75
1,011	417187.81	3748757.27	64.87
1,012	417187.81	3748782.27	64.96
1,013	417187.81	3748807.27	65.08
1,014	417187.81	3748832.27	65.26
1,015	417187.81	3748857.27	65.50
1,016	417187.81	3748882.27	65.79
1,017	417187.81	3748907.27	66.03
1,018	417187.81	3748932.27	66.03

1,019	417187.81	3748957.27	65.96
1,020	417187.81	3748982.27	66.18
1,021	417187.81	3749007.27	66.38
1,022	417187.81	3749032.27	66.34
1,023	417187.81	3749057.27	66.52
1,024	417187.81	3749082.27	66.81
1,025	417187.81	3749107.27	66.95
1,026	417187.81	3749132.27	66.96
1,027	417187.81	3749157.27	67.15
1,028	417187.81	3749182.27	67.32
1,029	417187.81	3749207.27	67.47
1,030	417187.81	3749232.27	67.61
1,031	417187.81	3749257.27	67.73
1,032	417187.81	3749282.27	67.82
1,033	417187.81	3749307.27	68.03
1,034	417187.81	3749332.27	68.08
1,035	417187.81	3749357.27	68.04
1,036	417212.81	3748732.27	65.36
1,037	417212.81	3748757.27	65.44
1,038	417212.81	3748782.27	65.52
1,039	417212.81	3748807.27	65.61
1,040	417212.81	3748832.27	65.71
1,041	417212.81	3748857.27	65.87
1,042	417212.81	3748882.27	66.00
1,043	417212.81	3748907.27	66.12
1,044	417212.81	3748932.27	66.13
1,045	417212.81	3748957.27	66.18
1,046	417212.81	3748982.27	66.48
1,047	417212.81	3749007.27	66.62
1,048	417212.81	3749282.27	68.16
1,049	417212.81	3749307.27	68.39
1,050	417212.81	3749332.27	68.46
1,051	417212.81	3749357.27	68.47
1,052	417237.81	3748732.27	65.43
1,053	417237.81	3748757.27	65.51
1,054	417237.81	3748782.27	65.59
1,055	417237.81	3748807.27	65.66
1,056	417237.81	3748832.27	65.73

1,057	417237.81	3748857.27	65.82
1,058	417237.81	3748882.27	65.91
1,059	417237.81	3748907.27	66.03
1,060	417237.81	3748932.27	66.15
1,061	417237.81	3748957.27	66.36
1,062	417237.81	3748982.27	66.72
1,063	417237.81	3749007.27	66.84
1,064	417262.81	3748732.27	65.63
1,065	417262.81	3748757.27	65.72
1,066	417262.81	3748782.27	65.83
1,067	417262.81	3748807.27	65.93
1,068	417262.81	3748832.27	66.00
1,069	417262.81	3748857.27	66.08
1,070	417262.81	3748882.27	66.21
1,071	417262.81	3748907.27	66.35
1,072	417262.81	3748932.27	66.46
1,073	417262.81	3748957.27	66.63
1,074	417262.81	3748982.27	66.95
1,075	417262.81	3749007.27	67.09
1,076	417287.81	3748732.27	65.82
1,077	417287.81	3748757.27	65.94
1,078	417287.81	3748782.27	66.08
1,079	417287.81	3748807.27	66.22
1,080	417287.81	3748832.27	66.36
1,081	417287.81	3748857.27	66.51
1,082	417287.81	3748882.27	66.68
1,083	417287.81	3748907.27	66.82
1,084	417287.81	3748932.27	66.87
1,085	417287.81	3748957.27	66.99
1,086	417287.81	3748982.27	67.33
1,087	417287.81	3749007.27	67.51
1,088	417312.81	3748732.27	65.72
1,089	417312.81	3748757.27	65.85
1,090	417312.81	3748782.27	65.99
1,091	417312.81	3748807.27	66.14
1,092	417312.81	3748832.27	66.29
1,093	417312.81	3748857.27	66.45
1,094	417312.81	3748882.27	66.65

1,095	417312.81	3748907.27	66.85
1,096	417312.81	3748932.27	67.00
1,097	417312.81	3748957.27	67.18
1,098	417312.81	3748982.27	67.51
1,099	417312.81	3749007.27	67.76
1,100	417312.81	3749032.27	67.76
1,101	417337.81	3748732.27	65.74
1,102	417337.81	3748757.27	65.87
1,103	417337.81	3748782.27	66.03
1,104	417337.81	3748807.27	66.19
1,105	417337.81	3748832.27	66.36
1,106	417337.81	3748857.27	66.53
1,107	417337.81	3748882.27	66.77
1,108	417337.81	3748907.27	67.02
1,109	417337.81	3748932.27	67.24
1,110	417337.81	3748957.27	67.48
1,111	417337.81	3748982.27	67.76
1,112	417337.81	3749007.27	67.81
1,113	417362.81	3748732.27	66.04
1,114	417362.81	3748757.27	66.18
1,115	417362.81	3748782.27	66.35
1,116	417362.81	3748807.27	66.54
1,117	417362.81	3748832.27	66.74
1,118	417362.81	3748857.27	66.94
1,119	417362.81	3748882.27	67.21
1,120	417362.81	3748907.27	67.46
1,121	417362.81	3748932.27	67.65
1,122	417362.81	3748957.27	67.90
1,123	417362.81	3748982.27	68.23
1,124	417362.81	3749007.27	68.05
1,125	417387.81	3748732.27	66.13
1,126	417387.81	3748757.27	66.30
1,127	417387.81	3748782.27	66.46
1,128	417387.81	3748807.27	66.66
1,129	417387.81	3748832.27	66.89
1,130	417387.81	3748857.27	67.13
1,131	417387.81	3748882.27	67.42
1,132	417387.81	3748907.27	67.66

1,133	417387.81	3748932.27	67.86
1,134	417387.81	3748957.27	68.16
1,135	417387.81	3748982.27	68.52
1,136	417412.81	3748732.27	66.06
1,137	417412.81	3748757.27	66.21
1,138	417412.81	3748782.27	66.40
1,139	417412.81	3748807.27	66.62
1,140	417412.81	3748832.27	66.86
1,141	417412.81	3748857.27	67.13
1,142	417412.81	3748882.27	67.40
1,143	417412.81	3748907.27	67.65
1,144	417412.81	3748932.27	67.94
1,145	417412.81	3748957.27	68.33
1,146	417412.81	3748982.27	68.75
1,147	417437.81	3748732.27	66.29
1,148	417437.81	3748757.27	66.47
1,149	417437.81	3748782.27	66.67
1,150	417437.81	3748807.27	66.88
1,151	417437.81	3748832.27	67.11
1,152	417437.81	3748857.27	67.35
1,153	417437.81	3748882.27	67.63
1,154	417437.81	3748907.27	67.87
1,155	417437.81	3748932.27	68.11
1,156	417437.81	3748957.27	68.48
1,157	417437.81	3748982.27	68.93
1,158	417462.81	3748732.27	66.64
1,159	417462.81	3748757.27	67.00
1,160	417462.81	3748782.27	67.16
1,161	417462.81	3748807.27	67.28
1,162	417462.81	3748832.27	67.42
1,163	417462.81	3748857.27	67.59
1,164	417462.81	3748882.27	67.86
1,165	417462.81	3748907.27	68.10
1,166	417462.81	3748932.27	68.29
1,167	417462.81	3748957.27	68.61
1,168	417462.81	3748982.27	69.09
1,169	417487.81	3748732.27	66.84
1,170	417487.81	3748757.27	67.15

1,171	417487.81	3748782.27	67.16
1,172	417487.81	3748807.27	67.21
1,173	417487.81	3748832.27	67.33
1,174	417487.81	3748857.27	67.45
1,175	417487.81	3748882.27	67.73
1,176	417487.81	3748907.27	68.06
1,177	417487.81	3748932.27	68.34
1,178	417487.81	3748957.27	68.73
1,179	417487.81	3748982.27	69.27
1,180	417512.81	3748732.27	66.91
1,181	417512.81	3748757.27	67.06
1,182	417512.81	3748782.27	67.04
1,183	417512.81	3748807.27	67.23
1,184	417512.81	3748832.27	67.48
1,185	417512.81	3748857.27	67.53
1,186	417512.81	3748882.27	67.85
1,187	417512.81	3748907.27	68.32
1,188	417512.81	3748932.27	68.56
1,189	417512.81	3748957.27	68.88
1,190	417512.81	3748982.27	69.42
1,191	417537.81	3748732.27	67.00
1,192	417537.81	3748757.27	67.01
1,193	417537.81	3748782.27	67.02
1,194	417537.81	3748807.27	67.38
1,195	417537.81	3748832.27	67.75
1,196	417537.81	3748857.27	67.74
1,197	417537.81	3748882.27	68.14
1,198	417537.81	3748907.27	68.66
1,199	417537.81	3748932.27	68.80
1,200	417537.81	3748957.27	69.02
1,201	417537.81	3748982.27	69.52
1,202	417562.81	3748732.27	66.79
1,203	417562.81	3748757.27	66.80
1,204	417562.81	3748782.27	66.93
1,205	417562.81	3748807.27	67.40
1,206	417562.81	3748832.27	67.83
1,207	417562.81	3748857.27	67.84
1,208	417562.81	3748882.27	68.27

1,209	417562.81	3748907.27	68.80
1,210	417562.81	3748932.27	68.93
1,211	417562.81	3748957.27	69.13
1,212	417562.81	3748982.27	69.61
1,213	417587.81	3748732.27	66.66
1,214	417587.81	3748757.27	66.76
1,215	417587.81	3748782.27	66.99
1,216	417587.81	3748807.27	67.48
1,217	417587.81	3748832.27	67.89
1,218	417587.81	3748857.27	67.91
1,219	417587.81	3748882.27	68.33
1,220	417587.81	3748907.27	68.90
1,221	417587.81	3748932.27	69.04
1,222	417587.81	3748957.27	69.24
1,223	417587.81	3748982.27	69.71
1,224	417612.81	3748732.27	66.88
1,225	417612.81	3748757.27	67.10
1,226	417612.81	3748782.27	67.42
1,227	417612.81	3748807.27	67.83
1,228	417612.81	3748832.27	68.07
1,229	417612.81	3748857.27	67.99
1,230	417612.81	3748882.27	68.35
1,231	417612.81	3748907.27	68.95
1,232	417612.81	3748932.27	69.11
1,233	417612.81	3748957.27	69.35
1,234	417612.81	3748982.27	69.84
1,235	417637.81	3748732.27	66.98
1,236	417637.81	3748757.27	67.25
1,237	417637.81	3748782.27	67.68
1,238	417637.81	3748807.27	68.05
1,239	417637.81	3748832.27	68.16
1,240	417637.81	3748857.27	68.02
1,241	417637.81	3748882.27	68.33
1,242	417637.81	3748907.27	68.87
1,243	417637.81	3748932.27	69.10
1,244	417637.81	3748957.27	69.37
1,245	417637.81	3748982.27	69.85
1,246	417662.81	3748732.27	66.93

1,247	417662.81	3748757.27	67.18
1,248	417662.81	3748782.27	67.65
1,249	417662.81	3748807.27	68.00
1,250	417662.81	3748832.27	68.13
1,251	417662.81	3748857.27	68.12
1,252	417662.81	3748882.27	68.37
1,253	417662.81	3748907.27	68.77
1,254	417662.81	3748932.27	69.06
1,255	417662.81	3748957.27	69.37
1,256	417662.81	3748982.27	69.77
1,257	417687.81	3748732.27	67.11
1,258	417687.81	3748757.27	67.36
1,259	417687.81	3748782.27	67.79
1,260	417687.81	3748807.27	68.10
1,261	417687.81	3748832.27	68.27
1,262	417687.81	3748857.27	68.37
1,263	417687.81	3748882.27	68.60
1,264	417687.81	3748907.27	68.89
1,265	417687.81	3748932.27	69.18
1,266	417687.81	3748957.27	69.53
1,267	417687.81	3748982.27	69.90
1,268	417131.09	3749407.04	66.01
1,269	417156.09	3749407.04	67.10
1,270	417181.09	3749407.04	68.44
1,271	417181.09	3749432.04	67.45
1,272	417206.09	3749407.04	68.95
1,273	417206.09	3749432.04	68.78
1,274	417206.09	3749457.04	68.11
1,275	417231.09	3749407.04	69.33
1,276	417231.09	3749432.04	69.61
1,277	417231.09	3749457.04	69.48
1,278	417231.09	3749482.04	68.76
1,279	417256.09	3749407.04	69.77
1,280	417256.09	3749432.04	69.83
1,281	417256.09	3749457.04	69.95
1,282	417256.09	3749482.04	69.92
1,283	417256.09	3749507.04	69.33
1,284	417281.09	3749407.04	70.05

1,285	417281.09	3749432.04	70.10
1,286	417281.09	3749457.04	70.06
1,287	417281.09	3749482.04	70.10
1,288	417281.09	3749507.04	70.09
1,289	417281.09	3749532.04	68.62
1,290	417306.09	3749407.04	69.90
1,291	417306.09	3749432.04	70.08
1,292	417306.09	3749457.04	70.20
1,293	417306.09	3749482.04	70.28
1,294	417306.09	3749507.04	70.30
1,295	417306.09	3749532.04	69.99
1,296	417331.09	3749407.04	69.87
1,297	417331.09	3749432.04	70.13
1,298	417331.09	3749457.04	70.45
1,299	417331.09	3749482.04	70.62
1,300	417331.09	3749507.04	70.51
1,301	417331.09	3749532.04	70.59
1,302	417331.09	3749557.04	68.73
1,303	417356.09	3749407.04	70.33
1,304	417356.09	3749432.04	70.55
1,305	417356.09	3749457.04	70.78
1,306	417356.09	3749482.04	70.85
1,307	417356.09	3749507.04	70.71
1,308	417356.09	3749532.04	70.76
1,309	417356.09	3749557.04	70.44
1,310	417381.09	3749407.04	70.45
1,311	417381.09	3749432.04	70.68
1,312	417381.09	3749457.04	70.84
1,313	417381.09	3749482.04	70.89
1,314	417381.09	3749507.04	70.85
1,315	417381.09	3749532.04	70.90
1,316	417381.09	3749557.04	71.08
1,317	417381.09	3749582.04	70.56
1,318	417381.09	3749607.04	69.54
1,319	417406.09	3749407.04	70.26
1,320	417406.09	3749432.04	70.51
1,321	417406.09	3749457.04	70.70
1,322	417406.09	3749482.04	70.89

1,323	417406.09	3749507.04	71.12
1,324	417406.09	3749532.04	71.31
1,325	417406.09	3749557.04	71.23
1,326	417406.09	3749582.04	71.35
1,327	417406.09	3749607.04	71.30
1,328	417406.09	3749632.04	70.93
1,329	417406.09	3749657.04	70.40
1,330	417431.09	3749407.04	70.54
1,331	417431.09	3749432.04	70.75
1,332	417431.09	3749457.04	70.88
1,333	417431.09	3749482.04	71.01
1,334	417431.09	3749507.04	71.26
1,335	417431.09	3749532.04	71.63
1,336	417431.09	3749557.04	71.57
1,337	417431.09	3749582.04	71.50
1,338	417431.09	3749607.04	71.66
1,339	417431.09	3749632.04	72.00
1,340	417431.09	3749657.04	72.23
1,341	417431.09	3749682.04	72.26
1,342	417456.09	3749407.04	70.89
1,343	417456.09	3749432.04	71.08
1,344	417456.09	3749457.04	71.11
1,345	417456.09	3749482.04	71.16
1,346	417456.09	3749507.04	71.37
1,347	417456.09	3749532.04	71.83
1,348	417456.09	3749557.04	71.78
1,349	417456.09	3749582.04	71.74
1,350	417456.09	3749607.04	71.84
1,351	417456.09	3749632.04	71.99
1,352	417456.09	3749657.04	71.98
1,353	417456.09	3749682.04	72.48
1,354	417481.09	3749407.04	70.78
1,355	417481.09	3749432.04	70.97
1,356	417481.09	3749457.04	71.07
1,357	417481.09	3749482.04	71.21
1,358	417481.09	3749507.04	71.50
1,359	417481.09	3749532.04	71.96
1,360	417481.09	3749557.04	71.81

1,361	417481.09	3749582.04	71.89
1,362	417481.09	3749607.04	72.18
1,363	417481.09	3749632.04	72.40
1,364	417481.09	3749657.04	72.20
1,365	417506.09	3749407.04	70.86
1,366	417506.09	3749432.04	71.07
1,367	417506.09	3749457.04	71.20
1,368	417506.09	3749482.04	71.35
1,369	417506.09	3749507.04	71.62
1,370	417506.09	3749532.04	72.07
1,371	417506.09	3749557.04	71.88
1,372	417506.09	3749582.04	71.97
1,373	417506.09	3749607.04	72.32
1,374	417506.09	3749632.04	72.58
1,375	417506.09	3749657.04	72.35
1,376	417531.09	3749407.04	71.33
1,377	417531.09	3749432.04	71.50
1,378	417531.09	3749457.04	71.53
1,379	417531.09	3749482.04	71.56
1,380	417531.09	3749507.04	71.73
1,381	417531.09	3749532.04	72.16
1,382	417531.09	3749557.04	71.96
1,383	417531.09	3749582.04	72.05
1,384	417531.09	3749607.04	72.42
1,385	417531.09	3749632.04	72.70
1,386	417531.09	3749657.04	72.48
1,387	417556.09	3749407.04	71.41
1,388	417556.09	3749432.04	71.56
1,389	417556.09	3749457.04	71.59
1,390	417556.09	3749482.04	71.63
1,391	417556.09	3749507.04	71.79
1,392	417556.09	3749532.04	72.19
1,393	417556.09	3749557.04	72.04
1,394	417556.09	3749582.04	72.18
1,395	417556.09	3749607.04	72.56
1,396	417556.09	3749632.04	72.80
1,397	417556.09	3749657.04	72.54
1,398	417581.09	3749407.04	71.24

1,399	417581.09	3749432.04	71.38
1,400	417581.09	3749457.04	71.47
1,401	417581.09	3749482.04	71.63
1,402	417581.09	3749507.04	71.90
1,403	417581.09	3749532.04	72.26
1,404	417581.09	3749557.04	72.12
1,405	417581.09	3749582.04	72.27
1,406	417581.09	3749607.04	72.64
1,407	417581.09	3749632.04	72.94
1,408	417581.09	3749657.04	72.86
1,409	417606.09	3749407.04	71.71
1,410	417606.09	3749432.04	71.85
1,411	417606.09	3749457.04	71.85
1,412	417606.09	3749482.04	71.84
1,413	417606.09	3749507.04	71.98
1,414	417606.09	3749532.04	72.37
1,415	417606.09	3749557.04	72.21
1,416	417606.09	3749582.04	72.35
1,417	417606.09	3749607.04	72.74
1,418	417606.09	3749632.04	73.11
1,419	417606.09	3749657.04	73.23
1,420	417631.09	3749407.04	72.27
1,421	417631.09	3749432.04	72.34
1,422	417631.09	3749457.04	72.24
1,423	417631.09	3749482.04	72.12
1,424	417631.09	3749507.04	72.15
1,425	417631.09	3749532.04	72.48
1,426	417631.09	3749557.04	72.31
1,427	417631.09	3749582.04	72.48
1,428	417631.09	3749607.04	72.81
1,429	417631.09	3749632.04	73.08
1,430	417631.09	3749657.04	73.12
1,431	417656.09	3749407.04	72.04
1,432	417656.09	3749432.04	72.14
1,433	417656.09	3749457.04	72.16
1,434	417656.09	3749482.04	72.20
1,435	417656.09	3749507.04	72.29
1,436	417656.09	3749532.04	72.47

1,437	417656.09	3749557.04	72.40
1,438	417656.09	3749582.04	72.61
1,439	417656.09	3749607.04	72.89
1,440	417656.09	3749632.04	72.98
1,441	417656.09	3749657.04	72.76
1,442	417681.09	3749407.04	72.24
1,443	417681.09	3749432.04	72.35
1,444	417681.09	3749457.04	72.41
1,445	417681.09	3749482.04	72.48
1,446	417681.09	3749507.04	72.61
1,447	417681.09	3749532.04	72.82
1,448	417681.09	3749557.04	72.85
1,449	417681.09	3749582.04	72.98
1,450	417681.09	3749607.04	73.13
1,451	417681.09	3749632.04	73.21
1,452	417681.09	3749657.04	73.17

Plant Boundary Receptors

Receptor Groups

Record Number	Group ID	Group Description
1	UCART1	Receptors generated from Uniform Cartesian Grid

Sensitive Receptor Summary

Troy High School Improvements Project
Construction HRA

Concentration - Source Group: OFFSITE

Averaging Period	Rank	Peak	Units	Receptor ID	X (m)	Y (m)	ZELEV (m)	ZFLAG (m)	ZHILL (m)	Peak Date, Start Hour
PERIOD		0.17892	ug/m^3	ES_001	416940.87	3749404.15	67.20	0.00	67.20	
PERIOD		0.16912	ug/m^3	ES_002	416940.87	3749429.15	67.56	0.00	67.56	
PERIOD		0.15806	ug/m^3	ES_003	416940.87	3749454.15	67.72	0.00	67.72	
PERIOD		0.14662	ug/m^3	ES_004	416940.87	3749479.15	68.01	0.00	68.01	
PERIOD		0.13547	ug/m^3	ES_005	416940.87	3749504.15	68.77	0.00	68.77	
PERIOD		0.12493	ug/m^3	ES_006	416940.87	3749529.15	69.66	0.00	69.66	
PERIOD		0.11483	ug/m^3	ES_007	416940.87	3749554.15	70.42	0.00	70.42	
PERIOD		0.10526	ug/m^3	ES_008	416940.87	3749579.15	71.18	0.00	71.18	
PERIOD		0.09647	ug/m^3	ES_009	416940.87	3749604.15	72.00	0.00	72.00	
PERIOD		0.08851	ug/m^3	ES_010	416940.87	3749629.15	72.68	0.00	119.04	
PERIOD		0.08075	ug/m^3	ES_011	416940.87	3749654.15	73.73	0.00	121.18	
PERIOD		0.07134	ug/m^3	ES_012	416940.87	3749679.15	75.06	0.00	123.02	
PERIOD		0.06378	ug/m^3	ES_013	416940.87	3749704.15	76.04	0.00	129.99	
PERIOD		0.05714	ug/m^3	ES_014	416940.87	3749729.15	77.23	0.00	139.36	
PERIOD		0.05028	ug/m^3	ES_015	416940.87	3749754.15	80.00	0.00	129.99	
PERIOD		0.19654	ug/m^3	ES_016	416965.87	3749404.15	67.67	0.00	67.67	
PERIOD		0.18503	ug/m^3	ES_017	416965.87	3749429.15	67.93	0.00	67.93	
PERIOD		0.17204	ug/m^3	ES_018	416965.87	3749454.15	67.93	0.00	67.93	
PERIOD		0.15873	ug/m^3	ES_019	416965.87	3749479.15	68.02	0.00	68.02	
PERIOD		0.14598	ug/m^3	ES_020	416965.87	3749504.15	68.68	0.00	68.68	

Sensitive Receptor Summary

Troy High School Improvements Project
Construction HRA

Concentration - Source Group: OFFSITE

Averaging Period	Rank	Peak	Units	Receptor ID	X (m)	Y (m)	ZELEV (m)	ZFLAG (m)	ZHILL (m)	Peak Date, Start Hour
PERIOD		0.13406	ug/m^3	ES_021	416965.87	3749529.15	69.57	0.00	69.57	
PERIOD		0.12282	ug/m^3	ES_022	416965.87	3749554.15	70.24	0.00	70.24	
PERIOD		0.11225	ug/m^3	ES_023	416965.87	3749579.15	70.88	0.00	70.88	
PERIOD		0.10256	ug/m^3	ES_024	416965.87	3749604.15	71.63	0.00	71.63	
PERIOD		0.09384	ug/m^3	ES_025	416965.87	3749629.15	72.42	0.00	119.04	
PERIOD		0.08610	ug/m^3	ES_026	416965.87	3749654.15	72.99	0.00	121.18	
PERIOD		0.07834	ug/m^3	ES_027	416965.87	3749679.15	74.15	0.00	123.02	
PERIOD		0.06916	ug/m^3	ES_028	416965.87	3749704.15	75.17	0.00	129.99	
PERIOD		0.06085	ug/m^3	ES_029	416965.87	3749729.15	76.51	0.00	139.36	
PERIOD		0.05289	ug/m^3	ES_030	416965.87	3749754.15	79.43	0.00	129.99	
PERIOD		0.21749	ug/m^3	ES_031	416990.87	3749404.15	67.78	0.00	67.78	
PERIOD		0.20380	ug/m^3	ES_032	416990.87	3749429.15	68.01	0.00	68.01	
PERIOD		0.18838	ug/m^3	ES_033	416990.87	3749454.15	68.01	0.00	68.01	
PERIOD		0.17283	ug/m^3	ES_034	416990.87	3749479.15	68.13	0.00	68.13	
PERIOD		0.15812	ug/m^3	ES_035	416990.87	3749504.15	68.71	0.00	68.71	
PERIOD		0.14451	ug/m^3	ES_036	416990.87	3749529.15	69.56	0.00	69.56	
PERIOD		0.13190	ug/m^3	ES_037	416990.87	3749554.15	70.05	0.00	70.05	
PERIOD		0.12030	ug/m^3	ES_038	416990.87	3749579.15	70.45	0.00	70.45	
PERIOD		0.10966	ug/m^3	ES_039	416990.87	3749604.15	71.08	0.00	71.08	
PERIOD		0.09974	ug/m^3	ES_040	416990.87	3749629.15	72.17	0.00	119.04	

Sensitive Receptor Summary

Troy High School Improvements Project
Construction HRA

Concentration - Source Group: OFFSITE

Averaging Period	Rank	Peak	Units	Receptor ID	X (m)	Y (m)	ZELEV (m)	ZFLAG (m)	ZHILL (m)	Peak Date, Start Hour
PERIOD		0.09128	ug/m^3	ES_041	416990.87	3749654.15	72.78	0.00	121.18	
PERIOD		0.08310	ug/m^3	ES_042	416990.87	3749679.15	73.88	0.00	123.02	
PERIOD		0.07386	ug/m^3	ES_043	416990.87	3749704.15	74.91	0.00	124.91	
PERIOD		0.06408	ug/m^3	ES_044	416990.87	3749729.15	76.37	0.00	129.99	
PERIOD		0.05540	ug/m^3	ES_045	416990.87	3749754.15	79.30	0.00	124.91	
PERIOD		0.24275	ug/m^3	ES_046	417015.87	3749404.15	67.58	0.00	67.58	
PERIOD		0.22620	ug/m^3	ES_047	417015.87	3749429.15	67.81	0.00	67.81	
PERIOD		0.20768	ug/m^3	ES_048	417015.87	3749454.15	67.87	0.00	67.87	
PERIOD		0.18937	ug/m^3	ES_049	417015.87	3749479.15	68.07	0.00	68.07	
PERIOD		0.17226	ug/m^3	ES_050	417015.87	3749504.15	68.73	0.00	68.73	
PERIOD		0.15655	ug/m^3	ES_051	417015.87	3749529.15	69.62	0.00	69.62	
PERIOD		0.14205	ug/m^3	ES_052	417015.87	3749554.15	70.08	0.00	70.08	
PERIOD		0.12901	ug/m^3	ES_053	417015.87	3749579.15	70.43	0.00	70.43	
PERIOD		0.11716	ug/m^3	ES_054	417015.87	3749604.15	71.03	0.00	71.03	
PERIOD		0.10618	ug/m^3	ES_055	417015.87	3749629.15	72.12	0.00	116.67	
PERIOD		0.09692	ug/m^3	ES_056	417015.87	3749654.15	72.75	0.00	121.18	
PERIOD		0.08789	ug/m^3	ES_057	417015.87	3749679.15	73.91	0.00	123.02	
PERIOD		0.07772	ug/m^3	ES_058	417015.87	3749704.15	74.96	0.00	124.91	
PERIOD		0.06744	ug/m^3	ES_059	417015.87	3749729.15	76.39	0.00	124.91	
PERIOD		0.05829	ug/m^3	ES_060	417015.87	3749754.15	79.19	0.00	124.91	

Sensitive Receptor Summary

Troy High School Improvements Project
Construction HRA

Concentration - Source Group: OFFSITE

Averaging Period	Rank	Peak	Units	Receptor ID	X (m)	Y (m)	ZELEV (m)	ZFLAG (m)	ZHILL (m)	Peak Date, Start Hour
PERIOD		0.27377	ug/m^3	ES_061	417040.87	3749404.15	67.20	0.00	67.20	
PERIOD		0.25333	ug/m^3	ES_062	417040.87	3749429.15	67.42	0.00	67.42	
PERIOD		0.23083	ug/m^3	ES_063	417040.87	3749454.15	67.61	0.00	67.61	
PERIOD		0.20906	ug/m^3	ES_064	417040.87	3749479.15	68.02	0.00	68.02	
PERIOD		0.18893	ug/m^3	ES_065	417040.87	3749504.15	68.88	0.00	68.88	
PERIOD		0.17050	ug/m^3	ES_066	417040.87	3749529.15	69.72	0.00	69.72	
PERIOD		0.15374	ug/m^3	ES_067	417040.87	3749554.15	70.13	0.00	70.13	
PERIOD		0.13906	ug/m^3	ES_068	417040.87	3749579.15	70.42	0.00	70.42	
PERIOD		0.12590	ug/m^3	ES_069	417040.87	3749604.15	70.95	0.00	70.95	
PERIOD		0.11375	ug/m^3	ES_070	417040.87	3749629.15	71.99	0.00	116.67	
PERIOD		0.10363	ug/m^3	ES_071	417040.87	3749654.15	72.61	0.00	121.18	
PERIOD		0.09409	ug/m^3	ES_072	417040.87	3749679.15	73.57	0.00	123.02	
PERIOD		0.08350	ug/m^3	ES_073	417040.87	3749704.15	74.75	0.00	123.02	
PERIOD		0.07122	ug/m^3	ES_074	417040.87	3749729.15	76.44	0.00	124.91	
PERIOD		0.06163	ug/m^3	ES_075	417040.87	3749754.15	79.10	0.00	124.91	
PERIOD		0.31286	ug/m^3	ES_076	417065.87	3749404.15	66.95	0.00	66.95	
PERIOD		0.28715	ug/m^3	ES_077	417065.87	3749429.15	67.41	0.00	67.41	
PERIOD		0.25944	ug/m^3	ES_078	417065.87	3749454.15	67.91	0.00	67.91	
PERIOD		0.23302	ug/m^3	ES_079	417065.87	3749479.15	68.55	0.00	68.55	
PERIOD		0.20876	ug/m^3	ES_080	417065.87	3749504.15	69.31	0.00	69.31	

Sensitive Receptor Summary

Troy High School Improvements Project
Construction HRA

Concentration - Source Group: OFFSITE

Averaging Period	Rank	Peak	Units	Receptor ID	X (m)	Y (m)	ZELEV (m)	ZFLAG (m)	ZHILL (m)	Peak Date, Start Hour
PERIOD		0.18675	ug/m^3	ES_081	417065.87	3749529.15	69.94	0.00	69.94	
PERIOD		0.16713	ug/m^3	ES_082	417065.87	3749554.15	70.36	0.00	70.36	
PERIOD		0.15029	ug/m^3	ES_083	417065.87	3749579.15	70.70	0.00	70.70	
PERIOD		0.13568	ug/m^3	ES_084	417065.87	3749604.15	71.14	0.00	71.14	
PERIOD		0.12254	ug/m^3	ES_085	417065.87	3749629.15	71.90	0.00	71.90	
PERIOD		0.11138	ug/m^3	ES_086	417065.87	3749654.15	72.48	0.00	119.04	
PERIOD		0.10073	ug/m^3	ES_087	417065.87	3749679.15	73.49	0.00	122.76	
PERIOD		0.08964	ug/m^3	ES_088	417065.87	3749704.15	74.71	0.00	123.02	
PERIOD		0.07617	ug/m^3	ES_089	417065.87	3749729.15	76.35	0.00	124.25	
PERIOD		0.06586	ug/m^3	ES_090	417065.87	3749754.15	78.78	0.00	124.25	
PERIOD		0.36357	ug/m^3	ES_091	417090.87	3749404.15	66.91	0.00	66.91	
PERIOD		0.33033	ug/m^3	ES_092	417090.87	3749429.15	67.69	0.00	67.69	
PERIOD		0.29528	ug/m^3	ES_093	417090.87	3749454.15	68.29	0.00	68.29	
PERIOD		0.26243	ug/m^3	ES_094	417090.87	3749479.15	68.95	0.00	68.95	
PERIOD		0.23262	ug/m^3	ES_095	417090.87	3749504.15	69.68	0.00	69.68	
PERIOD		0.20631	ug/m^3	ES_096	417090.87	3749529.15	70.05	0.00	70.05	
PERIOD		0.18353	ug/m^3	ES_097	417090.87	3749554.15	70.42	0.00	70.42	
PERIOD		0.16411	ug/m^3	ES_098	417090.87	3749579.15	70.81	0.00	70.81	
PERIOD		0.14738	ug/m^3	ES_099	417090.87	3749604.15	71.28	0.00	71.28	
PERIOD		0.13259	ug/m^3	ES_100	417090.87	3749629.15	71.97	0.00	71.97	

Sensitive Receptor Summary

Troy High School Improvements Project
Construction HRA

Concentration - Source Group: OFFSITE

Averaging Period	Rank	Peak	Units	Receptor ID	X (m)	Y (m)	ZELEV (m)	ZFLAG (m)	ZHILL (m)	Peak Date, Start Hour
PERIOD		0.11934	ug/m^3	ES_101	417090.87	3749654.15	72.84	0.00	116.67	
PERIOD		0.10725	ug/m^3	ES_102	417090.87	3749679.15	73.96	0.00	119.04	
PERIOD		0.09391	ug/m^3	ES_103	417090.87	3749704.15	75.11	0.00	122.76	
PERIOD		0.08149	ug/m^3	ES_104	417090.87	3749729.15	76.36	0.00	123.02	
PERIOD		0.07171	ug/m^3	ES_105	417090.87	3749754.15	77.95	0.00	123.02	
PERIOD		0.38578	ug/m^3	ES_106	417115.87	3749429.15	67.16	0.00	67.16	
PERIOD		0.34103	ug/m^3	ES_107	417115.87	3749454.15	68.28	0.00	68.28	
PERIOD		0.29911	ug/m^3	ES_108	417115.87	3749479.15	69.05	0.00	69.05	
PERIOD		0.26230	ug/m^3	ES_109	417115.87	3749504.15	69.84	0.00	69.84	
PERIOD		0.40076	ug/m^3	ES_110	417140.87	3749454.15	67.79	0.00	67.79	
PERIOD		0.34710	ug/m^3	ES_111	417140.87	3749479.15	69.00	0.00	69.00	
PERIOD		0.30087	ug/m^3	ES_112	417140.87	3749504.15	69.97	0.00	69.97	
PERIOD		0.41459	ug/m^3	ES_113	417165.87	3749479.15	68.63	0.00	68.63	
PERIOD		0.35500	ug/m^3	ES_114	417165.87	3749504.15	69.96	0.00	69.96	
PERIOD		0.43381	ug/m^3	ES_115	417190.87	3749504.15	69.19	0.00	69.19	
PERIOD		0.18220	ug/m^3	UN_001	417754.36	3748584.70	66.88	0.00	66.88	
PERIOD		0.23671	ug/m^3	UN_002	417754.36	3748609.70	67.04	0.00	67.04	
PERIOD		0.32753	ug/m^3	UN_003	417754.36	3748634.70	67.13	0.00	67.13	
PERIOD		0.49796	ug/m^3	UN_004	417754.36	3748659.70	67.38	0.00	67.38	
PERIOD		0.85238	ug/m^3	UN_005	417754.36	3748684.70	67.64	0.00	67.64	

Sensitive Receptor Summary

Troy High School Improvements Project
Construction HRA

Concentration - Source Group: OFFSITE

Averaging Period	Rank	Peak	Units	Receptor ID	X (m)	Y (m)	ZELEV (m)	ZFLAG (m)	ZHILL (m)	Peak Date, Start Hour
PERIOD		1.74501	ug/m^3	UN_006	417754.36	3748709.70	67.78	0.00	67.78	
PERIOD		3.32072	ug/m^3	UN_007	417754.36	3748734.70	67.83	0.00	67.83	
PERIOD		4.44303	ug/m^3	UN_008	417754.36	3748759.70	68.04	0.00	68.04	
PERIOD		5.09704	ug/m^3	UN_009	417754.36	3748784.70	68.23	0.00	68.23	
PERIOD		5.50163	ug/m^3	UN_010	417754.36	3748809.70	68.43	0.00	68.43	
PERIOD		5.76239	ug/m^3	UN_011	417754.36	3748834.70	68.59	0.00	68.59	
PERIOD		5.94121	ug/m^3	UN_012	417754.36	3748859.70	68.67	0.00	68.67	
PERIOD		6.06479	ug/m^3	UN_013	417754.36	3748884.70	68.71	0.00	68.71	
PERIOD		6.16794	ug/m^3	UN_014	417754.36	3748909.70	68.91	0.00	68.91	
PERIOD		6.25701	ug/m^3	UN_015	417754.36	3748934.70	69.33	0.00	69.33	
PERIOD		6.32788	ug/m^3	UN_016	417754.36	3748959.70	69.68	0.00	69.68	
PERIOD		6.37566	ug/m^3	UN_017	417754.36	3748984.70	69.94	0.00	69.94	
PERIOD		6.41664	ug/m^3	UN_018	417754.36	3749009.70	70.20	0.00	70.20	
PERIOD		6.45313	ug/m^3	UN_019	417754.36	3749034.70	70.40	0.00	70.40	
PERIOD		6.47992	ug/m^3	UN_020	417754.36	3749059.70	70.68	0.00	70.68	
PERIOD		6.50712	ug/m^3	UN_021	417754.36	3749084.70	70.90	0.00	70.90	
PERIOD		6.54320	ug/m^3	UN_022	417754.36	3749109.70	71.06	0.00	71.06	
PERIOD		6.58055	ug/m^3	UN_023	417754.36	3749134.70	71.18	0.00	71.18	
PERIOD		6.62518	ug/m^3	UN_024	417754.36	3749159.70	71.25	0.00	71.25	
PERIOD		6.59487	ug/m^3	UN_025	417754.36	3749184.70	71.91	0.00	71.91	

Sensitive Receptor Summary

Troy High School Improvements Project
Construction HRA

Concentration - Source Group: OFFSITE

Averaging Period	Rank	Peak	Units	Receptor ID	X (m)	Y (m)	ZELEV (m)	ZFLAG (m)	ZHILL (m)	Peak Date, Start Hour
PERIOD		6.59070	ug/m^3	UN_026	417754.36	3749209.70	72.34	0.00	72.34	
PERIOD		6.61644	ug/m^3	UN_027	417754.36	3749234.70	72.61	0.00	72.61	
PERIOD		6.66520	ug/m^3	UN_028	417754.36	3749259.70	72.80	0.00	72.80	
PERIOD		6.74071	ug/m^3	UN_029	417754.36	3749284.70	72.91	0.00	72.91	
PERIOD		6.88139	ug/m^3	UN_030	417754.36	3749309.70	72.75	0.00	72.75	
PERIOD		7.01924	ug/m^3	UN_031	417754.36	3749334.70	72.59	0.00	72.59	
PERIOD		7.06227	ug/m^3	UN_032	417754.36	3749359.70	72.61	0.00	72.61	
PERIOD		6.20238	ug/m^3	UN_033	417754.36	3749384.70	72.77	0.00	72.77	
PERIOD		4.53740	ug/m^3	UN_034	417754.36	3749409.70	72.97	0.00	72.97	
PERIOD		3.29872	ug/m^3	UN_035	417754.36	3749434.70	73.13	0.00	73.13	
PERIOD		2.49141	ug/m^3	UN_036	417754.36	3749459.70	73.22	0.00	73.22	
PERIOD		1.95170	ug/m^3	UN_037	417754.36	3749484.70	73.29	0.00	73.29	
PERIOD		1.57414	ug/m^3	UN_038	417754.36	3749509.70	73.42	0.00	73.42	
PERIOD		1.29895	ug/m^3	UN_039	417754.36	3749534.70	73.59	0.00	73.59	
PERIOD		1.09334	ug/m^3	UN_040	417754.36	3749559.70	73.63	0.00	73.63	
PERIOD		0.93366	ug/m^3	UN_041	417754.36	3749584.70	73.74	0.00	73.74	
PERIOD		0.17940	ug/m^3	UN_042	417779.36	3748584.70	67.21	0.00	67.21	
PERIOD		0.23216	ug/m^3	UN_043	417779.36	3748609.70	67.43	0.00	67.43	
PERIOD		0.31393	ug/m^3	UN_044	417779.36	3748634.70	67.47	0.00	67.47	
PERIOD		0.44814	ug/m^3	UN_045	417779.36	3748659.70	67.87	0.00	67.87	

Sensitive Receptor Summary

Troy High School Improvements Project
Construction HRA

Concentration - Source Group: OFFSITE

Averaging Period	Rank	Peak	Units	Receptor ID	X (m)	Y (m)	ZELEV (m)	ZFLAG (m)	ZHILL (m)	Peak Date, Start Hour
PERIOD		0.67712	ug/m^3	UN_046	417779.36	3748684.70	68.24	0.00	68.24	
PERIOD		1.09299	ug/m^3	UN_047	417779.36	3748709.70	68.31	0.00	68.31	
PERIOD		1.73010	ug/m^3	UN_048	417779.36	3748734.70	68.16	0.00	68.16	
PERIOD		2.32390	ug/m^3	UN_049	417779.36	3748759.70	68.31	0.00	68.31	
PERIOD		2.76802	ug/m^3	UN_050	417779.36	3748784.70	68.57	0.00	68.57	
PERIOD		3.07287	ug/m^3	UN_051	417779.36	3748809.70	68.85	0.00	68.85	
PERIOD		3.30988	ug/m^3	UN_052	417779.36	3748834.70	69.00	0.00	69.00	
PERIOD		3.49172	ug/m^3	UN_053	417779.36	3748859.70	69.01	0.00	69.01	
PERIOD		3.62905	ug/m^3	UN_054	417779.36	3748884.70	68.94	0.00	68.94	
PERIOD		3.72049	ug/m^3	UN_055	417779.36	3748909.70	68.98	0.00	68.98	
PERIOD		3.80156	ug/m^3	UN_056	417779.36	3748934.70	69.41	0.00	69.41	
PERIOD		3.85263	ug/m^3	UN_057	417779.36	3748959.70	69.74	0.00	69.74	
PERIOD		3.90177	ug/m^3	UN_058	417779.36	3748984.70	69.98	0.00	69.98	
PERIOD		3.92989	ug/m^3	UN_059	417779.36	3749009.70	70.26	0.00	70.26	
PERIOD		3.96171	ug/m^3	UN_060	417779.36	3749034.70	70.52	0.00	70.52	
PERIOD		3.96649	ug/m^3	UN_061	417779.36	3749059.70	70.90	0.00	70.90	
PERIOD		3.99135	ug/m^3	UN_062	417779.36	3749084.70	71.15	0.00	71.15	
PERIOD		4.01711	ug/m^3	UN_063	417779.36	3749109.70	71.32	0.00	71.32	
PERIOD		4.05527	ug/m^3	UN_064	417779.36	3749134.70	71.44	0.00	71.44	
PERIOD		4.08328	ug/m^3	UN_065	417779.36	3749159.70	71.58	0.00	71.58	

Sensitive Receptor Summary

Troy High School Improvements Project
Construction HRA

Concentration - Source Group: OFFSITE

Averaging Period	Rank	Peak	Units	Receptor ID	X (m)	Y (m)	ZELEV (m)	ZFLAG (m)	ZHILL (m)	Peak Date, Start Hour
PERIOD		4.02842	ug/m^3	UN_066	417779.36	3749184.70	72.42	0.00	72.42	
PERIOD		4.02248	ug/m^3	UN_067	417779.36	3749209.70	72.84	0.00	72.84	
PERIOD		4.04670	ug/m^3	UN_068	417779.36	3749234.70	73.08	0.00	73.08	
PERIOD		4.07534	ug/m^3	UN_069	417779.36	3749259.70	73.24	0.00	73.24	
PERIOD		4.12348	ug/m^3	UN_070	417779.36	3749284.70	73.30	0.00	73.30	
PERIOD		4.18479	ug/m^3	UN_071	417779.36	3749309.70	73.18	0.00	73.18	
PERIOD		4.26045	ug/m^3	UN_072	417779.36	3749334.70	72.85	0.00	72.85	
PERIOD		4.20313	ug/m^3	UN_073	417779.36	3749359.70	72.76	0.00	72.76	
PERIOD		3.85284	ug/m^3	UN_074	417779.36	3749384.70	72.90	0.00	72.90	
PERIOD		3.24196	ug/m^3	UN_075	417779.36	3749409.70	73.09	0.00	73.09	
PERIOD		2.61783	ug/m^3	UN_076	417779.36	3749434.70	73.26	0.00	73.26	
PERIOD		2.10946	ug/m^3	UN_077	417779.36	3749459.70	73.55	0.00	73.55	
PERIOD		1.72237	ug/m^3	UN_078	417779.36	3749484.70	73.80	0.00	73.80	
PERIOD		1.42839	ug/m^3	UN_079	417779.36	3749509.70	74.02	0.00	74.02	
PERIOD		1.20282	ug/m^3	UN_080	417779.36	3749534.70	74.17	0.00	74.17	
PERIOD		1.02748	ug/m^3	UN_081	417779.36	3749559.70	74.19	0.00	74.19	
PERIOD		0.88904	ug/m^3	UN_082	417779.36	3749584.70	74.06	0.00	74.06	
PERIOD		0.17330	ug/m^3	UN_083	417804.36	3748584.70	67.32	0.00	67.32	
PERIOD		0.21874	ug/m^3	UN_084	417804.36	3748609.70	67.56	0.00	67.56	
PERIOD		0.28537	ug/m^3	UN_085	417804.36	3748634.70	67.76	0.00	67.76	

Sensitive Receptor Summary

Troy High School Improvements Project
Construction HRA

Concentration - Source Group: OFFSITE

Averaging Period	Rank	Peak	Units	Receptor ID	X (m)	Y (m)	ZELEV (m)	ZFLAG (m)	ZHILL (m)	Peak Date, Start Hour
PERIOD		0.38458	ug/m^3	UN_086	417804.36	3748659.70	68.15	0.00	68.15	
PERIOD		0.53460	ug/m^3	UN_087	417804.36	3748684.70	68.42	0.00	68.42	
PERIOD		0.76065	ug/m^3	UN_088	417804.36	3748709.70	68.44	0.00	68.44	
PERIOD		1.06482	ug/m^3	UN_089	417804.36	3748734.70	68.36	0.00	68.36	
PERIOD		1.37108	ug/m^3	UN_090	417804.36	3748759.70	68.67	0.00	68.67	
PERIOD		1.64273	ug/m^3	UN_091	417804.36	3748784.70	68.96	0.00	68.96	
PERIOD		1.87937	ug/m^3	UN_092	417804.36	3748809.70	69.06	0.00	69.06	
PERIOD		2.07052	ug/m^3	UN_093	417804.36	3748834.70	69.11	0.00	69.11	
PERIOD		2.22710	ug/m^3	UN_094	417804.36	3748859.70	69.12	0.00	69.12	
PERIOD		2.35043	ug/m^3	UN_095	417804.36	3748884.70	69.09	0.00	69.09	
PERIOD		2.44628	ug/m^3	UN_096	417804.36	3748909.70	69.03	0.00	69.03	
PERIOD		2.51073	ug/m^3	UN_097	417804.36	3748934.70	69.48	0.00	69.48	
PERIOD		2.55973	ug/m^3	UN_098	417804.36	3748959.70	69.84	0.00	69.84	
PERIOD		2.60260	ug/m^3	UN_099	417804.36	3748984.70	70.09	0.00	70.09	
PERIOD		2.63678	ug/m^3	UN_100	417804.36	3749009.70	70.37	0.00	70.37	
PERIOD		2.66147	ug/m^3	UN_101	417804.36	3749034.70	70.67	0.00	70.67	
PERIOD		2.68810	ug/m^3	UN_102	417804.36	3749059.70	70.92	0.00	70.92	
PERIOD		2.71214	ug/m^3	UN_103	417804.36	3749084.70	71.14	0.00	71.14	
PERIOD		2.73568	ug/m^3	UN_104	417804.36	3749109.70	71.36	0.00	71.36	
PERIOD		2.75282	ug/m^3	UN_105	417804.36	3749134.70	71.61	0.00	71.61	

Sensitive Receptor Summary

Troy High School Improvements Project
Construction HRA

Concentration - Source Group: OFFSITE

Averaging Period	Rank	Peak	Units	Receptor ID	X (m)	Y (m)	ZELEV (m)	ZFLAG (m)	ZHILL (m)	Peak Date, Start Hour
PERIOD		2.77054	ug/m^3	UN_106	417804.36	3749159.70	71.86	0.00	71.86	
PERIOD		2.73799	ug/m^3	UN_107	417804.36	3749184.70	72.67	0.00	72.67	
PERIOD		2.74521	ug/m^3	UN_108	417804.36	3749209.70	73.03	0.00	73.03	
PERIOD		2.76375	ug/m^3	UN_109	417804.36	3749234.70	73.21	0.00	73.21	
PERIOD		2.78806	ug/m^3	UN_110	417804.36	3749259.70	73.33	0.00	73.33	
PERIOD		2.81647	ug/m^3	UN_111	417804.36	3749284.70	73.33	0.00	73.33	
PERIOD		2.84747	ug/m^3	UN_112	417804.36	3749309.70	73.20	0.00	73.20	
PERIOD		2.86406	ug/m^3	UN_113	417804.36	3749334.70	72.94	0.00	72.94	
PERIOD		2.79214	ug/m^3	UN_114	417804.36	3749359.70	73.00	0.00	73.00	
PERIOD		2.61368	ug/m^3	UN_115	417804.36	3749384.70	73.23	0.00	73.23	
PERIOD		2.35314	ug/m^3	UN_116	417804.36	3749409.70	73.35	0.00	73.35	
PERIOD		2.04224	ug/m^3	UN_117	417804.36	3749434.70	73.49	0.00	73.49	
PERIOD		1.73942	ug/m^3	UN_118	417804.36	3749459.70	73.88	0.00	73.88	
PERIOD		1.47994	ug/m^3	UN_119	417804.36	3749484.70	74.24	0.00	74.24	
PERIOD		1.26598	ug/m^3	UN_120	417804.36	3749509.70	74.51	0.00	74.51	
PERIOD		1.09174	ug/m^3	UN_121	417804.36	3749534.70	74.63	0.00	74.63	
PERIOD		0.95038	ug/m^3	UN_122	417804.36	3749559.70	74.52	0.00	74.52	
PERIOD		0.83457	ug/m^3	UN_123	417804.36	3749584.70	74.25	0.00	74.25	
PERIOD		0.16353	ug/m^3	UN_124	417829.36	3748584.70	67.42	0.00	67.42	
PERIOD		0.20198	ug/m^3	UN_125	417829.36	3748609.70	67.68	0.00	67.68	

Sensitive Receptor Summary

Troy High School Improvements Project
Construction HRA

Concentration - Source Group: OFFSITE

Averaging Period	Rank	Peak	Units	Receptor ID	X (m)	Y (m)	ZELEV (m)	ZFLAG (m)	ZHILL (m)	Peak Date, Start Hour
PERIOD		0.25572	ug/m^3	UN_126	417829.36	3748634.70	67.95	0.00	67.95	
PERIOD		0.32928	ug/m^3	UN_127	417829.36	3748659.70	68.25	0.00	68.25	
PERIOD		0.43041	ug/m^3	UN_128	417829.36	3748684.70	68.47	0.00	68.47	
PERIOD		0.56641	ug/m^3	UN_129	417829.36	3748709.70	68.49	0.00	68.49	
PERIOD		0.73637	ug/m^3	UN_130	417829.36	3748734.70	68.46	0.00	68.46	
PERIOD		0.91282	ug/m^3	UN_131	417829.36	3748759.70	68.75	0.00	68.75	
PERIOD		1.08490	ug/m^3	UN_132	417829.36	3748784.70	69.02	0.00	69.02	
PERIOD		1.24977	ug/m^3	UN_133	417829.36	3748809.70	69.08	0.00	69.08	
PERIOD		1.39399	ug/m^3	UN_134	417829.36	3748834.70	69.11	0.00	69.11	
PERIOD		1.51616	ug/m^3	UN_135	417829.36	3748859.70	69.14	0.00	69.14	
PERIOD		1.61985	ug/m^3	UN_136	417829.36	3748884.70	69.11	0.00	69.11	
PERIOD		1.70311	ug/m^3	UN_137	417829.36	3748909.70	69.13	0.00	69.13	
PERIOD		1.75858	ug/m^3	UN_138	417829.36	3748934.70	69.60	0.00	69.60	
PERIOD		1.80456	ug/m^3	UN_139	417829.36	3748959.70	69.95	0.00	69.95	
PERIOD		1.84709	ug/m^3	UN_140	417829.36	3748984.70	70.20	0.00	70.20	
PERIOD		1.88171	ug/m^3	UN_141	417829.36	3749009.70	70.47	0.00	70.47	
PERIOD		1.91215	ug/m^3	UN_142	417829.36	3749034.70	70.72	0.00	70.72	
PERIOD		1.95814	ug/m^3	UN_143	417829.36	3749059.70	70.64	0.00	70.64	
PERIOD		1.98309	ug/m^3	UN_144	417829.36	3749084.70	70.86	0.00	70.86	
PERIOD		1.99176	ug/m^3	UN_145	417829.36	3749109.70	71.30	0.00	71.30	

Sensitive Receptor Summary

Troy High School Improvements Project
Construction HRA

Concentration - Source Group: OFFSITE

Averaging Period	Rank	Peak	Units	Receptor ID	X (m)	Y (m)	ZELEV (m)	ZFLAG (m)	ZHILL (m)	Peak Date, Start Hour
PERIOD		1.99731	ug/m^3	UN_146	417829.36	3749134.70	71.75	0.00	71.75	
PERIOD		2.01030	ug/m^3	UN_147	417829.36	3749159.70	72.05	0.00	72.05	
PERIOD		2.00005	ug/m^3	UN_148	417829.36	3749184.70	72.73	0.00	72.73	
PERIOD		2.00650	ug/m^3	UN_149	417829.36	3749209.70	73.10	0.00	73.10	
PERIOD		2.02160	ug/m^3	UN_150	417829.36	3749234.70	73.28	0.00	73.28	
PERIOD		2.03993	ug/m^3	UN_151	417829.36	3749259.70	73.35	0.00	73.35	
PERIOD		2.05502	ug/m^3	UN_152	417829.36	3749284.70	73.37	0.00	73.37	
PERIOD		2.06672	ug/m^3	UN_153	417829.36	3749309.70	73.26	0.00	73.26	
PERIOD		2.04316	ug/m^3	UN_154	417829.36	3749334.70	73.38	0.00	73.38	
PERIOD		1.98129	ug/m^3	UN_155	417829.36	3749359.70	73.67	0.00	73.67	
PERIOD		1.88800	ug/m^3	UN_156	417829.36	3749384.70	73.85	0.00	73.85	
PERIOD		1.76466	ug/m^3	UN_157	417829.36	3749409.70	73.77	0.00	73.77	
PERIOD		1.60262	ug/m^3	UN_158	417829.36	3749434.70	73.83	0.00	73.83	
PERIOD		1.42436	ug/m^3	UN_159	417829.36	3749459.70	74.17	0.00	74.17	
PERIOD		1.25546	ug/m^3	UN_160	417829.36	3749484.70	74.55	0.00	74.55	
PERIOD		1.10580	ug/m^3	UN_161	417829.36	3749509.70	74.79	0.00	74.79	
PERIOD		0.97685	ug/m^3	UN_162	417829.36	3749534.70	74.82	0.00	74.82	
PERIOD		0.86695	ug/m^3	UN_163	417829.36	3749559.70	74.63	0.00	74.63	
PERIOD		0.77267	ug/m^3	UN_164	417829.36	3749584.70	74.37	0.00	74.37	
PERIOD		0.15289	ug/m^3	UN_165	417854.36	3748584.70	67.62	0.00	67.62	

Sensitive Receptor Summary

Troy High School Improvements Project
Construction HRA

Concentration - Source Group: OFFSITE

Averaging Period	Rank	Peak	Units	Receptor ID	X (m)	Y (m)	ZELEV (m)	ZFLAG (m)	ZHILL (m)	Peak Date, Start Hour
PERIOD		0.18531	ug/m^3	UN_166	417854.36	3748609.70	67.94	0.00	67.94	
PERIOD		0.22761	ug/m^3	UN_167	417854.36	3748634.70	68.15	0.00	68.15	
PERIOD		0.28300	ug/m^3	UN_168	417854.36	3748659.70	68.34	0.00	68.34	
PERIOD		0.35331	ug/m^3	UN_169	417854.36	3748684.70	68.53	0.00	68.53	
PERIOD		0.44172	ug/m^3	UN_170	417854.36	3748709.70	68.57	0.00	68.57	
PERIOD		0.54732	ug/m^3	UN_171	417854.36	3748734.70	68.56	0.00	68.56	
PERIOD		0.65946	ug/m^3	UN_172	417854.36	3748759.70	68.77	0.00	68.77	
PERIOD		0.77668	ug/m^3	UN_173	417854.36	3748784.70	68.88	0.00	68.88	
PERIOD		0.89271	ug/m^3	UN_174	417854.36	3748809.70	68.89	0.00	68.89	
PERIOD		0.99749	ug/m^3	UN_175	417854.36	3748834.70	68.94	0.00	68.94	
PERIOD		1.08997	ug/m^3	UN_176	417854.36	3748859.70	69.01	0.00	69.01	
PERIOD		1.17096	ug/m^3	UN_177	417854.36	3748884.70	69.06	0.00	69.06	
PERIOD		1.23601	ug/m^3	UN_178	417854.36	3748909.70	69.31	0.00	69.31	
PERIOD		1.28307	ug/m^3	UN_179	417854.36	3748934.70	69.79	0.00	69.79	
PERIOD		1.32806	ug/m^3	UN_180	417854.36	3748959.70	70.08	0.00	70.08	
PERIOD		1.36946	ug/m^3	UN_181	417854.36	3748984.70	70.29	0.00	70.29	
PERIOD		1.40248	ug/m^3	UN_182	417854.36	3749009.70	70.57	0.00	70.57	
PERIOD		1.43027	ug/m^3	UN_183	417854.36	3749034.70	70.86	0.00	70.86	
PERIOD		1.47196	ug/m^3	UN_184	417854.36	3749059.70	70.73	0.00	70.73	
PERIOD		1.49324	ug/m^3	UN_185	417854.36	3749084.70	71.01	0.00	71.01	

Sensitive Receptor Summary

Troy High School Improvements Project
Construction HRA

Concentration - Source Group: OFFSITE

Averaging Period	Rank	Peak	Units	Receptor ID	X (m)	Y (m)	ZELEV (m)	ZFLAG (m)	ZHILL (m)	Peak Date, Start Hour
PERIOD		1.50282	ug/m^3	UN_186	417854.36	3749109.70	71.50	0.00	71.50	
PERIOD		1.51180	ug/m^3	UN_187	417854.36	3749134.70	71.95	0.00	71.95	
PERIOD		1.52939	ug/m^3	UN_188	417854.36	3749159.70	72.15	0.00	72.15	
PERIOD		1.53385	ug/m^3	UN_189	417854.36	3749184.70	72.62	0.00	72.62	
PERIOD		1.53632	ug/m^3	UN_190	417854.36	3749209.70	73.10	0.00	73.10	
PERIOD		1.54614	ug/m^3	UN_191	417854.36	3749234.70	73.34	0.00	73.34	
PERIOD		1.56052	ug/m^3	UN_192	417854.36	3749259.70	73.36	0.00	73.36	
PERIOD		1.56903	ug/m^3	UN_193	417854.36	3749284.70	73.38	0.00	73.38	
PERIOD		1.57229	ug/m^3	UN_194	417854.36	3749309.70	73.30	0.00	73.30	
PERIOD		1.54464	ug/m^3	UN_195	417854.36	3749334.70	73.61	0.00	73.61	
PERIOD		1.49837	ug/m^3	UN_196	417854.36	3749359.70	74.05	0.00	74.05	
PERIOD		1.43860	ug/m^3	UN_197	417854.36	3749384.70	74.33	0.00	74.33	
PERIOD		1.36782	ug/m^3	UN_198	417854.36	3749409.70	74.28	0.00	74.28	
PERIOD		1.27847	ug/m^3	UN_199	417854.36	3749434.70	74.20	0.00	74.20	
PERIOD		1.17136	ug/m^3	UN_200	417854.36	3749459.70	74.44	0.00	74.44	
PERIOD		1.06156	ug/m^3	UN_201	417854.36	3749484.70	74.78	0.00	74.78	
PERIOD		0.95865	ug/m^3	UN_202	417854.36	3749509.70	74.96	0.00	74.96	
PERIOD		0.86588	ug/m^3	UN_203	417854.36	3749534.70	74.86	0.00	74.86	
PERIOD		0.78216	ug/m^3	UN_204	417854.36	3749559.70	74.67	0.00	74.67	
PERIOD		0.70708	ug/m^3	UN_205	417854.36	3749584.70	74.49	0.00	74.49	

Sensitive Receptor Summary

Troy High School Improvements Project
Construction HRA

Concentration - Source Group: OFFSITE

Averaging Period	Rank	Peak	Units	Receptor ID	X (m)	Y (m)	ZELEV (m)	ZFLAG (m)	ZHILL (m)	Peak Date, Start Hour
PERIOD		0.14233	ug/m^3	UN_206	417879.36	3748584.70	67.87	0.00	67.87	
PERIOD		0.16859	ug/m^3	UN_207	417879.36	3748609.70	68.27	0.00	68.27	
PERIOD		0.20231	ug/m^3	UN_208	417879.36	3748634.70	68.39	0.00	68.39	
PERIOD		0.24417	ug/m^3	UN_209	417879.36	3748659.70	68.55	0.00	68.55	
PERIOD		0.29493	ug/m^3	UN_210	417879.36	3748684.70	68.68	0.00	68.68	
PERIOD		0.35621	ug/m^3	UN_211	417879.36	3748709.70	68.70	0.00	68.70	
PERIOD		0.42777	ug/m^3	UN_212	417879.36	3748734.70	68.64	0.00	68.64	
PERIOD		0.50587	ug/m^3	UN_213	417879.36	3748759.70	68.66	0.00	68.66	
PERIOD		0.58731	ug/m^3	UN_214	417879.36	3748784.70	68.70	0.00	68.70	
PERIOD		0.66556	ug/m^3	UN_215	417879.36	3748809.70	68.88	0.00	68.88	
PERIOD		0.73753	ug/m^3	UN_216	417879.36	3748834.70	69.15	0.00	69.15	
PERIOD		0.80423	ug/m^3	UN_217	417879.36	3748859.70	69.39	0.00	69.39	
PERIOD		0.86761	ug/m^3	UN_218	417879.36	3748884.70	69.50	0.00	69.50	
PERIOD		0.92338	ug/m^3	UN_219	417879.36	3748909.70	69.66	0.00	69.66	
PERIOD		0.96772	ug/m^3	UN_220	417879.36	3748934.70	70.00	0.00	70.00	
PERIOD		1.00949	ug/m^3	UN_221	417879.36	3748959.70	70.23	0.00	70.23	
PERIOD		1.04658	ug/m^3	UN_222	417879.36	3748984.70	70.44	0.00	70.44	
PERIOD		1.07762	ug/m^3	UN_223	417879.36	3749009.70	70.71	0.00	70.71	
PERIOD		1.10285	ug/m^3	UN_224	417879.36	3749034.70	71.04	0.00	71.04	
PERIOD		1.13239	ug/m^3	UN_225	417879.36	3749059.70	71.12	0.00	71.12	

Sensitive Receptor Summary

Troy High School Improvements Project
Construction HRA

Concentration - Source Group: OFFSITE

Averaging Period	Rank	Peak	Units	Receptor ID	X (m)	Y (m)	ZELEV (m)	ZFLAG (m)	ZHILL (m)	Peak Date, Start Hour
PERIOD		1.15113	ug/m^3	UN_226	417879.36	3749084.70	71.46	0.00	71.46	
PERIOD		1.16490	ug/m^3	UN_227	417879.36	3749109.70	71.89	0.00	71.89	
PERIOD		1.17933	ug/m^3	UN_228	417879.36	3749134.70	72.22	0.00	72.22	
PERIOD		1.19864	ug/m^3	UN_229	417879.36	3749159.70	72.32	0.00	72.32	
PERIOD		1.20924	ug/m^3	UN_230	417879.36	3749184.70	72.64	0.00	72.64	
PERIOD		1.21494	ug/m^3	UN_231	417879.36	3749209.70	73.05	0.00	73.05	
PERIOD		1.22294	ug/m^3	UN_232	417879.36	3749234.70	73.29	0.00	73.29	
PERIOD		1.23203	ug/m^3	UN_233	417879.36	3749259.70	73.36	0.00	73.36	
PERIOD		1.23546	ug/m^3	UN_234	417879.36	3749284.70	73.45	0.00	73.45	
PERIOD		1.23164	ug/m^3	UN_235	417879.36	3749309.70	73.53	0.00	73.53	
PERIOD		1.21182	ug/m^3	UN_236	417879.36	3749334.70	73.83	0.00	73.83	
PERIOD		1.18179	ug/m^3	UN_237	417879.36	3749359.70	74.19	0.00	74.19	
PERIOD		1.14297	ug/m^3	UN_238	417879.36	3749384.70	74.44	0.00	74.44	
PERIOD		1.09713	ug/m^3	UN_239	417879.36	3749409.70	74.45	0.00	74.45	
PERIOD		1.04242	ug/m^3	UN_240	417879.36	3749434.70	74.36	0.00	74.36	
PERIOD		0.97332	ug/m^3	UN_241	417879.36	3749459.70	74.63	0.00	74.63	
PERIOD		0.90026	ug/m^3	UN_242	417879.36	3749484.70	74.95	0.00	74.95	
PERIOD		0.82939	ug/m^3	UN_243	417879.36	3749509.70	75.07	0.00	75.07	
PERIOD		0.76273	ug/m^3	UN_244	417879.36	3749534.70	74.95	0.00	74.95	
PERIOD		0.69962	ug/m^3	UN_245	417879.36	3749559.70	74.83	0.00	74.83	

Sensitive Receptor Summary

Troy High School Improvements Project
Construction HRA

Concentration - Source Group: OFFSITE

Averaging Period	Rank	Peak	Units	Receptor ID	X (m)	Y (m)	ZELEV (m)	ZFLAG (m)	ZHILL (m)	Peak Date, Start Hour
PERIOD		0.64126	ug/m^3	UN_246	417879.36	3749584.70	74.67	0.00	74.67	
PERIOD		0.13198	ug/m^3	UN_247	417904.36	3748584.70	68.02	0.00	68.02	
PERIOD		0.15366	ug/m^3	UN_248	417904.36	3748609.70	68.40	0.00	68.40	
PERIOD		0.18085	ug/m^3	UN_249	417904.36	3748634.70	68.48	0.00	68.48	
PERIOD		0.21260	ug/m^3	UN_250	417904.36	3748659.70	68.75	0.00	68.75	
PERIOD		0.25022	ug/m^3	UN_251	417904.36	3748684.70	68.89	0.00	68.89	
PERIOD		0.29456	ug/m^3	UN_252	417904.36	3748709.70	68.90	0.00	68.90	
PERIOD		0.34473	ug/m^3	UN_253	417904.36	3748734.70	68.88	0.00	68.88	
PERIOD		0.39836	ug/m^3	UN_254	417904.36	3748759.70	68.97	0.00	68.97	
PERIOD		0.45443	ug/m^3	UN_255	417904.36	3748784.70	69.10	0.00	69.10	
PERIOD		0.50661	ug/m^3	UN_256	417904.36	3748809.70	69.51	0.00	69.51	
PERIOD		0.55903	ug/m^3	UN_257	417904.36	3748834.70	69.80	0.00	69.80	
PERIOD		0.61190	ug/m^3	UN_258	417904.36	3748859.70	69.92	0.00	69.92	
PERIOD		0.66339	ug/m^3	UN_259	417904.36	3748884.70	69.94	0.00	69.94	
PERIOD		0.70947	ug/m^3	UN_260	417904.36	3748909.70	70.05	0.00	70.05	
PERIOD		0.75127	ug/m^3	UN_261	417904.36	3748934.70	70.18	0.00	70.18	
PERIOD		0.78869	ug/m^3	UN_262	417904.36	3748959.70	70.34	0.00	70.34	
PERIOD		0.82152	ug/m^3	UN_263	417904.36	3748984.70	70.54	0.00	70.54	
PERIOD		0.85019	ug/m^3	UN_264	417904.36	3749009.70	70.78	0.00	70.78	
PERIOD		0.87292	ug/m^3	UN_265	417904.36	3749034.70	71.15	0.00	71.15	

Sensitive Receptor Summary

Troy High School Improvements Project
Construction HRA

Concentration - Source Group: OFFSITE

Averaging Period	Rank	Peak	Units	Receptor ID	X (m)	Y (m)	ZELEV (m)	ZFLAG (m)	ZHILL (m)	Peak Date, Start Hour
PERIOD		0.89494	ug/m^3	UN_266	417904.36	3749059.70	71.43	0.00	71.43	
PERIOD		0.91316	ug/m^3	UN_267	417904.36	3749084.70	71.77	0.00	71.77	
PERIOD		0.92920	ug/m^3	UN_268	417904.36	3749109.70	72.11	0.00	72.11	
PERIOD		0.94469	ug/m^3	UN_269	417904.36	3749134.70	72.38	0.00	72.38	
PERIOD		0.96107	ug/m^3	UN_270	417904.36	3749159.70	72.52	0.00	72.52	
PERIOD		0.97280	ug/m^3	UN_271	417904.36	3749184.70	72.77	0.00	72.77	
PERIOD		0.98130	ug/m^3	UN_272	417904.36	3749209.70	73.06	0.00	73.06	
PERIOD		0.98904	ug/m^3	UN_273	417904.36	3749234.70	73.26	0.00	73.26	
PERIOD		0.99489	ug/m^3	UN_274	417904.36	3749259.70	73.40	0.00	73.40	
PERIOD		0.99531	ug/m^3	UN_275	417904.36	3749284.70	73.59	0.00	73.59	
PERIOD		0.98849	ug/m^3	UN_276	417904.36	3749309.70	73.86	0.00	73.86	
PERIOD		0.97476	ug/m^3	UN_277	417904.36	3749334.70	74.16	0.00	74.16	
PERIOD		0.95654	ug/m^3	UN_278	417904.36	3749359.70	74.36	0.00	74.36	
PERIOD		0.93222	ug/m^3	UN_279	417904.36	3749384.70	74.47	0.00	74.47	
PERIOD		0.90105	ug/m^3	UN_280	417904.36	3749409.70	74.51	0.00	74.51	
PERIOD		0.86508	ug/m^3	UN_281	417904.36	3749434.70	74.45	0.00	74.45	
PERIOD		0.81808	ug/m^3	UN_282	417904.36	3749459.70	74.77	0.00	74.77	
PERIOD		0.76821	ug/m^3	UN_283	417904.36	3749484.70	75.06	0.00	75.06	
PERIOD		0.71847	ug/m^3	UN_284	417904.36	3749509.70	75.17	0.00	75.17	
PERIOD		0.66987	ug/m^3	UN_285	417904.36	3749534.70	75.13	0.00	75.13	

Sensitive Receptor Summary

Troy High School Improvements Project
Construction HRA

Concentration - Source Group: OFFSITE

Averaging Period	Rank	Peak	Units	Receptor ID	X (m)	Y (m)	ZELEV (m)	ZFLAG (m)	ZHILL (m)	Peak Date, Start Hour
PERIOD		0.62245	ug/m^3	UN_286	417904.36	3749559.70	75.09	0.00	75.09	
PERIOD		0.57785	ug/m^3	UN_287	417904.36	3749584.70	74.92	0.00	74.92	
PERIOD		0.12235	ug/m^3	UN_288	417929.36	3748584.70	68.06	0.00	68.06	
PERIOD		0.14063	ug/m^3	UN_289	417929.36	3748609.70	68.37	0.00	68.37	
PERIOD		0.16277	ug/m^3	UN_290	417929.36	3748634.70	68.45	0.00	68.45	
PERIOD		0.18784	ug/m^3	UN_291	417929.36	3748659.70	68.73	0.00	68.73	
PERIOD		0.21673	ug/m^3	UN_292	417929.36	3748684.70	68.90	0.00	68.90	
PERIOD		0.24954	ug/m^3	UN_293	417929.36	3748709.70	69.01	0.00	69.01	
PERIOD		0.28537	ug/m^3	UN_294	417929.36	3748734.70	69.16	0.00	69.16	
PERIOD		0.32177	ug/m^3	UN_295	417929.36	3748759.70	69.54	0.00	69.54	
PERIOD		0.36062	ug/m^3	UN_296	417929.36	3748784.70	69.84	0.00	69.84	
PERIOD		0.40146	ug/m^3	UN_297	417929.36	3748809.70	70.01	0.00	70.01	
PERIOD		0.44323	ug/m^3	UN_298	417929.36	3748834.70	70.10	0.00	70.10	
PERIOD		0.48525	ug/m^3	UN_299	417929.36	3748859.70	70.11	0.00	70.11	
PERIOD		0.52640	ug/m^3	UN_300	417929.36	3748884.70	70.08	0.00	70.08	
PERIOD		0.56577	ug/m^3	UN_301	417929.36	3748909.70	70.04	0.00	70.04	
PERIOD		0.60058	ug/m^3	UN_302	417929.36	3748934.70	70.15	0.00	70.15	
PERIOD		0.63106	ug/m^3	UN_303	417929.36	3748959.70	70.38	0.00	70.38	
PERIOD		0.65869	ug/m^3	UN_304	417929.36	3748984.70	70.63	0.00	70.63	
PERIOD		0.68418	ug/m^3	UN_305	417929.36	3749009.70	70.86	0.00	70.86	

Sensitive Receptor Summary

Troy High School Improvements Project
Construction HRA

Concentration - Source Group: OFFSITE

Averaging Period	Rank	Peak	Units	Receptor ID	X (m)	Y (m)	ZELEV (m)	ZFLAG (m)	ZHILL (m)	Peak Date, Start Hour
PERIOD		0.70519	ug/m^3	UN_306	417929.36	3749034.70	71.22	0.00	71.22	
PERIOD		0.72434	ug/m^3	UN_307	417929.36	3749059.70	71.56	0.00	71.56	
PERIOD		0.74178	ug/m^3	UN_308	417929.36	3749084.70	71.88	0.00	71.88	
PERIOD		0.75814	ug/m^3	UN_309	417929.36	3749109.70	72.15	0.00	72.15	
PERIOD		0.77329	ug/m^3	UN_310	417929.36	3749134.70	72.38	0.00	72.38	
PERIOD		0.78671	ug/m^3	UN_311	417929.36	3749159.70	72.60	0.00	72.60	
PERIOD		0.79742	ug/m^3	UN_312	417929.36	3749184.70	72.85	0.00	72.85	
PERIOD		0.80506	ug/m^3	UN_313	417929.36	3749209.70	73.15	0.00	73.15	
PERIOD		0.81243	ug/m^3	UN_314	417929.36	3749234.70	73.33	0.00	73.33	
PERIOD		0.81824	ug/m^3	UN_315	417929.36	3749259.70	73.43	0.00	73.43	
PERIOD		0.81959	ug/m^3	UN_316	417929.36	3749284.70	73.58	0.00	73.58	
PERIOD		0.81378	ug/m^3	UN_317	417929.36	3749309.70	73.91	0.00	73.91	
PERIOD		0.80405	ug/m^3	UN_318	417929.36	3749334.70	74.22	0.00	74.22	
PERIOD		0.79013	ug/m^3	UN_319	417929.36	3749359.70	74.51	0.00	74.51	
PERIOD		0.76924	ug/m^3	UN_320	417929.36	3749384.70	74.98	0.00	74.98	
PERIOD		0.74329	ug/m^3	UN_321	417929.36	3749409.70	75.49	0.00	75.49	
PERIOD		0.72246	ug/m^3	UN_322	417929.36	3749434.70	75.10	0.00	75.10	
PERIOD		0.69325	ug/m^3	UN_323	417929.36	3749459.70	75.09	0.00	75.09	
PERIOD		0.66008	ug/m^3	UN_324	417929.36	3749484.70	75.15	0.00	75.15	
PERIOD		0.62503	ug/m^3	UN_325	417929.36	3749509.70	75.19	0.00	75.19	

Sensitive Receptor Summary

Troy High School Improvements Project
Construction HRA

Concentration - Source Group: OFFSITE

Averaging Period	Rank	Peak	Units	Receptor ID	X (m)	Y (m)	ZELEV (m)	ZFLAG (m)	ZHILL (m)	Peak Date, Start Hour
PERIOD		0.58925	ug/m^3	UN_326	417929.36	3749534.70	75.20	0.00	75.20	
PERIOD		0.55352	ug/m^3	UN_327	417929.36	3749559.70	75.21	0.00	75.21	
PERIOD		0.51911	ug/m^3	UN_328	417929.36	3749584.70	75.12	0.00	75.12	
PERIOD		0.11319	ug/m^3	UN_329	417954.36	3748584.70	68.31	0.00	68.31	
PERIOD		0.12855	ug/m^3	UN_330	417954.36	3748609.70	68.53	0.00	68.53	
PERIOD		0.14689	ug/m^3	UN_331	417954.36	3748634.70	68.53	0.00	68.53	
PERIOD		0.16748	ug/m^3	UN_332	417954.36	3748659.70	68.66	0.00	68.66	
PERIOD		0.19060	ug/m^3	UN_333	417954.36	3748684.70	68.77	0.00	68.77	
PERIOD		0.21611	ug/m^3	UN_334	417954.36	3748709.70	68.90	0.00	68.90	
PERIOD		0.24308	ug/m^3	UN_335	417954.36	3748734.70	69.16	0.00	69.16	
PERIOD		0.27007	ug/m^3	UN_336	417954.36	3748759.70	69.65	0.00	69.65	
PERIOD		0.29939	ug/m^3	UN_337	417954.36	3748784.70	69.97	0.00	69.97	
PERIOD		0.33136	ug/m^3	UN_338	417954.36	3748809.70	70.04	0.00	70.04	
PERIOD		0.36463	ug/m^3	UN_339	417954.36	3748834.70	70.01	0.00	70.01	
PERIOD		0.39799	ug/m^3	UN_340	417954.36	3748859.70	69.97	0.00	69.97	
PERIOD		0.43034	ug/m^3	UN_341	417954.36	3748884.70	69.97	0.00	69.97	
PERIOD		0.46064	ug/m^3	UN_342	417954.36	3748909.70	70.06	0.00	70.06	
PERIOD		0.48837	ug/m^3	UN_343	417954.36	3748934.70	70.25	0.00	70.25	
PERIOD		0.51374	ug/m^3	UN_344	417954.36	3748959.70	70.50	0.00	70.50	
PERIOD		0.53740	ug/m^3	UN_345	417954.36	3748984.70	70.75	0.00	70.75	

Sensitive Receptor Summary

Troy High School Improvements Project
Construction HRA

Concentration - Source Group: OFFSITE

Averaging Period	Rank	Peak	Units	Receptor ID	X (m)	Y (m)	ZELEV (m)	ZFLAG (m)	ZHILL (m)	Peak Date, Start Hour
PERIOD		0.55972	ug/m^3	UN_346	417954.36	3749009.70	70.97	0.00	70.97	
PERIOD		0.57893	ug/m^3	UN_347	417954.36	3749034.70	71.30	0.00	71.30	
PERIOD		0.59577	ug/m^3	UN_348	417954.36	3749059.70	71.68	0.00	71.68	
PERIOD		0.61249	ug/m^3	UN_349	417954.36	3749084.70	71.94	0.00	71.94	
PERIOD		0.62756	ug/m^3	UN_350	417954.36	3749109.70	72.20	0.00	72.20	
PERIOD		0.64232	ug/m^3	UN_351	417954.36	3749134.70	72.36	0.00	72.36	
PERIOD		0.65939	ug/m^3	UN_352	417954.36	3749159.70	72.23	0.00	72.23	
PERIOD		0.66944	ug/m^3	UN_353	417954.36	3749184.70	72.47	0.00	72.47	
PERIOD		0.67257	ug/m^3	UN_354	417954.36	3749209.70	73.04	0.00	73.04	
PERIOD		0.67760	ug/m^3	UN_355	417954.36	3749234.70	73.35	0.00	73.35	
PERIOD		0.68375	ug/m^3	UN_356	417954.36	3749259.70	73.38	0.00	73.38	
PERIOD		0.68731	ug/m^3	UN_357	417954.36	3749284.70	73.38	0.00	73.38	
PERIOD		0.68434	ug/m^3	UN_358	417954.36	3749309.70	73.61	0.00	73.61	
PERIOD		0.67727	ug/m^3	UN_359	417954.36	3749334.70	73.93	0.00	73.93	
PERIOD		0.66505	ug/m^3	UN_360	417954.36	3749359.70	74.43	0.00	74.43	
PERIOD		0.64640	ug/m^3	UN_361	417954.36	3749384.70	75.31	0.00	75.31	
PERIOD		0.62485	ug/m^3	UN_362	417954.36	3749409.70	76.22	0.00	76.22	
PERIOD		0.61226	ug/m^3	UN_363	417954.36	3749434.70	75.61	0.00	75.61	
PERIOD		0.59316	ug/m^3	UN_364	417954.36	3749459.70	75.42	0.00	75.42	
PERIOD		0.57110	ug/m^3	UN_365	417954.36	3749484.70	75.24	0.00	75.24	

Sensitive Receptor Summary

Troy High School Improvements Project
Construction HRA

Concentration - Source Group: OFFSITE

Averaging Period	Rank	Peak	Units	Receptor ID	X (m)	Y (m)	ZELEV (m)	ZFLAG (m)	ZHILL (m)	Peak Date, Start Hour
PERIOD		0.54640	ug/m^3	UN_366	417954.36	3749509.70	75.16	0.00	75.16	
PERIOD		0.51983	ug/m^3	UN_367	417954.36	3749534.70	75.19	0.00	75.19	
PERIOD		0.49272	ug/m^3	UN_368	417954.36	3749559.70	75.24	0.00	75.24	
PERIOD		0.46573	ug/m^3	UN_369	417954.36	3749584.70	75.29	0.00	75.29	
PERIOD		0.10514	ug/m^3	UN_370	417979.36	3748584.70	68.31	0.00	68.31	
PERIOD		0.11811	ug/m^3	UN_371	417979.36	3748609.70	68.55	0.00	68.55	
PERIOD		0.13332	ug/m^3	UN_372	417979.36	3748634.70	68.56	0.00	68.56	
PERIOD		0.15026	ug/m^3	UN_373	417979.36	3748659.70	68.63	0.00	68.63	
PERIOD		0.16903	ug/m^3	UN_374	417979.36	3748684.70	68.69	0.00	68.69	
PERIOD		0.18923	ug/m^3	UN_375	417979.36	3748709.70	68.85	0.00	68.85	
PERIOD		0.21046	ug/m^3	UN_376	417979.36	3748734.70	69.13	0.00	69.13	
PERIOD		0.23222	ug/m^3	UN_377	417979.36	3748759.70	69.51	0.00	69.51	
PERIOD		0.25622	ug/m^3	UN_378	417979.36	3748784.70	69.65	0.00	69.65	
PERIOD		0.28151	ug/m^3	UN_379	417979.36	3748809.70	69.71	0.00	69.71	
PERIOD		0.30730	ug/m^3	UN_380	417979.36	3748834.70	69.75	0.00	69.75	
PERIOD		0.33182	ug/m^3	UN_381	417979.36	3748859.70	69.97	0.00	69.97	
PERIOD		0.35364	ug/m^3	UN_382	417979.36	3748884.70	70.47	0.00	70.47	
PERIOD		0.37617	ug/m^3	UN_383	417979.36	3748909.70	70.78	0.00	70.78	
PERIOD		0.39972	ug/m^3	UN_384	417979.36	3748934.70	70.87	0.00	70.87	
PERIOD		0.42315	ug/m^3	UN_385	417979.36	3748959.70	70.87	0.00	70.87	

Sensitive Receptor Summary

Troy High School Improvements Project
Construction HRA

Concentration - Source Group: OFFSITE

Averaging Period	Rank	Peak	Units	Receptor ID	X (m)	Y (m)	ZELEV (m)	ZFLAG (m)	ZHILL (m)	Peak Date, Start Hour
PERIOD		0.44520	ug/m^3	UN_386	417979.36	3748984.70	70.91	0.00	70.91	
PERIOD		0.46498	ug/m^3	UN_387	417979.36	3749009.70	71.07	0.00	71.07	
PERIOD		0.48157	ug/m^3	UN_388	417979.36	3749034.70	71.43	0.00	71.43	
PERIOD		0.49683	ug/m^3	UN_389	417979.36	3749059.70	71.79	0.00	71.79	
PERIOD		0.51155	ug/m^3	UN_390	417979.36	3749084.70	72.07	0.00	72.07	
PERIOD		0.52540	ug/m^3	UN_391	417979.36	3749109.70	72.30	0.00	72.30	
PERIOD		0.53994	ug/m^3	UN_392	417979.36	3749134.70	72.33	0.00	72.33	
PERIOD		0.55758	ug/m^3	UN_393	417979.36	3749159.70	71.94	0.00	71.94	
PERIOD		0.56630	ug/m^3	UN_394	417979.36	3749184.70	72.23	0.00	72.23	
PERIOD		0.56765	ug/m^3	UN_395	417979.36	3749209.70	72.99	0.00	72.99	
PERIOD		0.57172	ug/m^3	UN_396	417979.36	3749234.70	73.37	0.00	73.37	
PERIOD		0.57765	ug/m^3	UN_397	417979.36	3749259.70	73.37	0.00	73.37	
PERIOD		0.58197	ug/m^3	UN_398	417979.36	3749284.70	73.29	0.00	73.29	
PERIOD		0.58223	ug/m^3	UN_399	417979.36	3749309.70	73.33	0.00	73.33	
PERIOD		0.57762	ug/m^3	UN_400	417979.36	3749334.70	73.61	0.00	73.61	
PERIOD		0.56819	ug/m^3	UN_401	417979.36	3749359.70	74.14	0.00	74.14	
PERIOD		0.55485	ug/m^3	UN_402	417979.36	3749384.70	74.90	0.00	74.90	
PERIOD		0.53984	ug/m^3	UN_403	417979.36	3749409.70	75.58	0.00	75.58	
PERIOD		0.53025	ug/m^3	UN_404	417979.36	3749434.70	75.13	0.00	75.13	
PERIOD		0.51424	ug/m^3	UN_405	417979.36	3749459.70	75.34	0.00	75.34	

Sensitive Receptor Summary

Troy High School Improvements Project
Construction HRA

Concentration - Source Group: OFFSITE

Averaging Period	Rank	Peak	Units	Receptor ID	X (m)	Y (m)	ZELEV (m)	ZFLAG (m)	ZHILL (m)	Peak Date, Start Hour
PERIOD		0.49726	ug/m^3	UN_406	417979.36	3749484.70	75.35	0.00	75.35	
PERIOD		0.47882	ug/m^3	UN_407	417979.36	3749509.70	75.33	0.00	75.33	
PERIOD		0.45889	ug/m^3	UN_408	417979.36	3749534.70	75.39	0.00	75.39	
PERIOD		0.43821	ug/m^3	UN_409	417979.36	3749559.70	75.48	0.00	75.48	
PERIOD		0.41753	ug/m^3	UN_410	417979.36	3749584.70	75.52	0.00	75.52	
PERIOD		0.09749	ug/m^3	UN_411	418004.36	3748584.70	68.57	0.00	68.57	
PERIOD		0.10805	ug/m^3	UN_412	418004.36	3748609.70	69.03	0.00	69.03	
PERIOD		0.12048	ug/m^3	UN_413	418004.36	3748634.70	69.12	0.00	69.12	
PERIOD		0.13440	ug/m^3	UN_414	418004.36	3748659.70	69.15	0.00	69.15	
PERIOD		0.14967	ug/m^3	UN_415	418004.36	3748684.70	69.18	0.00	69.18	
PERIOD		0.16568	ug/m^3	UN_416	418004.36	3748709.70	69.39	0.00	69.39	
PERIOD		0.18249	ug/m^3	UN_417	418004.36	3748734.70	69.67	0.00	69.67	
PERIOD		0.20067	ug/m^3	UN_418	418004.36	3748759.70	69.80	0.00	69.80	
PERIOD		0.22039	ug/m^3	UN_419	418004.36	3748784.70	69.78	0.00	69.78	
PERIOD		0.24048	ug/m^3	UN_420	418004.36	3748809.70	69.84	0.00	69.84	
PERIOD		0.26077	ug/m^3	UN_421	418004.36	3748834.70	69.93	0.00	69.93	
PERIOD		0.28007	ug/m^3	UN_422	418004.36	3748859.70	70.21	0.00	70.21	
PERIOD		0.29752	ug/m^3	UN_423	418004.36	3748884.70	70.75	0.00	70.75	
PERIOD		0.31600	ug/m^3	UN_424	418004.36	3748909.70	71.05	0.00	71.05	
PERIOD		0.33537	ug/m^3	UN_425	418004.36	3748934.70	71.14	0.00	71.14	

Sensitive Receptor Summary

Troy High School Improvements Project
Construction HRA

Concentration - Source Group: OFFSITE

Averaging Period	Rank	Peak	Units	Receptor ID	X (m)	Y (m)	ZELEV (m)	ZFLAG (m)	ZHILL (m)	Peak Date, Start Hour
PERIOD		0.35535	ug/m^3	UN_426	418004.36	3748959.70	71.07	0.00	71.07	
PERIOD		0.37457	ug/m^3	UN_427	418004.36	3748984.70	71.02	0.00	71.02	
PERIOD		0.39162	ug/m^3	UN_428	418004.36	3749009.70	71.16	0.00	71.16	
PERIOD		0.40550	ug/m^3	UN_429	418004.36	3749034.70	71.59	0.00	71.59	
PERIOD		0.41859	ug/m^3	UN_430	418004.36	3749059.70	71.99	0.00	71.99	
PERIOD		0.43115	ug/m^3	UN_431	418004.36	3749084.70	72.32	0.00	72.32	
PERIOD		0.44556	ug/m^3	UN_432	418004.36	3749109.70	72.29	0.00	72.29	
PERIOD		0.46133	ug/m^3	UN_433	418004.36	3749134.70	71.97	0.00	71.97	
PERIOD		0.47527	ug/m^3	UN_434	418004.36	3749159.70	71.72	0.00	71.72	
PERIOD		0.47976	ug/m^3	UN_435	418004.36	3749184.70	72.41	0.00	72.41	
PERIOD		0.48269	ug/m^3	UN_436	418004.36	3749209.70	73.06	0.00	73.06	
PERIOD		0.48723	ug/m^3	UN_437	418004.36	3749234.70	73.38	0.00	73.38	
PERIOD		0.49245	ug/m^3	UN_438	418004.36	3749259.70	73.41	0.00	73.41	
PERIOD		0.49632	ug/m^3	UN_439	418004.36	3749284.70	73.36	0.00	73.36	
PERIOD		0.49822	ug/m^3	UN_440	418004.36	3749309.70	73.29	0.00	73.29	
PERIOD		0.49573	ug/m^3	UN_441	418004.36	3749334.70	73.51	0.00	73.51	
PERIOD		0.48981	ug/m^3	UN_442	418004.36	3749359.70	73.90	0.00	73.90	
PERIOD		0.48183	ug/m^3	UN_443	418004.36	3749384.70	74.31	0.00	74.31	
PERIOD		0.47247	ug/m^3	UN_444	418004.36	3749409.70	74.59	0.00	74.59	
PERIOD		0.46318	ug/m^3	UN_445	418004.36	3749434.70	74.61	0.00	74.61	

Sensitive Receptor Summary

Troy High School Improvements Project
Construction HRA

Concentration - Source Group: OFFSITE

Averaging Period	Rank	Peak	Units	Receptor ID	X (m)	Y (m)	ZELEV (m)	ZFLAG (m)	ZHILL (m)	Peak Date, Start Hour
PERIOD		0.44923	ug/m^3	UN_446	418004.36	3749459.70	75.21	0.00	75.21	
PERIOD		0.43479	ug/m^3	UN_447	418004.36	3749484.70	75.63	0.00	75.63	
PERIOD		0.41984	ug/m^3	UN_448	418004.36	3749509.70	75.90	0.00	75.90	
PERIOD		0.40454	ug/m^3	UN_449	418004.36	3749534.70	76.05	0.00	76.05	
PERIOD		0.38922	ug/m^3	UN_450	418004.36	3749559.70	76.06	0.00	76.06	
PERIOD		0.37426	ug/m^3	UN_451	418004.36	3749584.70	75.85	0.00	75.85	
PERIOD		0.09057	ug/m^3	UN_452	418029.36	3748584.70	68.82	0.00	68.82	
PERIOD		0.09951	ug/m^3	UN_453	418029.36	3748609.70	69.30	0.00	69.30	
PERIOD		0.11010	ug/m^3	UN_454	418029.36	3748634.70	69.33	0.00	69.33	
PERIOD		0.12173	ug/m^3	UN_455	418029.36	3748659.70	69.35	0.00	69.35	
PERIOD		0.13438	ug/m^3	UN_456	418029.36	3748684.70	69.37	0.00	69.37	
PERIOD		0.14749	ug/m^3	UN_457	418029.36	3748709.70	69.60	0.00	69.60	
PERIOD		0.16118	ug/m^3	UN_458	418029.36	3748734.70	69.89	0.00	69.89	
PERIOD		0.17613	ug/m^3	UN_459	418029.36	3748759.70	69.96	0.00	69.96	
PERIOD		0.19207	ug/m^3	UN_460	418029.36	3748784.70	69.94	0.00	69.94	
PERIOD		0.20840	ug/m^3	UN_461	418029.36	3748809.70	69.98	0.00	69.98	
PERIOD		0.22485	ug/m^3	UN_462	418029.36	3748834.70	70.07	0.00	70.07	
PERIOD		0.24071	ug/m^3	UN_463	418029.36	3748859.70	70.32	0.00	70.32	
PERIOD		0.25570	ug/m^3	UN_464	418029.36	3748884.70	70.73	0.00	70.73	
PERIOD		0.27130	ug/m^3	UN_465	418029.36	3748909.70	70.97	0.00	70.97	

Sensitive Receptor Summary

Troy High School Improvements Project
Construction HRA

Concentration - Source Group: OFFSITE

Averaging Period	Rank	Peak	Units	Receptor ID	X (m)	Y (m)	ZELEV (m)	ZFLAG (m)	ZHILL (m)	Peak Date, Start Hour
PERIOD		0.28699	ug/m^3	UN_466	418029.36	3748934.70	71.14	0.00	71.14	
PERIOD		0.30334	ug/m^3	UN_467	418029.36	3748959.70	71.13	0.00	71.13	
PERIOD		0.31928	ug/m^3	UN_468	418029.36	3748984.70	71.12	0.00	71.12	
PERIOD		0.33355	ug/m^3	UN_469	418029.36	3749009.70	71.30	0.00	71.30	
PERIOD		0.34532	ug/m^3	UN_470	418029.36	3749034.70	71.77	0.00	71.77	
PERIOD		0.35652	ug/m^3	UN_471	418029.36	3749059.70	72.20	0.00	72.20	
PERIOD		0.36758	ug/m^3	UN_472	418029.36	3749084.70	72.51	0.00	72.51	
PERIOD		0.38095	ug/m^3	UN_473	418029.36	3749109.70	72.35	0.00	72.35	
PERIOD		0.39518	ug/m^3	UN_474	418029.36	3749134.70	71.94	0.00	71.94	
PERIOD		0.40573	ug/m^3	UN_475	418029.36	3749159.70	71.92	0.00	71.92	
PERIOD		0.40969	ug/m^3	UN_476	418029.36	3749184.70	72.65	0.00	72.65	
PERIOD		0.41406	ug/m^3	UN_477	418029.36	3749209.70	73.13	0.00	73.13	
PERIOD		0.41894	ug/m^3	UN_478	418029.36	3749234.70	73.37	0.00	73.37	
PERIOD		0.42353	ug/m^3	UN_479	418029.36	3749259.70	73.44	0.00	73.44	
PERIOD		0.42703	ug/m^3	UN_480	418029.36	3749284.70	73.43	0.00	73.43	
PERIOD		0.42941	ug/m^3	UN_481	418029.36	3749309.70	73.34	0.00	73.34	
PERIOD		0.42788	ug/m^3	UN_482	418029.36	3749334.70	73.59	0.00	73.59	
PERIOD		0.42480	ug/m^3	UN_483	418029.36	3749359.70	73.81	0.00	73.81	
PERIOD		0.42042	ug/m^3	UN_484	418029.36	3749384.70	73.96	0.00	73.96	
PERIOD		0.41404	ug/m^3	UN_485	418029.36	3749409.70	74.12	0.00	74.12	

Sensitive Receptor Summary

Troy High School Improvements Project
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Concentration - Source Group: OFFSITE

Averaging Period	Rank	Peak	Units	Receptor ID	X (m)	Y (m)	ZELEV (m)	ZFLAG (m)	ZHILL (m)	Peak Date, Start Hour
PERIOD		0.40514	ug/m^3	UN_486	418029.36	3749434.70	74.55	0.00	74.55	
PERIOD		0.39375	ug/m^3	UN_487	418029.36	3749459.70	75.34	0.00	75.34	
PERIOD		0.38188	ug/m^3	UN_488	418029.36	3749484.70	76.01	0.00	76.01	
PERIOD		0.36988	ug/m^3	UN_489	418029.36	3749509.70	76.45	0.00	76.45	
PERIOD		0.35816	ug/m^3	UN_490	418029.36	3749534.70	76.63	0.00	76.63	
PERIOD		0.34677	ug/m^3	UN_491	418029.36	3749559.70	76.57	0.00	76.57	
PERIOD		0.33606	ug/m^3	UN_492	418029.36	3749584.70	76.14	0.00	76.14	
PERIOD		0.08452	ug/m^3	UN_493	418054.36	3748584.70	68.89	0.00	68.89	
PERIOD		0.09222	ug/m^3	UN_494	418054.36	3748609.70	69.38	0.00	69.38	
PERIOD		0.10135	ug/m^3	UN_495	418054.36	3748634.70	69.35	0.00	69.35	
PERIOD		0.11123	ug/m^3	UN_496	418054.36	3748659.70	69.36	0.00	69.36	
PERIOD		0.12193	ug/m^3	UN_497	418054.36	3748684.70	69.35	0.00	69.35	
PERIOD		0.13317	ug/m^3	UN_498	418054.36	3748709.70	69.45	0.00	69.45	
PERIOD		0.14483	ug/m^3	UN_499	418054.36	3748734.70	69.65	0.00	69.65	
PERIOD		0.15707	ug/m^3	UN_500	418054.36	3748759.70	69.80	0.00	69.80	
PERIOD		0.17005	ug/m^3	UN_501	418054.36	3748784.70	69.85	0.00	69.85	
PERIOD		0.18350	ug/m^3	UN_502	418054.36	3748809.70	69.90	0.00	69.90	
PERIOD		0.19694	ug/m^3	UN_503	418054.36	3748834.70	70.04	0.00	70.04	
PERIOD		0.21004	ug/m^3	UN_504	418054.36	3748859.70	70.30	0.00	70.30	
PERIOD		0.22291	ug/m^3	UN_505	418054.36	3748884.70	70.61	0.00	70.61	

Sensitive Receptor Summary

Troy High School Improvements Project
Construction HRA

Concentration - Source Group: OFFSITE

Averaging Period	Rank	Peak	Units	Receptor ID	X (m)	Y (m)	ZELEV (m)	ZFLAG (m)	ZHILL (m)	Peak Date, Start Hour
PERIOD		0.23620	ug/m^3	UN_506	418054.36	3748909.70	70.79	0.00	70.79	
PERIOD		0.24924	ug/m^3	UN_507	418054.36	3748934.70	70.99	0.00	70.99	
PERIOD		0.26262	ug/m^3	UN_508	418054.36	3748959.70	71.06	0.00	71.06	
PERIOD		0.27557	ug/m^3	UN_509	418054.36	3748984.70	71.16	0.00	71.16	
PERIOD		0.28730	ug/m^3	UN_510	418054.36	3749009.70	71.43	0.00	71.43	
PERIOD		0.29739	ug/m^3	UN_511	418054.36	3749034.70	71.91	0.00	71.91	
PERIOD		0.30712	ug/m^3	UN_512	418054.36	3749059.70	72.33	0.00	72.33	
PERIOD		0.31718	ug/m^3	UN_513	418054.36	3749084.70	72.55	0.00	72.55	
PERIOD		0.32777	ug/m^3	UN_514	418054.36	3749109.70	72.55	0.00	72.55	
PERIOD		0.33820	ug/m^3	UN_515	418054.36	3749134.70	72.46	0.00	72.46	
PERIOD		0.34695	ug/m^3	UN_516	418054.36	3749159.70	72.52	0.00	72.52	
PERIOD		0.35321	ug/m^3	UN_517	418054.36	3749184.70	72.82	0.00	72.82	
PERIOD		0.35828	ug/m^3	UN_518	418054.36	3749209.70	73.15	0.00	73.15	
PERIOD		0.36299	ug/m^3	UN_519	418054.36	3749234.70	73.36	0.00	73.36	
PERIOD		0.36722	ug/m^3	UN_520	418054.36	3749259.70	73.44	0.00	73.44	
PERIOD		0.37061	ug/m^3	UN_521	418054.36	3749284.70	73.44	0.00	73.44	
PERIOD		0.37310	ug/m^3	UN_522	418054.36	3749309.70	73.36	0.00	73.36	
PERIOD		0.37270	ug/m^3	UN_523	418054.36	3749334.70	73.56	0.00	73.56	
PERIOD		0.37173	ug/m^3	UN_524	418054.36	3749359.70	73.59	0.00	73.59	
PERIOD		0.36941	ug/m^3	UN_525	418054.36	3749384.70	73.60	0.00	73.60	

Sensitive Receptor Summary

Troy High School Improvements Project
Construction HRA

Concentration - Source Group: OFFSITE

Averaging Period	Rank	Peak	Units	Receptor ID	X (m)	Y (m)	ZELEV (m)	ZFLAG (m)	ZHILL (m)	Peak Date, Start Hour
PERIOD		0.36443	ug/m^3	UN_526	418054.36	3749409.70	73.82	0.00	73.82	
PERIOD		0.35631	ug/m^3	UN_527	418054.36	3749434.70	74.55	0.00	74.55	
PERIOD		0.34713	ug/m^3	UN_528	418054.36	3749459.70	75.45	0.00	75.45	
PERIOD		0.33780	ug/m^3	UN_529	418054.36	3749484.70	76.18	0.00	76.18	
PERIOD		0.32853	ug/m^3	UN_530	418054.36	3749509.70	76.62	0.00	76.62	
PERIOD		0.31957	ug/m^3	UN_531	418054.36	3749534.70	76.77	0.00	76.77	
PERIOD		0.31080	ug/m^3	UN_532	418054.36	3749559.70	76.72	0.00	76.72	
PERIOD		0.30262	ug/m^3	UN_533	418054.36	3749584.70	76.31	0.00	76.31	
PERIOD		1.73907	ug/m^3	HS_001	417640.29	3749034.63	70.57	0.00	70.57	
PERIOD		1.76261	ug/m^3	HS_002	417640.29	3749059.63	70.69	0.00	70.69	
PERIOD		1.79493	ug/m^3	HS_003	417640.29	3749084.63	70.69	0.00	70.69	
PERIOD		1.83027	ug/m^3	HS_004	417640.29	3749109.63	70.66	0.00	70.66	
PERIOD		1.86577	ug/m^3	HS_005	417640.29	3749134.63	70.70	0.00	70.70	
PERIOD		1.89898	ug/m^3	HS_006	417640.29	3749159.63	70.86	0.00	70.86	
PERIOD		1.92814	ug/m^3	HS_007	417640.29	3749184.63	71.26	0.00	71.26	
PERIOD		1.97931	ug/m^3	HS_008	417640.29	3749209.63	71.53	0.00	71.53	
PERIOD		2.06720	ug/m^3	HS_009	417640.29	3749234.63	71.65	0.00	71.65	
PERIOD		2.20967	ug/m^3	HS_010	417640.29	3749259.63	71.66	0.00	71.66	
PERIOD		2.45353	ug/m^3	HS_011	417640.29	3749284.63	71.59	0.00	71.59	
PERIOD		2.90227	ug/m^3	HS_012	417640.29	3749309.63	71.82	0.00	71.82	

Sensitive Receptor Summary

Troy High School Improvements Project
Construction HRA

Concentration - Source Group: OFFSITE

Averaging Period	Rank	Peak	Units	Receptor ID	X (m)	Y (m)	ZELEV (m)	ZFLAG (m)	ZHILL (m)	Peak Date, Start Hour
PERIOD		4.02782	ug/m^3	HS_013	417640.29	3749334.63	71.85	0.00	71.85	
PERIOD		6.43008	ug/m^3	HS_014	417640.29	3749359.63	71.85	0.00	71.85	
PERIOD		2.58278	ug/m^3	HS_015	417665.29	3749034.63	70.69	0.00	70.69	
PERIOD		2.60325	ug/m^3	HS_016	417665.29	3749059.63	70.87	0.00	70.87	
PERIOD		2.64151	ug/m^3	HS_017	417665.29	3749084.63	70.90	0.00	70.90	
PERIOD		2.68920	ug/m^3	HS_018	417665.29	3749109.63	70.86	0.00	70.86	
PERIOD		2.73526	ug/m^3	HS_019	417665.29	3749134.63	70.86	0.00	70.86	
PERIOD		2.76490	ug/m^3	HS_020	417665.29	3749159.63	71.04	0.00	71.04	
PERIOD		2.78619	ug/m^3	HS_021	417665.29	3749184.63	71.35	0.00	71.35	
PERIOD		2.83450	ug/m^3	HS_022	417665.29	3749209.63	71.55	0.00	71.55	
PERIOD		2.90997	ug/m^3	HS_023	417665.29	3749234.63	71.71	0.00	71.71	
PERIOD		3.02287	ug/m^3	HS_024	417665.29	3749259.63	71.90	0.00	71.90	
PERIOD		3.22023	ug/m^3	HS_025	417665.29	3749284.63	72.06	0.00	72.06	
PERIOD		3.59483	ug/m^3	HS_026	417665.29	3749309.63	72.29	0.00	72.29	
PERIOD		4.60927	ug/m^3	HS_027	417665.29	3749334.63	72.11	0.00	72.11	
PERIOD		5.64237	ug/m^3	HS_028	417665.29	3749359.63	71.96	0.00	71.96	
PERIOD		4.44777	ug/m^3	HS_029	417690.29	3749034.63	70.56	0.00	70.56	
PERIOD		4.46334	ug/m^3	HS_030	417690.29	3749059.63	70.76	0.00	70.76	
PERIOD		4.50734	ug/m^3	HS_031	417690.29	3749084.63	70.83	0.00	70.83	
PERIOD		4.57269	ug/m^3	HS_032	417690.29	3749109.63	70.83	0.00	70.83	

Sensitive Receptor Summary

Troy High School Improvements Project
Construction HRA

Concentration - Source Group: OFFSITE

Averaging Period	Rank	Peak	Units	Receptor ID	X (m)	Y (m)	ZELEV (m)	ZFLAG (m)	ZHILL (m)	Peak Date, Start Hour
PERIOD		4.63416	ug/m^3	HS_033	417690.29	3749134.63	70.84	0.00	70.84	
PERIOD		4.65752	ug/m^3	HS_034	417690.29	3749159.63	71.03	0.00	71.03	
PERIOD		4.67287	ug/m^3	HS_035	417690.29	3749184.63	71.26	0.00	71.26	
PERIOD		4.72089	ug/m^3	HS_036	417690.29	3749209.63	71.42	0.00	71.42	
PERIOD		4.77224	ug/m^3	HS_037	417690.29	3749234.63	71.62	0.00	71.62	
PERIOD		4.82972	ug/m^3	HS_038	417690.29	3749259.63	71.94	0.00	71.94	
PERIOD		4.93611	ug/m^3	HS_039	417690.29	3749284.63	72.30	0.00	72.30	
PERIOD		5.28639	ug/m^3	HS_040	417690.29	3749309.63	72.30	0.00	72.30	
PERIOD		6.13247	ug/m^3	HS_041	417690.29	3749334.63	72.06	0.00	72.06	
PERIOD		7.77769	ug/m^3	HS_042	417690.29	3749359.63	72.01	0.00	72.01	
PERIOD		3.79194	ug/m^3	HS_043	417284.42	3749355.15	69.18	0.00	69.18	
PERIOD		4.24930	ug/m^3	HS_044	417309.42	3749355.15	69.26	0.00	69.26	
PERIOD		4.63079	ug/m^3	HS_045	417334.42	3749355.15	69.40	0.00	69.40	
PERIOD		4.74168	ug/m^3	HS_046	417359.42	3749355.15	69.64	0.00	69.64	
PERIOD		4.94251	ug/m^3	HS_047	417384.42	3749355.15	69.79	0.00	69.79	
PERIOD		4.91464	ug/m^3	HS_048	417409.42	3749355.15	69.86	0.00	69.86	
PERIOD		4.13966	ug/m^3	HS_049	417434.42	3749355.15	70.01	0.00	70.01	
PERIOD		5.02453	ug/m^3	HS_050	417459.42	3749355.15	70.17	0.00	70.17	
PERIOD		0.85796	ug/m^3	HS_051	417484.42	3749230.15	69.90	0.00	69.90	
PERIOD		1.03135	ug/m^3	HS_052	417484.42	3749255.15	70.07	0.00	70.07	

Sensitive Receptor Summary

Troy High School Improvements Project
Construction HRA

Concentration - Source Group: OFFSITE

Averaging Period	Rank	Peak	Units	Receptor ID	X (m)	Y (m)	ZELEV (m)	ZFLAG (m)	ZHILL (m)	Peak Date, Start Hour
PERIOD		1.32198	ug/m^3	HS_053	417484.42	3749280.15	70.25	0.00	70.25	
PERIOD		1.85041	ug/m^3	HS_054	417484.42	3749305.15	70.19	0.00	70.19	
PERIOD		2.94606	ug/m^3	HS_055	417484.42	3749330.15	70.14	0.00	70.14	
PERIOD		4.21761	ug/m^3	HS_056	417484.42	3749355.15	70.25	0.00	70.25	
PERIOD		0.74404	ug/m^3	HS_057	417509.42	3749180.15	69.74	0.00	69.74	
PERIOD		0.81631	ug/m^3	HS_058	417509.42	3749205.15	69.84	0.00	69.84	
PERIOD		0.92375	ug/m^3	HS_059	417509.42	3749230.15	69.95	0.00	69.95	
PERIOD		1.09278	ug/m^3	HS_060	417509.42	3749255.15	70.03	0.00	70.03	
PERIOD		1.37740	ug/m^3	HS_061	417509.42	3749280.15	70.14	0.00	70.14	
PERIOD		1.89452	ug/m^3	HS_062	417509.42	3749305.15	70.03	0.00	70.03	
PERIOD		2.97626	ug/m^3	HS_063	417509.42	3749330.15	70.08	0.00	70.08	
PERIOD		5.07611	ug/m^3	HS_064	417509.42	3749355.15	70.34	0.00	70.34	
PERIOD		1.00856	ug/m^3	HS_065	417534.42	3749230.15	70.20	0.00	70.20	
PERIOD		1.17244	ug/m^3	HS_066	417534.42	3749255.15	70.22	0.00	70.22	
PERIOD		1.44821	ug/m^3	HS_067	417534.42	3749280.15	70.16	0.00	70.16	
PERIOD		1.95204	ug/m^3	HS_068	417534.42	3749305.15	70.01	0.00	70.01	
PERIOD		3.01810	ug/m^3	HS_069	417534.42	3749330.15	70.12	0.00	70.12	
PERIOD		4.29035	ug/m^3	HS_070	417534.42	3749355.15	70.50	0.00	70.50	
PERIOD		1.02243	ug/m^3	HS_071	417559.42	3749205.15	70.51	0.00	70.51	
PERIOD		1.12111	ug/m^3	HS_072	417559.42	3749230.15	70.75	0.00	70.75	

Sensitive Receptor Summary

Troy High School Improvements Project
Construction HRA

Concentration - Source Group: OFFSITE

Averaging Period	Rank	Peak	Units	Receptor ID	X (m)	Y (m)	ZELEV (m)	ZFLAG (m)	ZHILL (m)	Peak Date, Start Hour
PERIOD		1.27906	ug/m^3	HS_073	417559.42	3749255.15	70.72	0.00	70.72	
PERIOD		1.54612	ug/m^3	HS_074	417559.42	3749280.15	70.45	0.00	70.45	
PERIOD		2.03723	ug/m^3	HS_075	417559.42	3749305.15	70.26	0.00	70.26	
PERIOD		3.09083	ug/m^3	HS_076	417559.42	3749330.15	70.34	0.00	70.34	
PERIOD		5.17967	ug/m^3	HS_077	417559.42	3749355.15	70.68	0.00	70.68	
PERIOD		1.19099	ug/m^3	HS_078	417584.42	3749205.15	70.71	0.00	70.71	
PERIOD		1.28389	ug/m^3	HS_079	417584.42	3749230.15	70.96	0.00	70.96	
PERIOD		1.43478	ug/m^3	HS_080	417584.42	3749255.15	70.89	0.00	70.89	
PERIOD		1.68838	ug/m^3	HS_081	417584.42	3749280.15	70.64	0.00	70.64	
PERIOD		2.16092	ug/m^3	HS_082	417584.42	3749305.15	70.54	0.00	70.54	
PERIOD		3.19390	ug/m^3	HS_083	417584.42	3749330.15	70.62	0.00	70.62	
PERIOD		4.41419	ug/m^3	HS_084	417584.42	3749355.15	70.84	0.00	70.84	
PERIOD		1.44412	ug/m^3	HS_085	417609.42	3749205.15	70.93	0.00	70.93	
PERIOD		1.53110	ug/m^3	HS_086	417609.42	3749230.15	71.14	0.00	71.14	
PERIOD		1.67344	ug/m^3	HS_087	417609.42	3749255.15	71.08	0.00	71.08	
PERIOD		1.91104	ug/m^3	HS_088	417609.42	3749280.15	70.93	0.00	70.93	
PERIOD		2.35730	ug/m^3	HS_089	417609.42	3749305.15	70.93	0.00	70.93	
PERIOD		3.36196	ug/m^3	HS_090	417609.42	3749330.15	71.02	0.00	71.02	
PERIOD		5.40512	ug/m^3	HS_091	417609.42	3749355.15	71.20	0.00	71.20	
PERIOD		0.40843	ug/m^3	HS_092	417218.89	3749228.84	67.76	0.00	67.76	

Sensitive Receptor Summary

Troy High School Improvements Project
Construction HRA

Concentration - Source Group: OFFSITE

Averaging Period	Rank	Peak	Units	Receptor ID	X (m)	Y (m)	ZELEV (m)	ZFLAG (m)	ZHILL (m)	Peak Date, Start Hour
PERIOD		0.47140	ug/m^3	HS_093	417218.89	3749248.84	67.94	0.00	67.94	
PERIOD		0.55823	ug/m^3	HS_094	417218.89	3749268.84	68.12	0.00	68.12	
PERIOD		0.43854	ug/m^3	HS_095	417238.89	3749228.84	68.13	0.00	68.13	
PERIOD		0.51039	ug/m^3	HS_096	417238.89	3749248.84	68.21	0.00	68.21	
PERIOD		0.61157	ug/m^3	HS_097	417238.89	3749268.84	68.35	0.00	68.35	
PERIOD		0.76078	ug/m^3	HS_098	417238.89	3749288.84	68.52	0.00	68.52	
PERIOD		0.99374	ug/m^3	HS_099	417238.89	3749308.84	68.68	0.00	68.68	
PERIOD		1.39176	ug/m^3	HS_100	417238.89	3749328.84	68.73	0.00	68.73	
PERIOD		2.12616	ug/m^3	HS_101	417238.89	3749348.84	68.70	0.00	68.70	
PERIOD		0.07200	ug/m^3	R_001	416937.81	3748732.27	62.31	0.00	62.31	
PERIOD		0.07534	ug/m^3	R_002	416937.81	3748757.27	62.48	0.00	62.48	
PERIOD		0.07868	ug/m^3	R_003	416937.81	3748782.27	62.72	0.00	62.72	
PERIOD		0.08199	ug/m^3	R_004	416937.81	3748807.27	62.95	0.00	62.95	
PERIOD		0.08530	ug/m^3	R_005	416937.81	3748832.27	63.15	0.00	63.15	
PERIOD		0.08863	ug/m^3	R_006	416937.81	3748857.27	63.34	0.00	63.34	
PERIOD		0.09200	ug/m^3	R_007	416937.81	3748882.27	63.54	0.00	63.54	
PERIOD		0.09543	ug/m^3	R_008	416937.81	3748907.27	63.62	0.00	63.62	
PERIOD		0.09902	ug/m^3	R_009	416937.81	3748932.27	63.80	0.00	63.80	
PERIOD		0.10283	ug/m^3	R_010	416937.81	3748957.27	64.16	0.00	64.16	
PERIOD		0.10690	ug/m^3	R_011	416937.81	3748982.27	64.45	0.00	64.45	

Sensitive Receptor Summary

Troy High School Improvements Project
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Concentration - Source Group: OFFSITE

Averaging Period	Rank	Peak	Units	Receptor ID	X (m)	Y (m)	ZELEV (m)	ZFLAG (m)	ZHILL (m)	Peak Date, Start Hour
PERIOD		0.11132	ug/m^3	R_012	416937.81	3749007.27	64.71	0.00	64.71	
PERIOD		0.11619	ug/m^3	R_013	416937.81	3749032.27	64.96	0.00	64.96	
PERIOD		0.12161	ug/m^3	R_014	416937.81	3749057.27	65.15	0.00	65.15	
PERIOD		0.12767	ug/m^3	R_015	416937.81	3749082.27	65.27	0.00	65.27	
PERIOD		0.13445	ug/m^3	R_016	416937.81	3749107.27	65.31	0.00	65.31	
PERIOD		0.14199	ug/m^3	R_017	416937.81	3749132.27	65.30	0.00	65.30	
PERIOD		0.15016	ug/m^3	R_018	416937.81	3749157.27	65.05	0.00	65.05	
PERIOD		0.15886	ug/m^3	R_019	416937.81	3749182.27	64.94	0.00	64.94	
PERIOD		0.16755	ug/m^3	R_020	416937.81	3749207.27	64.43	0.00	64.43	
PERIOD		0.17554	ug/m^3	R_021	416937.81	3749232.27	63.33	0.00	63.33	
PERIOD		0.18372	ug/m^3	R_022	416937.81	3749257.27	64.66	0.00	64.66	
PERIOD		0.18990	ug/m^3	R_023	416937.81	3749282.27	65.82	0.00	65.82	
PERIOD		0.19320	ug/m^3	R_024	416937.81	3749307.27	66.40	0.00	66.40	
PERIOD		0.19313	ug/m^3	R_025	416937.81	3749332.27	66.42	0.00	66.42	
PERIOD		0.18982	ug/m^3	R_026	416937.81	3749357.27	66.21	0.00	66.21	
PERIOD		0.07471	ug/m^3	R_027	416962.81	3748732.27	62.53	0.00	62.53	
PERIOD		0.07827	ug/m^3	R_028	416962.81	3748757.27	62.80	0.00	62.80	
PERIOD		0.08181	ug/m^3	R_029	416962.81	3748782.27	63.09	0.00	63.09	
PERIOD		0.08531	ug/m^3	R_030	416962.81	3748807.27	63.34	0.00	63.34	
PERIOD		0.08879	ug/m^3	R_031	416962.81	3748832.27	63.54	0.00	63.54	

Sensitive Receptor Summary

Troy High School Improvements Project
Construction HRA

Concentration - Source Group: OFFSITE

Averaging Period	Rank	Peak	Units	Receptor ID	X (m)	Y (m)	ZELEV (m)	ZFLAG (m)	ZHILL (m)	Peak Date, Start Hour
PERIOD		0.09227	ug/m^3	R_032	416962.81	3748857.27	63.71	0.00	63.71	
PERIOD		0.09579	ug/m^3	R_033	416962.81	3748882.27	63.89	0.00	63.89	
PERIOD		0.09936	ug/m^3	R_034	416962.81	3748907.27	63.90	0.00	63.90	
PERIOD		0.10309	ug/m^3	R_035	416962.81	3748932.27	64.08	0.00	64.08	
PERIOD		0.10707	ug/m^3	R_036	416962.81	3748957.27	64.52	0.00	64.52	
PERIOD		0.11132	ug/m^3	R_037	416962.81	3748982.27	64.84	0.00	64.84	
PERIOD		0.11592	ug/m^3	R_038	416962.81	3749007.27	65.05	0.00	65.05	
PERIOD		0.12102	ug/m^3	R_039	416962.81	3749032.27	65.27	0.00	65.27	
PERIOD		0.12674	ug/m^3	R_040	416962.81	3749057.27	65.45	0.00	65.45	
PERIOD		0.13321	ug/m^3	R_041	416962.81	3749082.27	65.58	0.00	65.58	
PERIOD		0.14054	ug/m^3	R_042	416962.81	3749107.27	65.67	0.00	65.67	
PERIOD		0.14887	ug/m^3	R_043	416962.81	3749132.27	65.81	0.00	65.81	
PERIOD		0.15810	ug/m^3	R_044	416962.81	3749157.27	65.68	0.00	65.68	
PERIOD		0.16818	ug/m^3	R_045	416962.81	3749182.27	65.64	0.00	65.64	
PERIOD		0.17843	ug/m^3	R_046	416962.81	3749207.27	64.93	0.00	64.93	
PERIOD		0.18799	ug/m^3	R_047	416962.81	3749232.27	63.36	0.00	63.36	
PERIOD		0.19819	ug/m^3	R_048	416962.81	3749257.27	64.59	0.00	64.59	
PERIOD		0.20653	ug/m^3	R_049	416962.81	3749282.27	66.10	0.00	66.10	
PERIOD		0.21142	ug/m^3	R_050	416962.81	3749307.27	66.82	0.00	66.82	
PERIOD		0.21212	ug/m^3	R_051	416962.81	3749332.27	66.75	0.00	66.75	

Sensitive Receptor Summary

Troy High School Improvements Project
Construction HRA

Concentration - Source Group: OFFSITE

Averaging Period	Rank	Peak	Units	Receptor ID	X (m)	Y (m)	ZELEV (m)	ZFLAG (m)	ZHILL (m)	Peak Date, Start Hour
PERIOD		0.20875	ug/m^3	R_052	416962.81	3749357.27	66.42	0.00	66.42	
PERIOD		0.07761	ug/m^3	R_053	416987.81	3748732.27	62.67	0.00	62.67	
PERIOD		0.08140	ug/m^3	R_054	416987.81	3748757.27	62.94	0.00	62.94	
PERIOD		0.08515	ug/m^3	R_055	416987.81	3748782.27	63.23	0.00	63.23	
PERIOD		0.08885	ug/m^3	R_056	416987.81	3748807.27	63.46	0.00	63.46	
PERIOD		0.09252	ug/m^3	R_057	416987.81	3748832.27	63.63	0.00	63.63	
PERIOD		0.09618	ug/m^3	R_058	416987.81	3748857.27	63.79	0.00	63.79	
PERIOD		0.09987	ug/m^3	R_059	416987.81	3748882.27	63.94	0.00	63.94	
PERIOD		0.10359	ug/m^3	R_060	416987.81	3748907.27	63.94	0.00	63.94	
PERIOD		0.10747	ug/m^3	R_061	416987.81	3748932.27	64.11	0.00	64.11	
PERIOD		0.11161	ug/m^3	R_062	416987.81	3748957.27	64.52	0.00	64.52	
PERIOD		0.11602	ug/m^3	R_063	416987.81	3748982.27	64.82	0.00	64.82	
PERIOD		0.12081	ug/m^3	R_064	416987.81	3749007.27	64.97	0.00	64.97	
PERIOD		0.12613	ug/m^3	R_065	416987.81	3749032.27	65.14	0.00	65.14	
PERIOD		0.13214	ug/m^3	R_066	416987.81	3749057.27	65.30	0.00	65.30	
PERIOD		0.13901	ug/m^3	R_067	416987.81	3749082.27	65.44	0.00	65.44	
PERIOD		0.14691	ug/m^3	R_068	416987.81	3749107.27	65.58	0.00	65.58	
PERIOD		0.15600	ug/m^3	R_069	416987.81	3749132.27	65.73	0.00	65.73	
PERIOD		0.16635	ug/m^3	R_070	416987.81	3749157.27	65.74	0.00	65.74	
PERIOD		0.17796	ug/m^3	R_071	416987.81	3749182.27	65.85	0.00	65.85	

Sensitive Receptor Summary

Troy High School Improvements Project
Construction HRA

Concentration - Source Group: OFFSITE

Averaging Period	Rank	Peak	Units	Receptor ID	X (m)	Y (m)	ZELEV (m)	ZFLAG (m)	ZHILL (m)	Peak Date, Start Hour
PERIOD		0.19020	ug/m^3	R_072	416987.81	3749207.27	65.34	0.00	65.34	
PERIOD		0.20209	ug/m^3	R_073	416987.81	3749232.27	63.92	0.00	63.92	
PERIOD		0.21409	ug/m^3	R_074	416987.81	3749257.27	63.97	0.00	63.97	
PERIOD		0.22535	ug/m^3	R_075	416987.81	3749282.27	65.75	0.00	65.75	
PERIOD		0.23242	ug/m^3	R_076	416987.81	3749307.27	66.45	0.00	66.45	
PERIOD		0.23430	ug/m^3	R_077	416987.81	3749332.27	66.34	0.00	66.34	
PERIOD		0.23116	ug/m^3	R_078	416987.81	3749357.27	66.23	0.00	66.23	
PERIOD		0.08076	ug/m^3	R_079	417012.81	3748732.27	62.93	0.00	62.93	
PERIOD		0.08475	ug/m^3	R_080	417012.81	3748757.27	63.00	0.00	63.00	
PERIOD		0.08872	ug/m^3	R_081	417012.81	3748782.27	63.15	0.00	63.15	
PERIOD		0.09264	ug/m^3	R_082	417012.81	3748807.27	63.33	0.00	63.33	
PERIOD		0.09652	ug/m^3	R_083	417012.81	3748832.27	63.49	0.00	63.49	
PERIOD		0.10039	ug/m^3	R_084	417012.81	3748857.27	63.65	0.00	63.65	
PERIOD		0.10427	ug/m^3	R_085	417012.81	3748882.27	63.82	0.00	63.82	
PERIOD		0.10819	ug/m^3	R_086	417012.81	3748907.27	63.93	0.00	63.93	
PERIOD		0.11225	ug/m^3	R_087	417012.81	3748932.27	64.15	0.00	64.15	
PERIOD		0.11655	ug/m^3	R_088	417012.81	3748957.27	64.50	0.00	64.50	
PERIOD		0.12114	ug/m^3	R_089	417012.81	3748982.27	64.78	0.00	64.78	
PERIOD		0.12613	ug/m^3	R_090	417012.81	3749007.27	64.93	0.00	64.93	
PERIOD		0.13170	ug/m^3	R_091	417012.81	3749032.27	65.10	0.00	65.10	

Sensitive Receptor Summary

Troy High School Improvements Project
Construction HRA

Concentration - Source Group: OFFSITE

Averaging Period	Rank	Peak	Units	Receptor ID	X (m)	Y (m)	ZELEV (m)	ZFLAG (m)	ZHILL (m)	Peak Date, Start Hour
PERIOD		0.13801	ug/m^3	R_092	417012.81	3749057.27	65.26	0.00	65.26	
PERIOD		0.14528	ug/m^3	R_093	417012.81	3749082.27	65.41	0.00	65.41	
PERIOD		0.15374	ug/m^3	R_094	417012.81	3749107.27	65.55	0.00	65.55	
PERIOD		0.16361	ug/m^3	R_095	417012.81	3749132.27	65.68	0.00	65.68	
PERIOD		0.17510	ug/m^3	R_096	417012.81	3749157.27	65.78	0.00	65.78	
PERIOD		0.18834	ug/m^3	R_097	417012.81	3749182.27	65.95	0.00	65.95	
PERIOD		0.20298	ug/m^3	R_098	417012.81	3749207.27	65.82	0.00	65.82	
PERIOD		0.21796	ug/m^3	R_099	417012.81	3749232.27	64.88	0.00	64.88	
PERIOD		0.23127	ug/m^3	R_100	417012.81	3749257.27	62.67	0.00	62.67	
PERIOD		0.24601	ug/m^3	R_101	417012.81	3749282.27	64.18	0.00	64.18	
PERIOD		0.25668	ug/m^3	R_102	417012.81	3749307.27	65.40	0.00	65.40	
PERIOD		0.26089	ug/m^3	R_103	417012.81	3749332.27	65.89	0.00	65.89	
PERIOD		0.25837	ug/m^3	R_104	417012.81	3749357.27	66.09	0.00	66.09	
PERIOD		0.08418	ug/m^3	R_105	417037.81	3748732.27	63.38	0.00	63.38	
PERIOD		0.08845	ug/m^3	R_106	417037.81	3748757.27	63.46	0.00	63.46	
PERIOD		0.09267	ug/m^3	R_107	417037.81	3748782.27	63.59	0.00	63.59	
PERIOD		0.09685	ug/m^3	R_108	417037.81	3748807.27	63.74	0.00	63.74	
PERIOD		0.10097	ug/m^3	R_109	417037.81	3748832.27	63.90	0.00	63.90	
PERIOD		0.10507	ug/m^3	R_110	417037.81	3748857.27	64.10	0.00	64.10	
PERIOD		0.10917	ug/m^3	R_111	417037.81	3748882.27	64.26	0.00	64.26	

Sensitive Receptor Summary

Troy High School Improvements Project
Construction HRA

Concentration - Source Group: OFFSITE

Averaging Period	Rank	Peak	Units	Receptor ID	X (m)	Y (m)	ZELEV (m)	ZFLAG (m)	ZHILL (m)	Peak Date, Start Hour
PERIOD		0.11328	ug/m^3	R_112	417037.81	3748907.27	64.28	0.00	64.28	
PERIOD		0.11754	ug/m^3	R_113	417037.81	3748932.27	64.49	0.00	64.49	
PERIOD		0.12206	ug/m^3	R_114	417037.81	3748957.27	64.93	0.00	64.93	
PERIOD		0.12686	ug/m^3	R_115	417037.81	3748982.27	65.28	0.00	65.28	
PERIOD		0.13209	ug/m^3	R_116	417037.81	3749007.27	65.46	0.00	65.46	
PERIOD		0.13792	ug/m^3	R_117	417037.81	3749032.27	65.64	0.00	65.64	
PERIOD		0.14456	ug/m^3	R_118	417037.81	3749057.27	65.80	0.00	65.80	
PERIOD		0.15224	ug/m^3	R_119	417037.81	3749082.27	65.94	0.00	65.94	
PERIOD		0.16127	ug/m^3	R_120	417037.81	3749107.27	66.09	0.00	66.09	
PERIOD		0.17196	ug/m^3	R_121	417037.81	3749132.27	66.20	0.00	66.20	
PERIOD		0.18462	ug/m^3	R_122	417037.81	3749157.27	66.24	0.00	66.24	
PERIOD		0.19949	ug/m^3	R_123	417037.81	3749182.27	66.21	0.00	66.21	
PERIOD		0.21669	ug/m^3	R_124	417037.81	3749207.27	66.24	0.00	66.24	
PERIOD		0.23563	ug/m^3	R_125	417037.81	3749232.27	66.14	0.00	66.14	
PERIOD		0.25389	ug/m^3	R_126	417037.81	3749257.27	64.63	0.00	64.63	
PERIOD		0.27003	ug/m^3	R_127	417037.81	3749282.27	63.16	0.00	66.82	
PERIOD		0.28379	ug/m^3	R_128	417037.81	3749307.27	63.24	0.00	63.24	
PERIOD		0.29176	ug/m^3	R_129	417037.81	3749332.27	64.25	0.00	64.25	
PERIOD		0.29150	ug/m^3	R_130	417037.81	3749357.27	65.54	0.00	65.54	
PERIOD		0.08786	ug/m^3	R_131	417062.81	3748732.27	63.67	0.00	63.67	

Sensitive Receptor Summary

Troy High School Improvements Project
Construction HRA

Concentration - Source Group: OFFSITE

Averaging Period	Rank	Peak	Units	Receptor ID	X (m)	Y (m)	ZELEV (m)	ZFLAG (m)	ZHILL (m)	Peak Date, Start Hour
PERIOD		0.09243	ug/m^3	R_132	417062.81	3748757.27	63.75	0.00	63.75	
PERIOD		0.09694	ug/m^3	R_133	417062.81	3748782.27	63.86	0.00	63.86	
PERIOD		0.10139	ug/m^3	R_134	417062.81	3748807.27	63.98	0.00	63.98	
PERIOD		0.10578	ug/m^3	R_135	417062.81	3748832.27	64.15	0.00	64.15	
PERIOD		0.11015	ug/m^3	R_136	417062.81	3748857.27	64.44	0.00	64.44	
PERIOD		0.11452	ug/m^3	R_137	417062.81	3748882.27	64.78	0.00	64.78	
PERIOD		0.11884	ug/m^3	R_138	417062.81	3748907.27	64.71	0.00	64.71	
PERIOD		0.12330	ug/m^3	R_139	417062.81	3748932.27	64.78	0.00	64.78	
PERIOD		0.12803	ug/m^3	R_140	417062.81	3748957.27	65.16	0.00	65.16	
PERIOD		0.13309	ug/m^3	R_141	417062.81	3748982.27	65.55	0.00	65.55	
PERIOD		0.13858	ug/m^3	R_142	417062.81	3749007.27	65.84	0.00	65.84	
PERIOD		0.14471	ug/m^3	R_143	417062.81	3749032.27	66.06	0.00	66.06	
PERIOD		0.15168	ug/m^3	R_144	417062.81	3749057.27	66.19	0.00	66.19	
PERIOD		0.15978	ug/m^3	R_145	417062.81	3749082.27	66.28	0.00	66.28	
PERIOD		0.16936	ug/m^3	R_146	417062.81	3749107.27	66.37	0.00	66.37	
PERIOD		0.18085	ug/m^3	R_147	417062.81	3749132.27	66.43	0.00	66.43	
PERIOD		0.19473	ug/m^3	R_148	417062.81	3749157.27	66.49	0.00	66.49	
PERIOD		0.21138	ug/m^3	R_149	417062.81	3749182.27	66.42	0.00	66.42	
PERIOD		0.23123	ug/m^3	R_150	417062.81	3749207.27	66.38	0.00	66.38	
PERIOD		0.25429	ug/m^3	R_151	417062.81	3749232.27	66.48	0.00	66.48	

Sensitive Receptor Summary

Troy High School Improvements Project
Construction HRA

Concentration - Source Group: OFFSITE

Averaging Period	Rank	Peak	Units	Receptor ID	X (m)	Y (m)	ZELEV (m)	ZFLAG (m)	ZHILL (m)	Peak Date, Start Hour
PERIOD		0.27939	ug/m^3	R_152	417062.81	3749257.27	66.64	0.00	66.64	
PERIOD		0.30331	ug/m^3	R_153	417062.81	3749282.27	66.15	0.00	66.15	
PERIOD		0.32231	ug/m^3	R_154	417062.81	3749307.27	65.17	0.00	65.17	
PERIOD		0.33254	ug/m^3	R_155	417062.81	3749332.27	64.53	0.00	64.53	
PERIOD		0.33282	ug/m^3	R_156	417062.81	3749357.27	64.86	0.00	64.86	
PERIOD		0.09185	ug/m^3	R_157	417087.81	3748732.27	63.93	0.00	63.93	
PERIOD		0.09676	ug/m^3	R_158	417087.81	3748757.27	63.99	0.00	63.99	
PERIOD		0.10159	ug/m^3	R_159	417087.81	3748782.27	64.07	0.00	64.07	
PERIOD		0.10633	ug/m^3	R_160	417087.81	3748807.27	64.17	0.00	64.17	
PERIOD		0.11101	ug/m^3	R_161	417087.81	3748832.27	64.35	0.00	64.35	
PERIOD		0.11565	ug/m^3	R_162	417087.81	3748857.27	64.61	0.00	64.61	
PERIOD		0.12029	ug/m^3	R_163	417087.81	3748882.27	64.97	0.00	64.97	
PERIOD		0.12487	ug/m^3	R_164	417087.81	3748907.27	64.93	0.00	64.93	
PERIOD		0.12953	ug/m^3	R_165	417087.81	3748932.27	64.84	0.00	64.84	
PERIOD		0.13445	ug/m^3	R_166	417087.81	3748957.27	64.93	0.00	64.93	
PERIOD		0.13974	ug/m^3	R_167	417087.81	3748982.27	65.21	0.00	65.21	
PERIOD		0.14549	ug/m^3	R_168	417087.81	3749007.27	65.40	0.00	65.40	
PERIOD		0.15192	ug/m^3	R_169	417087.81	3749032.27	65.61	0.00	65.61	
PERIOD		0.15927	ug/m^3	R_170	417087.81	3749057.27	65.81	0.00	65.81	
PERIOD		0.16784	ug/m^3	R_171	417087.81	3749082.27	65.96	0.00	65.96	

Sensitive Receptor Summary

Troy High School Improvements Project
Construction HRA

Concentration - Source Group: OFFSITE

Averaging Period	Rank	Peak	Units	Receptor ID	X (m)	Y (m)	ZELEV (m)	ZFLAG (m)	ZHILL (m)	Peak Date, Start Hour
PERIOD		0.17801	ug/m^3	R_172	417087.81	3749107.27	66.05	0.00	66.05	
PERIOD		0.19032	ug/m^3	R_173	417087.81	3749132.27	66.15	0.00	66.15	
PERIOD		0.20541	ug/m^3	R_174	417087.81	3749157.27	66.25	0.00	66.25	
PERIOD		0.22400	ug/m^3	R_175	417087.81	3749182.27	66.34	0.00	66.34	
PERIOD		0.24682	ug/m^3	R_176	417087.81	3749207.27	66.47	0.00	66.47	
PERIOD		0.27438	ug/m^3	R_177	417087.81	3749232.27	66.63	0.00	66.63	
PERIOD		0.30613	ug/m^3	R_178	417087.81	3749257.27	66.74	0.00	66.74	
PERIOD		0.33950	ug/m^3	R_179	417087.81	3749282.27	66.90	0.00	66.90	
PERIOD		0.36933	ug/m^3	R_180	417087.81	3749307.27	66.89	0.00	66.89	
PERIOD		0.38781	ug/m^3	R_181	417087.81	3749332.27	66.42	0.00	66.42	
PERIOD		0.38943	ug/m^3	R_182	417087.81	3749357.27	65.79	0.00	65.79	
PERIOD		0.09616	ug/m^3	R_183	417112.81	3748732.27	64.04	0.00	64.04	
PERIOD		0.10144	ug/m^3	R_184	417112.81	3748757.27	64.09	0.00	64.09	
PERIOD		0.10663	ug/m^3	R_185	417112.81	3748782.27	64.17	0.00	64.17	
PERIOD		0.11172	ug/m^3	R_186	417112.81	3748807.27	64.28	0.00	64.28	
PERIOD		0.11672	ug/m^3	R_187	417112.81	3748832.27	64.43	0.00	64.43	
PERIOD		0.12164	ug/m^3	R_188	417112.81	3748857.27	64.57	0.00	64.57	
PERIOD		0.12652	ug/m^3	R_189	417112.81	3748882.27	64.77	0.00	64.77	
PERIOD		0.13141	ug/m^3	R_190	417112.81	3748907.27	64.90	0.00	64.90	
PERIOD		0.13639	ug/m^3	R_191	417112.81	3748932.27	65.03	0.00	65.03	

Sensitive Receptor Summary

Troy High School Improvements Project
Construction HRA

Concentration - Source Group: OFFSITE

Averaging Period	Rank	Peak	Units	Receptor ID	X (m)	Y (m)	ZELEV (m)	ZFLAG (m)	ZHILL (m)	Peak Date, Start Hour
PERIOD		0.14161	ug/m^3	R_192	417112.81	3748957.27	65.23	0.00	65.23	
PERIOD		0.14722	ug/m^3	R_193	417112.81	3748982.27	65.61	0.00	65.61	
PERIOD		0.15326	ug/m^3	R_194	417112.81	3749007.27	65.67	0.00	65.67	
PERIOD		0.16005	ug/m^3	R_195	417112.81	3749032.27	65.83	0.00	65.83	
PERIOD		0.16784	ug/m^3	R_196	417112.81	3749057.27	66.08	0.00	66.08	
PERIOD		0.17694	ug/m^3	R_197	417112.81	3749082.27	66.28	0.00	66.28	
PERIOD		0.18776	ug/m^3	R_198	417112.81	3749107.27	66.31	0.00	66.31	
PERIOD		0.20101	ug/m^3	R_199	417112.81	3749132.27	66.50	0.00	66.50	
PERIOD		0.21740	ug/m^3	R_200	417112.81	3749157.27	66.64	0.00	66.64	
PERIOD		0.23795	ug/m^3	R_201	417112.81	3749182.27	66.76	0.00	66.76	
PERIOD		0.26389	ug/m^3	R_202	417112.81	3749207.27	66.90	0.00	66.90	
PERIOD		0.29642	ug/m^3	R_203	417112.81	3749232.27	67.07	0.00	67.07	
PERIOD		0.33611	ug/m^3	R_204	417112.81	3749257.27	67.17	0.00	67.17	
PERIOD		0.38107	ug/m^3	R_205	417112.81	3749282.27	67.08	0.00	67.08	
PERIOD		0.42536	ug/m^3	R_206	417112.81	3749307.27	67.12	0.00	67.12	
PERIOD		0.45759	ug/m^3	R_207	417112.81	3749332.27	66.94	0.00	66.94	
PERIOD		0.46490	ug/m^3	R_208	417112.81	3749357.27	66.28	0.00	66.28	
PERIOD		0.10088	ug/m^3	R_209	417137.81	3748732.27	64.22	0.00	64.22	
PERIOD		0.10658	ug/m^3	R_210	417137.81	3748757.27	64.27	0.00	64.27	
PERIOD		0.11218	ug/m^3	R_211	417137.81	3748782.27	64.35	0.00	64.35	

Sensitive Receptor Summary

Troy High School Improvements Project
Construction HRA

Concentration - Source Group: OFFSITE

Averaging Period	Rank	Peak	Units	Receptor ID	X (m)	Y (m)	ZELEV (m)	ZFLAG (m)	ZHILL (m)	Peak Date, Start Hour
PERIOD		0.11765	ug/m^3	R_212	417137.81	3748807.27	64.46	0.00	64.46	
PERIOD		0.12301	ug/m^3	R_213	417137.81	3748832.27	64.60	0.00	64.60	
PERIOD		0.12826	ug/m^3	R_214	417137.81	3748857.27	64.74	0.00	64.74	
PERIOD		0.13350	ug/m^3	R_215	417137.81	3748882.27	65.05	0.00	65.05	
PERIOD		0.13874	ug/m^3	R_216	417137.81	3748907.27	65.37	0.00	65.37	
PERIOD		0.14401	ug/m^3	R_217	417137.81	3748932.27	65.44	0.00	65.44	
PERIOD		0.14947	ug/m^3	R_218	417137.81	3748957.27	65.44	0.00	65.44	
PERIOD		0.15540	ug/m^3	R_219	417137.81	3748982.27	65.82	0.00	65.82	
PERIOD		0.16183	ug/m^3	R_220	417137.81	3749007.27	66.03	0.00	66.03	
PERIOD		0.16895	ug/m^3	R_221	417137.81	3749032.27	66.04	0.00	66.04	
PERIOD		0.17724	ug/m^3	R_222	417137.81	3749057.27	66.32	0.00	66.32	
PERIOD		0.18698	ug/m^3	R_223	417137.81	3749082.27	66.64	0.00	66.64	
PERIOD		0.19858	ug/m^3	R_224	417137.81	3749107.27	66.69	0.00	66.69	
PERIOD		0.21281	ug/m^3	R_225	417137.81	3749132.27	66.79	0.00	66.79	
PERIOD		0.23070	ug/m^3	R_226	417137.81	3749157.27	67.09	0.00	67.09	
PERIOD		0.25339	ug/m^3	R_227	417137.81	3749182.27	67.31	0.00	67.31	
PERIOD		0.28259	ug/m^3	R_228	417137.81	3749207.27	67.47	0.00	67.47	
PERIOD		0.32050	ug/m^3	R_229	417137.81	3749232.27	67.59	0.00	67.59	
PERIOD		0.36932	ug/m^3	R_230	417137.81	3749257.27	67.66	0.00	67.66	
PERIOD		0.42930	ug/m^3	R_231	417137.81	3749282.27	67.41	0.00	67.41	

Sensitive Receptor Summary

Troy High School Improvements Project
Construction HRA

Concentration - Source Group: OFFSITE

Averaging Period	Rank	Peak	Units	Receptor ID	X (m)	Y (m)	ZELEV (m)	ZFLAG (m)	ZHILL (m)	Peak Date, Start Hour
PERIOD		0.49572	ug/m^3	R_232	417137.81	3749307.27	67.37	0.00	67.37	
PERIOD		0.55158	ug/m^3	R_233	417137.81	3749332.27	67.26	0.00	67.26	
PERIOD		0.57311	ug/m^3	R_234	417137.81	3749357.27	67.09	0.00	67.09	
PERIOD		0.10603	ug/m^3	R_235	417162.81	3748732.27	64.45	0.00	64.45	
PERIOD		0.11223	ug/m^3	R_236	417162.81	3748757.27	64.54	0.00	64.54	
PERIOD		0.11827	ug/m^3	R_237	417162.81	3748782.27	64.60	0.00	64.60	
PERIOD		0.12418	ug/m^3	R_238	417162.81	3748807.27	64.70	0.00	64.70	
PERIOD		0.12994	ug/m^3	R_239	417162.81	3748832.27	64.86	0.00	64.86	
PERIOD		0.13558	ug/m^3	R_240	417162.81	3748857.27	65.03	0.00	65.03	
PERIOD		0.14119	ug/m^3	R_241	417162.81	3748882.27	65.42	0.00	65.42	
PERIOD		0.14679	ug/m^3	R_242	417162.81	3748907.27	65.77	0.00	65.77	
PERIOD		0.15238	ug/m^3	R_243	417162.81	3748932.27	65.79	0.00	65.79	
PERIOD		0.15816	ug/m^3	R_244	417162.81	3748957.27	65.68	0.00	65.68	
PERIOD		0.16440	ug/m^3	R_245	417162.81	3748982.27	65.91	0.00	65.91	
PERIOD		0.17123	ug/m^3	R_246	417162.81	3749007.27	66.19	0.00	66.19	
PERIOD		0.17876	ug/m^3	R_247	417162.81	3749032.27	66.16	0.00	66.16	
PERIOD		0.18755	ug/m^3	R_248	417162.81	3749057.27	66.44	0.00	66.44	
PERIOD		0.19798	ug/m^3	R_249	417162.81	3749082.27	66.84	0.00	66.84	
PERIOD		0.21046	ug/m^3	R_250	417162.81	3749107.27	66.98	0.00	66.98	
PERIOD		0.22579	ug/m^3	R_251	417162.81	3749132.27	66.95	0.00	66.95	

Sensitive Receptor Summary

Troy High School Improvements Project
Construction HRA

Concentration - Source Group: OFFSITE

Averaging Period	Rank	Peak	Units	Receptor ID	X (m)	Y (m)	ZELEV (m)	ZFLAG (m)	ZHILL (m)	Peak Date, Start Hour
PERIOD		0.24533	ug/m^3	R_252	417162.81	3749157.27	67.29	0.00	67.29	
PERIOD		0.27039	ug/m^3	R_253	417162.81	3749182.27	67.54	0.00	67.54	
PERIOD		0.30313	ug/m^3	R_254	417162.81	3749207.27	67.69	0.00	67.69	
PERIOD		0.34671	ug/m^3	R_255	417162.81	3749232.27	67.78	0.00	67.78	
PERIOD		0.40548	ug/m^3	R_256	417162.81	3749257.27	67.80	0.00	67.80	
PERIOD		0.48399	ug/m^3	R_257	417162.81	3749282.27	67.63	0.00	67.63	
PERIOD		0.58366	ug/m^3	R_258	417162.81	3749307.27	67.71	0.00	67.71	
PERIOD		0.68349	ug/m^3	R_259	417162.81	3749332.27	67.67	0.00	67.67	
PERIOD		0.73589	ug/m^3	R_260	417162.81	3749357.27	67.65	0.00	67.65	
PERIOD		0.11170	ug/m^3	R_261	417187.81	3748732.27	64.75	0.00	64.75	
PERIOD		0.11844	ug/m^3	R_262	417187.81	3748757.27	64.87	0.00	64.87	
PERIOD		0.12501	ug/m^3	R_263	417187.81	3748782.27	64.96	0.00	64.96	
PERIOD		0.13140	ug/m^3	R_264	417187.81	3748807.27	65.08	0.00	65.08	
PERIOD		0.13762	ug/m^3	R_265	417187.81	3748832.27	65.26	0.00	65.26	
PERIOD		0.14370	ug/m^3	R_266	417187.81	3748857.27	65.50	0.00	65.50	
PERIOD		0.14968	ug/m^3	R_267	417187.81	3748882.27	65.79	0.00	65.79	
PERIOD		0.15562	ug/m^3	R_268	417187.81	3748907.27	66.03	0.00	66.03	
PERIOD		0.16159	ug/m^3	R_269	417187.81	3748932.27	66.03	0.00	66.03	
PERIOD		0.16775	ug/m^3	R_270	417187.81	3748957.27	65.96	0.00	65.96	
PERIOD		0.17440	ug/m^3	R_271	417187.81	3748982.27	66.18	0.00	66.18	

Sensitive Receptor Summary

Troy High School Improvements Project
Construction HRA

Concentration - Source Group: OFFSITE

Averaging Period	Rank	Peak	Units	Receptor ID	X (m)	Y (m)	ZELEV (m)	ZFLAG (m)	ZHILL (m)	Peak Date, Start Hour
PERIOD		0.18163	ug/m^3	R_272	417187.81	3749007.27	66.38	0.00	66.38	
PERIOD		0.18965	ug/m^3	R_273	417187.81	3749032.27	66.34	0.00	66.34	
PERIOD		0.19899	ug/m^3	R_274	417187.81	3749057.27	66.52	0.00	66.52	
PERIOD		0.21009	ug/m^3	R_275	417187.81	3749082.27	66.81	0.00	66.81	
PERIOD		0.22349	ug/m^3	R_276	417187.81	3749107.27	66.95	0.00	66.95	
PERIOD		0.24007	ug/m^3	R_277	417187.81	3749132.27	66.96	0.00	66.96	
PERIOD		0.26131	ug/m^3	R_278	417187.81	3749157.27	67.15	0.00	67.15	
PERIOD		0.28894	ug/m^3	R_279	417187.81	3749182.27	67.32	0.00	67.32	
PERIOD		0.32572	ug/m^3	R_280	417187.81	3749207.27	67.47	0.00	67.47	
PERIOD		0.37579	ug/m^3	R_281	417187.81	3749232.27	67.61	0.00	67.61	
PERIOD		0.44561	ug/m^3	R_282	417187.81	3749257.27	67.73	0.00	67.73	
PERIOD		0.54571	ug/m^3	R_283	417187.81	3749282.27	67.82	0.00	67.82	
PERIOD		0.69030	ug/m^3	R_284	417187.81	3749307.27	68.03	0.00	68.03	
PERIOD		0.87324	ug/m^3	R_285	417187.81	3749332.27	68.08	0.00	68.08	
PERIOD		1.00365	ug/m^3	R_286	417187.81	3749357.27	68.04	0.00	68.04	
PERIOD		0.11802	ug/m^3	R_287	417212.81	3748732.27	65.36	0.00	65.36	
PERIOD		0.12537	ug/m^3	R_288	417212.81	3748757.27	65.44	0.00	65.44	
PERIOD		0.13252	ug/m^3	R_289	417212.81	3748782.27	65.52	0.00	65.52	
PERIOD		0.13944	ug/m^3	R_290	417212.81	3748807.27	65.61	0.00	65.61	
PERIOD		0.14614	ug/m^3	R_291	417212.81	3748832.27	65.71	0.00	65.71	

Sensitive Receptor Summary

Troy High School Improvements Project
Construction HRA

Concentration - Source Group: OFFSITE

Averaging Period	Rank	Peak	Units	Receptor ID	X (m)	Y (m)	ZELEV (m)	ZFLAG (m)	ZHILL (m)	Peak Date, Start Hour
PERIOD		0.15265	ug/m^3	R_292	417212.81	3748857.27	65.87	0.00	65.87	
PERIOD		0.15902	ug/m^3	R_293	417212.81	3748882.27	66.00	0.00	66.00	
PERIOD		0.16534	ug/m^3	R_294	417212.81	3748907.27	66.12	0.00	66.12	
PERIOD		0.17172	ug/m^3	R_295	417212.81	3748932.27	66.13	0.00	66.13	
PERIOD		0.17833	ug/m^3	R_296	417212.81	3748957.27	66.18	0.00	66.18	
PERIOD		0.18544	ug/m^3	R_297	417212.81	3748982.27	66.48	0.00	66.48	
PERIOD		0.19312	ug/m^3	R_298	417212.81	3749007.27	66.62	0.00	66.62	
PERIOD		0.61734	ug/m^3	R_299	417212.81	3749282.27	68.16	0.00	68.16	
PERIOD		0.81668	ug/m^3	R_300	417212.81	3749307.27	68.39	0.00	68.39	
PERIOD		1.13921	ug/m^3	R_301	417212.81	3749332.27	68.46	0.00	68.46	
PERIOD		1.50141	ug/m^3	R_302	417212.81	3749357.27	68.47	0.00	68.47	
PERIOD		0.12489	ug/m^3	R_303	417237.81	3748732.27	65.43	0.00	65.43	
PERIOD		0.13294	ug/m^3	R_304	417237.81	3748757.27	65.51	0.00	65.51	
PERIOD		0.14074	ug/m^3	R_305	417237.81	3748782.27	65.59	0.00	65.59	
PERIOD		0.14826	ug/m^3	R_306	417237.81	3748807.27	65.66	0.00	65.66	
PERIOD		0.15550	ug/m^3	R_307	417237.81	3748832.27	65.73	0.00	65.73	
PERIOD		0.16249	ug/m^3	R_308	417237.81	3748857.27	65.82	0.00	65.82	
PERIOD		0.16931	ug/m^3	R_309	417237.81	3748882.27	65.91	0.00	65.91	
PERIOD		0.17607	ug/m^3	R_310	417237.81	3748907.27	66.03	0.00	66.03	
PERIOD		0.18292	ug/m^3	R_311	417237.81	3748932.27	66.15	0.00	66.15	

Sensitive Receptor Summary

Troy High School Improvements Project
Construction HRA

Concentration - Source Group: OFFSITE

Averaging Period	Rank	Peak	Units	Receptor ID	X (m)	Y (m)	ZELEV (m)	ZFLAG (m)	ZHILL (m)	Peak Date, Start Hour
PERIOD		0.19002	ug/m^3	R_312	417237.81	3748957.27	66.36	0.00	66.36	
PERIOD		0.19761	ug/m^3	R_313	417237.81	3748982.27	66.72	0.00	66.72	
PERIOD		0.20579	ug/m^3	R_314	417237.81	3749007.27	66.84	0.00	66.84	
PERIOD		0.13257	ug/m^3	R_315	417262.81	3748732.27	65.63	0.00	65.63	
PERIOD		0.14143	ug/m^3	R_316	417262.81	3748757.27	65.72	0.00	65.72	
PERIOD		0.14999	ug/m^3	R_317	417262.81	3748782.27	65.83	0.00	65.83	
PERIOD		0.15821	ug/m^3	R_318	417262.81	3748807.27	65.93	0.00	65.93	
PERIOD		0.16606	ug/m^3	R_319	417262.81	3748832.27	66.00	0.00	66.00	
PERIOD		0.17361	ug/m^3	R_320	417262.81	3748857.27	66.08	0.00	66.08	
PERIOD		0.18095	ug/m^3	R_321	417262.81	3748882.27	66.21	0.00	66.21	
PERIOD		0.18820	ug/m^3	R_322	417262.81	3748907.27	66.35	0.00	66.35	
PERIOD		0.19550	ug/m^3	R_323	417262.81	3748932.27	66.46	0.00	66.46	
PERIOD		0.20305	ug/m^3	R_324	417262.81	3748957.27	66.63	0.00	66.63	
PERIOD		0.21109	ug/m^3	R_325	417262.81	3748982.27	66.95	0.00	66.95	
PERIOD		0.21979	ug/m^3	R_326	417262.81	3749007.27	67.09	0.00	67.09	
PERIOD		0.14120	ug/m^3	R_327	417287.81	3748732.27	65.82	0.00	65.82	
PERIOD		0.15100	ug/m^3	R_328	417287.81	3748757.27	65.94	0.00	65.94	
PERIOD		0.16044	ug/m^3	R_329	417287.81	3748782.27	66.08	0.00	66.08	
PERIOD		0.16944	ug/m^3	R_330	417287.81	3748807.27	66.22	0.00	66.22	
PERIOD		0.17801	ug/m^3	R_331	417287.81	3748832.27	66.36	0.00	66.36	

Sensitive Receptor Summary

Troy High School Improvements Project
Construction HRA

Concentration - Source Group: OFFSITE

Averaging Period	Rank	Peak	Units	Receptor ID	X (m)	Y (m)	ZELEV (m)	ZFLAG (m)	ZHILL (m)	Peak Date, Start Hour
PERIOD		0.18620	ug/m^3	R_332	417287.81	3748857.27	66.51	0.00	66.51	
PERIOD		0.19412	ug/m^3	R_333	417287.81	3748882.27	66.68	0.00	66.68	
PERIOD		0.20190	ug/m^3	R_334	417287.81	3748907.27	66.82	0.00	66.82	
PERIOD		0.20968	ug/m^3	R_335	417287.81	3748932.27	66.87	0.00	66.87	
PERIOD		0.21769	ug/m^3	R_336	417287.81	3748957.27	66.99	0.00	66.99	
PERIOD		0.22623	ug/m^3	R_337	417287.81	3748982.27	67.33	0.00	67.33	
PERIOD		0.23546	ug/m^3	R_338	417287.81	3749007.27	67.51	0.00	67.51	
PERIOD		0.15087	ug/m^3	R_339	417312.81	3748732.27	65.72	0.00	65.72	
PERIOD		0.16177	ug/m^3	R_340	417312.81	3748757.27	65.85	0.00	65.85	
PERIOD		0.17221	ug/m^3	R_341	417312.81	3748782.27	65.99	0.00	65.99	
PERIOD		0.18212	ug/m^3	R_342	417312.81	3748807.27	66.14	0.00	66.14	
PERIOD		0.19148	ug/m^3	R_343	417312.81	3748832.27	66.29	0.00	66.29	
PERIOD		0.20036	ug/m^3	R_344	417312.81	3748857.27	66.45	0.00	66.45	
PERIOD		0.20892	ug/m^3	R_345	417312.81	3748882.27	66.65	0.00	66.65	
PERIOD		0.21730	ug/m^3	R_346	417312.81	3748907.27	66.85	0.00	66.85	
PERIOD		0.22563	ug/m^3	R_347	417312.81	3748932.27	67.00	0.00	67.00	
PERIOD		0.23417	ug/m^3	R_348	417312.81	3748957.27	67.18	0.00	67.18	
PERIOD		0.24322	ug/m^3	R_349	417312.81	3748982.27	67.51	0.00	67.51	
PERIOD		0.25300	ug/m^3	R_350	417312.81	3749007.27	67.76	0.00	67.76	
PERIOD		0.26386	ug/m^3	R_351	417312.81	3749032.27	67.76	0.00	67.76	

Sensitive Receptor Summary

Troy High School Improvements Project
Construction HRA

Concentration - Source Group: OFFSITE

Averaging Period	Rank	Peak	Units	Receptor ID	X (m)	Y (m)	ZELEV (m)	ZFLAG (m)	ZHILL (m)	Peak Date, Start Hour
PERIOD		0.16195	ug/m^3	R_352	417337.81	3748732.27	65.74	0.00	65.74	
PERIOD		0.17415	ug/m^3	R_353	417337.81	3748757.27	65.87	0.00	65.87	
PERIOD		0.18578	ug/m^3	R_354	417337.81	3748782.27	66.03	0.00	66.03	
PERIOD		0.19673	ug/m^3	R_355	417337.81	3748807.27	66.19	0.00	66.19	
PERIOD		0.20700	ug/m^3	R_356	417337.81	3748832.27	66.36	0.00	66.36	
PERIOD		0.21668	ug/m^3	R_357	417337.81	3748857.27	66.53	0.00	66.53	
PERIOD		0.22596	ug/m^3	R_358	417337.81	3748882.27	66.77	0.00	66.77	
PERIOD		0.23498	ug/m^3	R_359	417337.81	3748907.27	67.02	0.00	67.02	
PERIOD		0.24391	ug/m^3	R_360	417337.81	3748932.27	67.24	0.00	67.24	
PERIOD		0.25302	ug/m^3	R_361	417337.81	3748957.27	67.48	0.00	67.48	
PERIOD		0.26256	ug/m^3	R_362	417337.81	3748982.27	67.76	0.00	67.76	
PERIOD		0.27278	ug/m^3	R_363	417337.81	3749007.27	67.81	0.00	67.81	
PERIOD		0.17479	ug/m^3	R_364	417362.81	3748732.27	66.04	0.00	66.04	
PERIOD		0.18857	ug/m^3	R_365	417362.81	3748757.27	66.18	0.00	66.18	
PERIOD		0.20162	ug/m^3	R_366	417362.81	3748782.27	66.35	0.00	66.35	
PERIOD		0.21381	ug/m^3	R_367	417362.81	3748807.27	66.54	0.00	66.54	
PERIOD		0.22515	ug/m^3	R_368	417362.81	3748832.27	66.74	0.00	66.74	
PERIOD		0.23575	ug/m^3	R_369	417362.81	3748857.27	66.94	0.00	66.94	
PERIOD		0.24583	ug/m^3	R_370	417362.81	3748882.27	67.21	0.00	67.21	
PERIOD		0.25554	ug/m^3	R_371	417362.81	3748907.27	67.46	0.00	67.46	

Sensitive Receptor Summary

Troy High School Improvements Project
Construction HRA

Concentration - Source Group: OFFSITE

Averaging Period	Rank	Peak	Units	Receptor ID	X (m)	Y (m)	ZELEV (m)	ZFLAG (m)	ZHILL (m)	Peak Date, Start Hour
PERIOD		0.26509	ug/m^3	R_372	417362.81	3748932.27	67.65	0.00	67.65	
PERIOD		0.27474	ug/m^3	R_373	417362.81	3748957.27	67.90	0.00	67.90	
PERIOD		0.28476	ug/m^3	R_374	417362.81	3748982.27	68.23	0.00	68.23	
PERIOD		0.29547	ug/m^3	R_375	417362.81	3749007.27	68.05	0.00	68.05	
PERIOD		0.18967	ug/m^3	R_376	417387.81	3748732.27	66.13	0.00	66.13	
PERIOD		0.20537	ug/m^3	R_377	417387.81	3748757.27	66.30	0.00	66.30	
PERIOD		0.22012	ug/m^3	R_378	417387.81	3748782.27	66.46	0.00	66.46	
PERIOD		0.23377	ug/m^3	R_379	417387.81	3748807.27	66.66	0.00	66.66	
PERIOD		0.24635	ug/m^3	R_380	417387.81	3748832.27	66.89	0.00	66.89	
PERIOD		0.25802	ug/m^3	R_381	417387.81	3748857.27	67.13	0.00	67.13	
PERIOD		0.26901	ug/m^3	R_382	417387.81	3748882.27	67.42	0.00	67.42	
PERIOD		0.27950	ug/m^3	R_383	417387.81	3748907.27	67.66	0.00	67.66	
PERIOD		0.28973	ug/m^3	R_384	417387.81	3748932.27	67.86	0.00	67.86	
PERIOD		0.29994	ug/m^3	R_385	417387.81	3748957.27	68.16	0.00	68.16	
PERIOD		0.31045	ug/m^3	R_386	417387.81	3748982.27	68.52	0.00	68.52	
PERIOD		0.20710	ug/m^3	R_387	417412.81	3748732.27	66.06	0.00	66.06	
PERIOD		0.22517	ug/m^3	R_388	417412.81	3748757.27	66.21	0.00	66.21	
PERIOD		0.24201	ug/m^3	R_389	417412.81	3748782.27	66.40	0.00	66.40	
PERIOD		0.25743	ug/m^3	R_390	417412.81	3748807.27	66.62	0.00	66.62	
PERIOD		0.27149	ug/m^3	R_391	417412.81	3748832.27	66.86	0.00	66.86	

Sensitive Receptor Summary

Troy High School Improvements Project
Construction HRA

Concentration - Source Group: OFFSITE

Averaging Period	Rank	Peak	Units	Receptor ID	X (m)	Y (m)	ZELEV (m)	ZFLAG (m)	ZHILL (m)	Peak Date, Start Hour
PERIOD		0.28442	ug/m^3	R_392	417412.81	3748857.27	67.13	0.00	67.13	
PERIOD		0.29646	ug/m^3	R_393	417412.81	3748882.27	67.40	0.00	67.40	
PERIOD		0.30785	ug/m^3	R_394	417412.81	3748907.27	67.65	0.00	67.65	
PERIOD		0.31886	ug/m^3	R_395	417412.81	3748932.27	67.94	0.00	67.94	
PERIOD		0.32970	ug/m^3	R_396	417412.81	3748957.27	68.33	0.00	68.33	
PERIOD		0.34071	ug/m^3	R_397	417412.81	3748982.27	68.75	0.00	68.75	
PERIOD		0.22806	ug/m^3	R_398	417437.81	3748732.27	66.29	0.00	66.29	
PERIOD		0.24916	ug/m^3	R_399	417437.81	3748757.27	66.47	0.00	66.47	
PERIOD		0.26861	ug/m^3	R_400	417437.81	3748782.27	66.67	0.00	66.67	
PERIOD		0.28618	ug/m^3	R_401	417437.81	3748807.27	66.88	0.00	66.88	
PERIOD		0.30203	ug/m^3	R_402	417437.81	3748832.27	67.11	0.00	67.11	
PERIOD		0.31643	ug/m^3	R_403	417437.81	3748857.27	67.35	0.00	67.35	
PERIOD		0.32972	ug/m^3	R_404	417437.81	3748882.27	67.63	0.00	67.63	
PERIOD		0.34212	ug/m^3	R_405	417437.81	3748907.27	67.87	0.00	67.87	
PERIOD		0.35390	ug/m^3	R_406	417437.81	3748932.27	68.11	0.00	68.11	
PERIOD		0.36538	ug/m^3	R_407	417437.81	3748957.27	68.48	0.00	68.48	
PERIOD		0.37690	ug/m^3	R_408	417437.81	3748982.27	68.93	0.00	68.93	
PERIOD		0.25358	ug/m^3	R_409	417462.81	3748732.27	66.64	0.00	66.64	
PERIOD		0.27868	ug/m^3	R_410	417462.81	3748757.27	67.00	0.00	67.00	
PERIOD		0.30141	ug/m^3	R_411	417462.81	3748782.27	67.16	0.00	67.16	

Sensitive Receptor Summary

Troy High School Improvements Project
Construction HRA

Concentration - Source Group: OFFSITE

Averaging Period	Rank	Peak	Units	Receptor ID	X (m)	Y (m)	ZELEV (m)	ZFLAG (m)	ZHILL (m)	Peak Date, Start Hour
PERIOD		0.32163	ug/m^3	R_412	417462.81	3748807.27	67.28	0.00	67.28	
PERIOD		0.33964	ug/m^3	R_413	417462.81	3748832.27	67.42	0.00	67.42	
PERIOD		0.35582	ug/m^3	R_414	417462.81	3748857.27	67.59	0.00	67.59	
PERIOD		0.37056	ug/m^3	R_415	417462.81	3748882.27	67.86	0.00	67.86	
PERIOD		0.38403	ug/m^3	R_416	417462.81	3748907.27	68.10	0.00	68.10	
PERIOD		0.39667	ug/m^3	R_417	417462.81	3748932.27	68.29	0.00	68.29	
PERIOD		0.40892	ug/m^3	R_418	417462.81	3748957.27	68.61	0.00	68.61	
PERIOD		0.42092	ug/m^3	R_419	417462.81	3748982.27	69.09	0.00	69.09	
PERIOD		0.28511	ug/m^3	R_420	417487.81	3748732.27	66.84	0.00	66.84	
PERIOD		0.31531	ug/m^3	R_421	417487.81	3748757.27	67.15	0.00	67.15	
PERIOD		0.34220	ug/m^3	R_422	417487.81	3748782.27	67.16	0.00	67.16	
PERIOD		0.36580	ug/m^3	R_423	417487.81	3748807.27	67.21	0.00	67.21	
PERIOD		0.38657	ug/m^3	R_424	417487.81	3748832.27	67.33	0.00	67.33	
PERIOD		0.40494	ug/m^3	R_425	417487.81	3748857.27	67.45	0.00	67.45	
PERIOD		0.42146	ug/m^3	R_426	417487.81	3748882.27	67.73	0.00	67.73	
PERIOD		0.43636	ug/m^3	R_427	417487.81	3748907.27	68.06	0.00	68.06	
PERIOD		0.45014	ug/m^3	R_428	417487.81	3748932.27	68.34	0.00	68.34	
PERIOD		0.46315	ug/m^3	R_429	417487.81	3748957.27	68.73	0.00	68.73	
PERIOD		0.47558	ug/m^3	R_430	417487.81	3748982.27	69.27	0.00	69.27	
PERIOD		0.32497	ug/m^3	R_431	417512.81	3748732.27	66.91	0.00	66.91	

Sensitive Receptor Summary

Troy High School Improvements Project
Construction HRA

Concentration - Source Group: OFFSITE

Averaging Period	Rank	Peak	Units	Receptor ID	X (m)	Y (m)	ZELEV (m)	ZFLAG (m)	ZHILL (m)	Peak Date, Start Hour
PERIOD		0.36199	ug/m^3	R_432	417512.81	3748757.27	67.06	0.00	67.06	
PERIOD		0.39443	ug/m^3	R_433	417512.81	3748782.27	67.04	0.00	67.04	
PERIOD		0.42263	ug/m^3	R_434	417512.81	3748807.27	67.23	0.00	67.23	
PERIOD		0.44710	ug/m^3	R_435	417512.81	3748832.27	67.48	0.00	67.48	
PERIOD		0.46814	ug/m^3	R_436	417512.81	3748857.27	67.53	0.00	67.53	
PERIOD		0.48682	ug/m^3	R_437	417512.81	3748882.27	67.85	0.00	67.85	
PERIOD		0.50320	ug/m^3	R_438	417512.81	3748907.27	68.32	0.00	68.32	
PERIOD		0.51826	ug/m^3	R_439	417512.81	3748932.27	68.56	0.00	68.56	
PERIOD		0.53238	ug/m^3	R_440	417512.81	3748957.27	68.88	0.00	68.88	
PERIOD		0.54525	ug/m^3	R_441	417512.81	3748982.27	69.42	0.00	69.42	
PERIOD		0.37690	ug/m^3	R_442	417537.81	3748732.27	67.00	0.00	67.00	
PERIOD		0.42341	ug/m^3	R_443	417537.81	3748757.27	67.01	0.00	67.01	
PERIOD		0.46345	ug/m^3	R_444	417537.81	3748782.27	67.02	0.00	67.02	
PERIOD		0.49797	ug/m^3	R_445	417537.81	3748807.27	67.38	0.00	67.38	
PERIOD		0.52728	ug/m^3	R_446	417537.81	3748832.27	67.75	0.00	67.75	
PERIOD		0.55164	ug/m^3	R_447	417537.81	3748857.27	67.74	0.00	67.74	
PERIOD		0.57283	ug/m^3	R_448	417537.81	3748882.27	68.14	0.00	68.14	
PERIOD		0.59051	ug/m^3	R_449	417537.81	3748907.27	68.66	0.00	68.66	
PERIOD		0.60759	ug/m^3	R_450	417537.81	3748932.27	68.80	0.00	68.80	
PERIOD		0.62342	ug/m^3	R_451	417537.81	3748957.27	69.02	0.00	69.02	

Sensitive Receptor Summary

Troy High School Improvements Project
Construction HRA

Concentration - Source Group: OFFSITE

Averaging Period	Rank	Peak	Units	Receptor ID	X (m)	Y (m)	ZELEV (m)	ZFLAG (m)	ZHILL (m)	Peak Date, Start Hour
PERIOD		0.63689	ug/m^3	R_452	417537.81	3748982.27	69.52	0.00	69.52	
PERIOD		0.44641	ug/m^3	R_453	417562.81	3748732.27	66.79	0.00	66.79	
PERIOD		0.50672	ug/m^3	R_454	417562.81	3748757.27	66.80	0.00	66.80	
PERIOD		0.55779	ug/m^3	R_455	417562.81	3748782.27	66.93	0.00	66.93	
PERIOD		0.60108	ug/m^3	R_456	417562.81	3748807.27	67.40	0.00	67.40	
PERIOD		0.63683	ug/m^3	R_457	417562.81	3748832.27	67.83	0.00	67.83	
PERIOD		0.66575	ug/m^3	R_458	417562.81	3748857.27	67.84	0.00	67.84	
PERIOD		0.69041	ug/m^3	R_459	417562.81	3748882.27	68.27	0.00	68.27	
PERIOD		0.71017	ug/m^3	R_460	417562.81	3748907.27	68.80	0.00	68.80	
PERIOD		0.72997	ug/m^3	R_461	417562.81	3748932.27	68.93	0.00	68.93	
PERIOD		0.74771	ug/m^3	R_462	417562.81	3748957.27	69.13	0.00	69.13	
PERIOD		0.76169	ug/m^3	R_463	417562.81	3748982.27	69.61	0.00	69.61	
PERIOD		0.54436	ug/m^3	R_464	417587.81	3748732.27	66.66	0.00	66.66	
PERIOD		0.62606	ug/m^3	R_465	417587.81	3748757.27	66.76	0.00	66.76	
PERIOD		0.69375	ug/m^3	R_466	417587.81	3748782.27	66.99	0.00	66.99	
PERIOD		0.74954	ug/m^3	R_467	417587.81	3748807.27	67.48	0.00	67.48	
PERIOD		0.79406	ug/m^3	R_468	417587.81	3748832.27	67.89	0.00	67.89	
PERIOD		0.82993	ug/m^3	R_469	417587.81	3748857.27	67.91	0.00	67.91	
PERIOD		0.85987	ug/m^3	R_470	417587.81	3748882.27	68.33	0.00	68.33	
PERIOD		0.88221	ug/m^3	R_471	417587.81	3748907.27	68.90	0.00	68.90	

Sensitive Receptor Summary

Troy High School Improvements Project
Construction HRA

Concentration - Source Group: OFFSITE

Averaging Period	Rank	Peak	Units	Receptor ID	X (m)	Y (m)	ZELEV (m)	ZFLAG (m)	ZHILL (m)	Peak Date, Start Hour
PERIOD		0.90536	ug/m^3	R_472	417587.81	3748932.27	69.04	0.00	69.04	
PERIOD		0.92548	ug/m^3	R_473	417587.81	3748957.27	69.24	0.00	69.24	
PERIOD		0.93968	ug/m^3	R_474	417587.81	3748982.27	69.71	0.00	69.71	
PERIOD		0.69286	ug/m^3	R_475	417612.81	3748732.27	66.88	0.00	66.88	
PERIOD		0.81005	ug/m^3	R_476	417612.81	3748757.27	67.10	0.00	67.10	
PERIOD		0.90442	ug/m^3	R_477	417612.81	3748782.27	67.42	0.00	67.42	
PERIOD		0.97822	ug/m^3	R_478	417612.81	3748807.27	67.83	0.00	67.83	
PERIOD		1.03527	ug/m^3	R_479	417612.81	3748832.27	68.07	0.00	68.07	
PERIOD		1.08254	ug/m^3	R_480	417612.81	3748857.27	67.99	0.00	67.99	
PERIOD		1.12064	ug/m^3	R_481	417612.81	3748882.27	68.35	0.00	68.35	
PERIOD		1.14571	ug/m^3	R_482	417612.81	3748907.27	68.95	0.00	68.95	
PERIOD		1.17356	ug/m^3	R_483	417612.81	3748932.27	69.11	0.00	69.11	
PERIOD		1.19593	ug/m^3	R_484	417612.81	3748957.27	69.35	0.00	69.35	
PERIOD		1.20854	ug/m^3	R_485	417612.81	3748982.27	69.84	0.00	69.84	
PERIOD		0.93316	ug/m^3	R_486	417637.81	3748732.27	66.98	0.00	66.98	
PERIOD		1.11429	ug/m^3	R_487	417637.81	3748757.27	67.25	0.00	67.25	
PERIOD		1.25462	ug/m^3	R_488	417637.81	3748782.27	67.68	0.00	67.68	
PERIOD		1.35892	ug/m^3	R_489	417637.81	3748807.27	68.05	0.00	68.05	
PERIOD		1.44060	ug/m^3	R_490	417637.81	3748832.27	68.16	0.00	68.16	
PERIOD		1.50621	ug/m^3	R_491	417637.81	3748857.27	68.02	0.00	68.02	

Sensitive Receptor Summary

Troy High School Improvements Project
Construction HRA

Concentration - Source Group: OFFSITE

Averaging Period	Rank	Peak	Units	Receptor ID	X (m)	Y (m)	ZELEV (m)	ZFLAG (m)	ZHILL (m)	Peak Date, Start Hour
PERIOD		1.55681	ug/m^3	R_492	417637.81	3748882.27	68.33	0.00	68.33	
PERIOD		1.58922	ug/m^3	R_493	417637.81	3748907.27	68.87	0.00	68.87	
PERIOD		1.62111	ug/m^3	R_494	417637.81	3748932.27	69.10	0.00	69.10	
PERIOD		1.64568	ug/m^3	R_495	417637.81	3748957.27	69.37	0.00	69.37	
PERIOD		1.65468	ug/m^3	R_496	417637.81	3748982.27	69.85	0.00	69.85	
PERIOD		1.36281	ug/m^3	R_497	417662.81	3748732.27	66.93	0.00	66.93	
PERIOD		1.67403	ug/m^3	R_498	417662.81	3748757.27	67.18	0.00	67.18	
PERIOD		1.91668	ug/m^3	R_499	417662.81	3748782.27	67.65	0.00	67.65	
PERIOD		2.09089	ug/m^3	R_500	417662.81	3748807.27	68.00	0.00	68.00	
PERIOD		2.21320	ug/m^3	R_501	417662.81	3748832.27	68.13	0.00	68.13	
PERIOD		2.30166	ug/m^3	R_502	417662.81	3748857.27	68.12	0.00	68.12	
PERIOD		2.36910	ug/m^3	R_503	417662.81	3748882.27	68.37	0.00	68.37	
PERIOD		2.41699	ug/m^3	R_504	417662.81	3748907.27	68.77	0.00	68.77	
PERIOD		2.45274	ug/m^3	R_505	417662.81	3748932.27	69.06	0.00	69.06	
PERIOD		2.47622	ug/m^3	R_506	417662.81	3748957.27	69.37	0.00	69.37	
PERIOD		2.48134	ug/m^3	R_507	417662.81	3748982.27	69.77	0.00	69.77	
PERIOD		2.27857	ug/m^3	R_508	417687.81	3748732.27	67.11	0.00	67.11	
PERIOD		2.97824	ug/m^3	R_509	417687.81	3748757.27	67.36	0.00	67.36	
PERIOD		3.45811	ug/m^3	R_510	417687.81	3748782.27	67.79	0.00	67.79	
PERIOD		3.74187	ug/m^3	R_511	417687.81	3748807.27	68.10	0.00	68.10	

Sensitive Receptor Summary

Troy High School Improvements Project
Construction HRA

Concentration - Source Group: OFFSITE

Averaging Period	Rank	Peak	Units	Receptor ID	X (m)	Y (m)	ZELEV (m)	ZFLAG (m)	ZHILL (m)	Peak Date, Start Hour
PERIOD		3.90952	ug/m^3	R_512	417687.81	3748832.27	68.27	0.00	68.27	
PERIOD		4.03090	ug/m^3	R_513	417687.81	3748857.27	68.37	0.00	68.37	
PERIOD		4.10938	ug/m^3	R_514	417687.81	3748882.27	68.60	0.00	68.60	
PERIOD		4.17505	ug/m^3	R_515	417687.81	3748907.27	68.89	0.00	68.89	
PERIOD		4.20736	ug/m^3	R_516	417687.81	3748932.27	69.18	0.00	69.18	
PERIOD		4.21891	ug/m^3	R_517	417687.81	3748957.27	69.53	0.00	69.53	
PERIOD		4.19804	ug/m^3	R_518	417687.81	3748982.27	69.90	0.00	69.90	
PERIOD		0.47540	ug/m^3	R_519	417131.09	3749407.04	66.01	0.00	66.01	
PERIOD		0.59431	ug/m^3	R_520	417156.09	3749407.04	67.10	0.00	67.10	
PERIOD		0.78293	ug/m^3	R_521	417181.09	3749407.04	68.44	0.00	68.44	
PERIOD		0.64974	ug/m^3	R_522	417181.09	3749432.04	67.45	0.00	67.45	
PERIOD		1.11012	ug/m^3	R_523	417206.09	3749407.04	68.95	0.00	68.95	
PERIOD		0.90088	ug/m^3	R_524	417206.09	3749432.04	68.78	0.00	68.78	
PERIOD		0.72394	ug/m^3	R_525	417206.09	3749457.04	68.11	0.00	68.11	
PERIOD		1.88682	ug/m^3	R_526	417231.09	3749407.04	69.33	0.00	69.33	
PERIOD		1.37423	ug/m^3	R_527	417231.09	3749432.04	69.61	0.00	69.61	
PERIOD		1.01117	ug/m^3	R_528	417231.09	3749457.04	69.48	0.00	69.48	
PERIOD		0.76982	ug/m^3	R_529	417231.09	3749482.04	68.76	0.00	68.76	
PERIOD		3.36460	ug/m^3	R_530	417256.09	3749407.04	69.77	0.00	69.77	
PERIOD		2.05236	ug/m^3	R_531	417256.09	3749432.04	69.83	0.00	69.83	

Sensitive Receptor Summary

Troy High School Improvements Project
Construction HRA

Concentration - Source Group: OFFSITE

Averaging Period	Rank	Peak	Units	Receptor ID	X (m)	Y (m)	ZELEV (m)	ZFLAG (m)	ZHILL (m)	Peak Date, Start Hour
PERIOD		1.38132	ug/m^3	R_532	417256.09	3749457.04	69.95	0.00	69.95	
PERIOD		0.99915	ug/m^3	R_533	417256.09	3749482.04	69.92	0.00	69.92	
PERIOD		0.76033	ug/m^3	R_534	417256.09	3749507.04	69.33	0.00	69.33	
PERIOD		4.79301	ug/m^3	R_535	417281.09	3749407.04	70.05	0.00	70.05	
PERIOD		2.76183	ug/m^3	R_536	417281.09	3749432.04	70.10	0.00	70.10	
PERIOD		1.78302	ug/m^3	R_537	417281.09	3749457.04	70.06	0.00	70.06	
PERIOD		1.24903	ug/m^3	R_538	417281.09	3749482.04	70.10	0.00	70.10	
PERIOD		0.92744	ug/m^3	R_539	417281.09	3749507.04	70.09	0.00	70.09	
PERIOD		0.71909	ug/m^3	R_540	417281.09	3749532.04	68.62	0.00	68.62	
PERIOD		5.61429	ug/m^3	R_541	417306.09	3749407.04	69.90	0.00	69.90	
PERIOD		3.30089	ug/m^3	R_542	417306.09	3749432.04	70.08	0.00	70.08	
PERIOD		2.13421	ug/m^3	R_543	417306.09	3749457.04	70.20	0.00	70.20	
PERIOD		1.48520	ug/m^3	R_544	417306.09	3749482.04	70.28	0.00	70.28	
PERIOD		1.09268	ug/m^3	R_545	417306.09	3749507.04	70.30	0.00	70.30	
PERIOD		0.83944	ug/m^3	R_546	417306.09	3749532.04	69.99	0.00	69.99	
PERIOD		6.05184	ug/m^3	R_547	417331.09	3749407.04	69.87	0.00	69.87	
PERIOD		3.65297	ug/m^3	R_548	417331.09	3749432.04	70.13	0.00	70.13	
PERIOD		2.40112	ug/m^3	R_549	417331.09	3749457.04	70.45	0.00	70.45	
PERIOD		1.68002	ug/m^3	R_550	417331.09	3749482.04	70.62	0.00	70.62	
PERIOD		1.24011	ug/m^3	R_551	417331.09	3749507.04	70.51	0.00	70.51	

Sensitive Receptor Summary

Troy High School Improvements Project
Construction HRA

Concentration - Source Group: OFFSITE

Averaging Period	Rank	Peak	Units	Receptor ID	X (m)	Y (m)	ZELEV (m)	ZFLAG (m)	ZHILL (m)	Peak Date, Start Hour
PERIOD		0.94998	ug/m^3	R_552	417331.09	3749532.04	70.59	0.00	70.59	
PERIOD		0.75335	ug/m^3	R_553	417331.09	3749557.04	68.73	0.00	68.73	
PERIOD		6.29343	ug/m^3	R_554	417356.09	3749407.04	70.33	0.00	70.33	
PERIOD		3.88227	ug/m^3	R_555	417356.09	3749432.04	70.55	0.00	70.55	
PERIOD		2.58463	ug/m^3	R_556	417356.09	3749457.04	70.78	0.00	70.78	
PERIOD		1.83114	ug/m^3	R_557	417356.09	3749482.04	70.85	0.00	70.85	
PERIOD		1.36228	ug/m^3	R_558	417356.09	3749507.04	70.71	0.00	70.71	
PERIOD		1.04816	ug/m^3	R_559	417356.09	3749532.04	70.76	0.00	70.76	
PERIOD		0.83187	ug/m^3	R_560	417356.09	3749557.04	70.44	0.00	70.44	
PERIOD		6.43030	ug/m^3	R_561	417381.09	3749407.04	70.45	0.00	70.45	
PERIOD		4.02073	ug/m^3	R_562	417381.09	3749432.04	70.68	0.00	70.68	
PERIOD		2.71690	ug/m^3	R_563	417381.09	3749457.04	70.84	0.00	70.84	
PERIOD		1.94756	ug/m^3	R_564	417381.09	3749482.04	70.89	0.00	70.89	
PERIOD		1.45969	ug/m^3	R_565	417381.09	3749507.04	70.85	0.00	70.85	
PERIOD		1.13024	ug/m^3	R_566	417381.09	3749532.04	70.90	0.00	70.90	
PERIOD		0.89721	ug/m^3	R_567	417381.09	3749557.04	71.08	0.00	71.08	
PERIOD		0.73240	ug/m^3	R_568	417381.09	3749582.04	70.56	0.00	70.56	
PERIOD		0.60731	ug/m^3	R_569	417381.09	3749607.04	69.54	0.00	69.54	
PERIOD		6.51633	ug/m^3	R_570	417406.09	3749407.04	70.26	0.00	70.26	
PERIOD		4.10719	ug/m^3	R_571	417406.09	3749432.04	70.51	0.00	70.51	

Sensitive Receptor Summary

Troy High School Improvements Project
Construction HRA

Concentration - Source Group: OFFSITE

Averaging Period	Rank	Peak	Units	Receptor ID	X (m)	Y (m)	ZELEV (m)	ZFLAG (m)	ZHILL (m)	Peak Date, Start Hour
PERIOD		2.80722	ug/m^3	R_572	417406.09	3749457.04	70.70	0.00	70.70	
PERIOD		2.03260	ug/m^3	R_573	417406.09	3749482.04	70.89	0.00	70.89	
PERIOD		1.53239	ug/m^3	R_574	417406.09	3749507.04	71.12	0.00	71.12	
PERIOD		1.19220	ug/m^3	R_575	417406.09	3749532.04	71.31	0.00	71.31	
PERIOD		0.95495	ug/m^3	R_576	417406.09	3749557.04	71.23	0.00	71.23	
PERIOD		0.77835	ug/m^3	R_577	417406.09	3749582.04	71.35	0.00	71.35	
PERIOD		0.64692	ug/m^3	R_578	417406.09	3749607.04	71.30	0.00	71.30	
PERIOD		0.54709	ug/m^3	R_579	417406.09	3749632.04	70.93	0.00	70.93	
PERIOD		0.46784	ug/m^3	R_580	417406.09	3749657.04	70.40	0.00	70.40	
PERIOD		6.57540	ug/m^3	R_581	417431.09	3749407.04	70.54	0.00	70.54	
PERIOD		4.16852	ug/m^3	R_582	417431.09	3749432.04	70.75	0.00	70.75	
PERIOD		2.86982	ug/m^3	R_583	417431.09	3749457.04	70.88	0.00	70.88	
PERIOD		2.09346	ug/m^3	R_584	417431.09	3749482.04	71.01	0.00	71.01	
PERIOD		1.58948	ug/m^3	R_585	417431.09	3749507.04	71.26	0.00	71.26	
PERIOD		1.24050	ug/m^3	R_586	417431.09	3749532.04	71.63	0.00	71.63	
PERIOD		0.99945	ug/m^3	R_587	417431.09	3749557.04	71.57	0.00	71.57	
PERIOD		0.82100	ug/m^3	R_588	417431.09	3749582.04	71.50	0.00	71.50	
PERIOD		0.68296	ug/m^3	R_589	417431.09	3749607.04	71.66	0.00	71.66	
PERIOD		0.57416	ug/m^3	R_590	417431.09	3749632.04	72.00	0.00	72.00	
PERIOD		0.48926	ug/m^3	R_591	417431.09	3749657.04	72.23	0.00	72.23	

Sensitive Receptor Summary

Troy High School Improvements Project
Construction HRA

Concentration - Source Group: OFFSITE

Averaging Period	Rank	Peak	Units	Receptor ID	X (m)	Y (m)	ZELEV (m)	ZFLAG (m)	ZHILL (m)	Peak Date, Start Hour
PERIOD		0.42264	ug/m^3	R_592	417431.09	3749682.04	72.26	0.00	72.26	
PERIOD		6.61019	ug/m^3	R_593	417456.09	3749407.04	70.89	0.00	70.89	
PERIOD		4.21324	ug/m^3	R_594	417456.09	3749432.04	71.08	0.00	71.08	
PERIOD		2.91448	ug/m^3	R_595	417456.09	3749457.04	71.11	0.00	71.11	
PERIOD		2.13832	ug/m^3	R_596	417456.09	3749482.04	71.16	0.00	71.16	
PERIOD		1.63365	ug/m^3	R_597	417456.09	3749507.04	71.37	0.00	71.37	
PERIOD		1.28023	ug/m^3	R_598	417456.09	3749532.04	71.83	0.00	71.83	
PERIOD		1.03682	ug/m^3	R_599	417456.09	3749557.04	71.78	0.00	71.78	
PERIOD		0.85556	ug/m^3	R_600	417456.09	3749582.04	71.74	0.00	71.74	
PERIOD		0.71535	ug/m^3	R_601	417456.09	3749607.04	71.84	0.00	71.84	
PERIOD		0.60542	ug/m^3	R_602	417456.09	3749632.04	71.99	0.00	71.99	
PERIOD		0.51937	ug/m^3	R_603	417456.09	3749657.04	71.98	0.00	71.98	
PERIOD		0.44608	ug/m^3	R_604	417456.09	3749682.04	72.48	0.00	72.48	
PERIOD		6.64023	ug/m^3	R_605	417481.09	3749407.04	70.78	0.00	70.78	
PERIOD		4.24344	ug/m^3	R_606	417481.09	3749432.04	70.97	0.00	70.97	
PERIOD		2.94781	ug/m^3	R_607	417481.09	3749457.04	71.07	0.00	71.07	
PERIOD		2.17282	ug/m^3	R_608	417481.09	3749482.04	71.21	0.00	71.21	
PERIOD		1.66770	ug/m^3	R_609	417481.09	3749507.04	71.50	0.00	71.50	
PERIOD		1.31332	ug/m^3	R_610	417481.09	3749532.04	71.96	0.00	71.96	
PERIOD		1.07037	ug/m^3	R_611	417481.09	3749557.04	71.81	0.00	71.81	

Sensitive Receptor Summary

Troy High School Improvements Project
Construction HRA

Concentration - Source Group: OFFSITE

Averaging Period	Rank	Peak	Units	Receptor ID	X (m)	Y (m)	ZELEV (m)	ZFLAG (m)	ZHILL (m)	Peak Date, Start Hour
PERIOD		0.88531	ug/m^3	R_612	417481.09	3749582.04	71.89	0.00	71.89	
PERIOD		0.74083	ug/m^3	R_613	417481.09	3749607.04	72.18	0.00	72.18	
PERIOD		0.62835	ug/m^3	R_614	417481.09	3749632.04	72.40	0.00	72.40	
PERIOD		0.54248	ug/m^3	R_615	417481.09	3749657.04	72.20	0.00	72.20	
PERIOD		6.65728	ug/m^3	R_616	417506.09	3749407.04	70.86	0.00	70.86	
PERIOD		4.26847	ug/m^3	R_617	417506.09	3749432.04	71.07	0.00	71.07	
PERIOD		2.97364	ug/m^3	R_618	417506.09	3749457.04	71.20	0.00	71.20	
PERIOD		2.19934	ug/m^3	R_619	417506.09	3749482.04	71.35	0.00	71.35	
PERIOD		1.69484	ug/m^3	R_620	417506.09	3749507.04	71.62	0.00	71.62	
PERIOD		1.34076	ug/m^3	R_621	417506.09	3749532.04	72.07	0.00	72.07	
PERIOD		1.09778	ug/m^3	R_622	417506.09	3749557.04	71.88	0.00	71.88	
PERIOD		0.91136	ug/m^3	R_623	417506.09	3749582.04	71.97	0.00	71.97	
PERIOD		0.76453	ug/m^3	R_624	417506.09	3749607.04	72.32	0.00	72.32	
PERIOD		0.64996	ug/m^3	R_625	417506.09	3749632.04	72.58	0.00	72.58	
PERIOD		0.56311	ug/m^3	R_626	417506.09	3749657.04	72.35	0.00	72.35	
PERIOD		6.67666	ug/m^3	R_627	417531.09	3749407.04	71.33	0.00	71.33	
PERIOD		4.28693	ug/m^3	R_628	417531.09	3749432.04	71.50	0.00	71.50	
PERIOD		2.99415	ug/m^3	R_629	417531.09	3749457.04	71.53	0.00	71.53	
PERIOD		2.22055	ug/m^3	R_630	417531.09	3749482.04	71.56	0.00	71.56	
PERIOD		1.71755	ug/m^3	R_631	417531.09	3749507.04	71.73	0.00	71.73	

Sensitive Receptor Summary

Troy High School Improvements Project
Construction HRA

Concentration - Source Group: OFFSITE

Averaging Period	Rank	Peak	Units	Receptor ID	X (m)	Y (m)	ZELEV (m)	ZFLAG (m)	ZHILL (m)	Peak Date, Start Hour
PERIOD		1.36456	ug/m^3	R_632	417531.09	3749532.04	72.16	0.00	72.16	
PERIOD		1.12102	ug/m^3	R_633	417531.09	3749557.04	71.96	0.00	71.96	
PERIOD		0.93368	ug/m^3	R_634	417531.09	3749582.04	72.05	0.00	72.05	
PERIOD		0.78533	ug/m^3	R_635	417531.09	3749607.04	72.42	0.00	72.42	
PERIOD		0.66906	ug/m^3	R_636	417531.09	3749632.04	72.70	0.00	72.70	
PERIOD		0.58125	ug/m^3	R_637	417531.09	3749657.04	72.48	0.00	72.48	
PERIOD		6.69709	ug/m^3	R_638	417556.09	3749407.04	71.41	0.00	71.41	
PERIOD		4.30507	ug/m^3	R_639	417556.09	3749432.04	71.56	0.00	71.56	
PERIOD		3.01312	ug/m^3	R_640	417556.09	3749457.04	71.59	0.00	71.59	
PERIOD		2.24033	ug/m^3	R_641	417556.09	3749482.04	71.63	0.00	71.63	
PERIOD		1.73854	ug/m^3	R_642	417556.09	3749507.04	71.79	0.00	71.79	
PERIOD		1.38723	ug/m^3	R_643	417556.09	3749532.04	72.19	0.00	72.19	
PERIOD		1.14141	ug/m^3	R_644	417556.09	3749557.04	72.04	0.00	72.04	
PERIOD		0.95245	ug/m^3	R_645	417556.09	3749582.04	72.18	0.00	72.18	
PERIOD		0.80270	ug/m^3	R_646	417556.09	3749607.04	72.56	0.00	72.56	
PERIOD		0.68597	ug/m^3	R_647	417556.09	3749632.04	72.80	0.00	72.80	
PERIOD		0.59796	ug/m^3	R_648	417556.09	3749657.04	72.54	0.00	72.54	
PERIOD		6.70353	ug/m^3	R_649	417581.09	3749407.04	71.24	0.00	71.24	
PERIOD		4.32885	ug/m^3	R_650	417581.09	3749432.04	71.38	0.00	71.38	
PERIOD		3.03571	ug/m^3	R_651	417581.09	3749457.04	71.47	0.00	71.47	

Sensitive Receptor Summary

Troy High School Improvements Project
Construction HRA

Concentration - Source Group: OFFSITE

Averaging Period	Rank	Peak	Units	Receptor ID	X (m)	Y (m)	ZELEV (m)	ZFLAG (m)	ZHILL (m)	Peak Date, Start Hour
PERIOD		2.26148	ug/m^3	R_652	417581.09	3749482.04	71.63	0.00	71.63	
PERIOD		1.75865	ug/m^3	R_653	417581.09	3749507.04	71.90	0.00	71.90	
PERIOD		1.40741	ug/m^3	R_654	417581.09	3749532.04	72.26	0.00	72.26	
PERIOD		1.15980	ug/m^3	R_655	417581.09	3749557.04	72.12	0.00	72.12	
PERIOD		0.96957	ug/m^3	R_656	417581.09	3749582.04	72.27	0.00	72.27	
PERIOD		0.81887	ug/m^3	R_657	417581.09	3749607.04	72.64	0.00	72.64	
PERIOD		0.70048	ug/m^3	R_658	417581.09	3749632.04	72.94	0.00	72.94	
PERIOD		0.60973	ug/m^3	R_659	417581.09	3749657.04	72.86	0.00	72.86	
PERIOD		6.75041	ug/m^3	R_660	417606.09	3749407.04	71.71	0.00	71.71	
PERIOD		4.35105	ug/m^3	R_661	417606.09	3749432.04	71.85	0.00	71.85	
PERIOD		3.05713	ug/m^3	R_662	417606.09	3749457.04	71.85	0.00	71.85	
PERIOD		2.28422	ug/m^3	R_663	417606.09	3749482.04	71.84	0.00	71.84	
PERIOD		1.77998	ug/m^3	R_664	417606.09	3749507.04	71.98	0.00	71.98	
PERIOD		1.42562	ug/m^3	R_665	417606.09	3749532.04	72.37	0.00	72.37	
PERIOD		1.17656	ug/m^3	R_666	417606.09	3749557.04	72.21	0.00	72.21	
PERIOD		0.98514	ug/m^3	R_667	417606.09	3749582.04	72.35	0.00	72.35	
PERIOD		0.83274	ug/m^3	R_668	417606.09	3749607.04	72.74	0.00	72.74	
PERIOD		0.71270	ug/m^3	R_669	417606.09	3749632.04	73.11	0.00	73.11	
PERIOD		0.61925	ug/m^3	R_670	417606.09	3749657.04	73.23	0.00	73.23	
PERIOD		6.79152	ug/m^3	R_671	417631.09	3749407.04	72.27	0.00	72.27	

Sensitive Receptor Summary

Troy High School Improvements Project
Construction HRA

Concentration - Source Group: OFFSITE

Averaging Period	Rank	Peak	Units	Receptor ID	X (m)	Y (m)	ZELEV (m)	ZFLAG (m)	ZHILL (m)	Peak Date, Start Hour
PERIOD		4.38589	ug/m^3	R_672	417631.09	3749432.04	72.34	0.00	72.34	
PERIOD		3.08809	ug/m^3	R_673	417631.09	3749457.04	72.24	0.00	72.24	
PERIOD		2.30979	ug/m^3	R_674	417631.09	3749482.04	72.12	0.00	72.12	
PERIOD		1.80019	ug/m^3	R_675	417631.09	3749507.04	72.15	0.00	72.15	
PERIOD		1.44235	ug/m^3	R_676	417631.09	3749532.04	72.48	0.00	72.48	
PERIOD		1.19122	ug/m^3	R_677	417631.09	3749557.04	72.31	0.00	72.31	
PERIOD		0.99758	ug/m^3	R_678	417631.09	3749582.04	72.48	0.00	72.48	
PERIOD		0.84476	ug/m^3	R_679	417631.09	3749607.04	72.81	0.00	72.81	
PERIOD		0.72529	ug/m^3	R_680	417631.09	3749632.04	73.08	0.00	73.08	
PERIOD		0.63175	ug/m^3	R_681	417631.09	3749657.04	73.12	0.00	73.12	
PERIOD		6.90749	ug/m^3	R_682	417656.09	3749407.04	72.04	0.00	72.04	
PERIOD		4.46448	ug/m^3	R_683	417656.09	3749432.04	72.14	0.00	72.14	
PERIOD		3.13580	ug/m^3	R_684	417656.09	3749457.04	72.16	0.00	72.16	
PERIOD		2.33573	ug/m^3	R_685	417656.09	3749482.04	72.20	0.00	72.20	
PERIOD		1.81633	ug/m^3	R_686	417656.09	3749507.04	72.29	0.00	72.29	
PERIOD		1.45689	ug/m^3	R_687	417656.09	3749532.04	72.47	0.00	72.47	
PERIOD		1.20142	ug/m^3	R_688	417656.09	3749557.04	72.40	0.00	72.40	
PERIOD		1.00593	ug/m^3	R_689	417656.09	3749582.04	72.61	0.00	72.61	
PERIOD		0.85349	ug/m^3	R_690	417656.09	3749607.04	72.89	0.00	72.89	
PERIOD		0.73602	ug/m^3	R_691	417656.09	3749632.04	72.98	0.00	72.98	

Sensitive Receptor Summary

Troy High School Improvements Project
Construction HRA

Concentration - Source Group: OFFSITE

Averaging Period	Rank	Peak	Units	Receptor ID	X (m)	Y (m)	ZELEV (m)	ZFLAG (m)	ZHILL (m)	Peak Date, Start Hour
PERIOD		0.64438	ug/m^3	R_692	417656.09	3749657.04	72.76	0.00	72.76	
PERIOD		7.10556	ug/m^3	R_693	417681.09	3749407.04	72.24	0.00	72.24	
PERIOD		4.53678	ug/m^3	R_694	417681.09	3749432.04	72.35	0.00	72.35	
PERIOD		3.15178	ug/m^3	R_695	417681.09	3749457.04	72.41	0.00	72.41	
PERIOD		2.33637	ug/m^3	R_696	417681.09	3749482.04	72.48	0.00	72.48	
PERIOD		1.81262	ug/m^3	R_697	417681.09	3749507.04	72.61	0.00	72.61	
PERIOD		1.45160	ug/m^3	R_698	417681.09	3749532.04	72.82	0.00	72.82	
PERIOD		1.19678	ug/m^3	R_699	417681.09	3749557.04	72.85	0.00	72.85	
PERIOD		1.00443	ug/m^3	R_700	417681.09	3749582.04	72.98	0.00	72.98	
PERIOD		0.85596	ug/m^3	R_701	417681.09	3749607.04	73.13	0.00	73.13	
PERIOD		0.73944	ug/m^3	R_702	417681.09	3749632.04	73.21	0.00	73.21	
PERIOD		0.64643	ug/m^3	R_703	417681.09	3749657.04	73.17	0.00	73.17	

Sensitive Receptor Summary

Troy High School Improvements Project
Construction HRA

Concentration - Source Group: ONSITE

Averaging Period	Rank	Peak	Units	Receptor ID	X (m)	Y (m)	ZELEV (m)	ZFLAG (m)	ZHILL (m)	Peak Date, Start Hour
PERIOD		0.17217	ug/m^3	ES_001	416940.87	3749404.15	67.20	0.00	67.20	
PERIOD		0.14943	ug/m^3	ES_002	416940.87	3749429.15	67.56	0.00	67.56	
PERIOD		0.13024	ug/m^3	ES_003	416940.87	3749454.15	67.72	0.00	67.72	
PERIOD		0.11421	ug/m^3	ES_004	416940.87	3749479.15	68.01	0.00	68.01	
PERIOD		0.10071	ug/m^3	ES_005	416940.87	3749504.15	68.77	0.00	68.77	
PERIOD		0.08966	ug/m^3	ES_006	416940.87	3749529.15	69.66	0.00	69.66	
PERIOD		0.08075	ug/m^3	ES_007	416940.87	3749554.15	70.42	0.00	70.42	
PERIOD		0.07346	ug/m^3	ES_008	416940.87	3749579.15	71.18	0.00	71.18	
PERIOD		0.06690	ug/m^3	ES_009	416940.87	3749604.15	72.00	0.00	72.00	
PERIOD		0.06211	ug/m^3	ES_010	416940.87	3749629.15	72.68	0.00	119.04	
PERIOD		0.05795	ug/m^3	ES_011	416940.87	3749654.15	73.73	0.00	121.18	
PERIOD		0.05433	ug/m^3	ES_012	416940.87	3749679.15	75.06	0.00	123.02	
PERIOD		0.05127	ug/m^3	ES_013	416940.87	3749704.15	76.04	0.00	129.99	
PERIOD		0.04851	ug/m^3	ES_014	416940.87	3749729.15	77.23	0.00	139.36	
PERIOD		0.04574	ug/m^3	ES_015	416940.87	3749754.15	80.00	0.00	129.99	
PERIOD		0.18325	ug/m^3	ES_016	416965.87	3749404.15	67.67	0.00	67.67	
PERIOD		0.15820	ug/m^3	ES_017	416965.87	3749429.15	67.93	0.00	67.93	
PERIOD		0.13768	ug/m^3	ES_018	416965.87	3749454.15	67.93	0.00	67.93	
PERIOD		0.12079	ug/m^3	ES_019	416965.87	3749479.15	68.02	0.00	68.02	
PERIOD		0.10651	ug/m^3	ES_020	416965.87	3749504.15	68.68	0.00	68.68	

Sensitive Receptor Summary

Troy High School Improvements Project
Construction HRA

Concentration - Source Group: ONSITE

Averaging Period	Rank	Peak	Units	Receptor ID	X (m)	Y (m)	ZELEV (m)	ZFLAG (m)	ZHILL (m)	Peak Date, Start Hour
PERIOD		0.09486	ug/m^3	ES_021	416965.87	3749529.15	69.57	0.00	69.57	
PERIOD		0.08557	ug/m^3	ES_022	416965.87	3749554.15	70.24	0.00	70.24	
PERIOD		0.07802	ug/m^3	ES_023	416965.87	3749579.15	70.88	0.00	70.88	
PERIOD		0.07174	ug/m^3	ES_024	416965.87	3749604.15	71.63	0.00	71.63	
PERIOD		0.06622	ug/m^3	ES_025	416965.87	3749629.15	72.42	0.00	119.04	
PERIOD		0.06197	ug/m^3	ES_026	416965.87	3749654.15	72.99	0.00	121.18	
PERIOD		0.05811	ug/m^3	ES_027	416965.87	3749679.15	74.15	0.00	123.02	
PERIOD		0.05477	ug/m^3	ES_028	416965.87	3749704.15	75.17	0.00	129.99	
PERIOD		0.05172	ug/m^3	ES_029	416965.87	3749729.15	76.51	0.00	139.36	
PERIOD		0.04865	ug/m^3	ES_030	416965.87	3749754.15	79.43	0.00	129.99	
PERIOD		0.19634	ug/m^3	ES_031	416990.87	3749404.15	67.78	0.00	67.78	
PERIOD		0.16883	ug/m^3	ES_032	416990.87	3749429.15	68.01	0.00	68.01	
PERIOD		0.14657	ug/m^3	ES_033	416990.87	3749454.15	68.01	0.00	68.01	
PERIOD		0.12837	ug/m^3	ES_034	416990.87	3749479.15	68.13	0.00	68.13	
PERIOD		0.11326	ug/m^3	ES_035	416990.87	3749504.15	68.71	0.00	68.71	
PERIOD		0.10097	ug/m^3	ES_036	416990.87	3749529.15	69.56	0.00	69.56	
PERIOD		0.09133	ug/m^3	ES_037	416990.87	3749554.15	70.05	0.00	70.05	
PERIOD		0.08353	ug/m^3	ES_038	416990.87	3749579.15	70.45	0.00	70.45	
PERIOD		0.07696	ug/m^3	ES_039	416990.87	3749604.15	71.08	0.00	71.08	
PERIOD		0.07103	ug/m^3	ES_040	416990.87	3749629.15	72.17	0.00	119.04	

Sensitive Receptor Summary

Troy High School Improvements Project
Construction HRA

Concentration - Source Group: ONSITE

Averaging Period	Rank	Peak	Units	Receptor ID	X (m)	Y (m)	ZELEV (m)	ZFLAG (m)	ZHILL (m)	Peak Date, Start Hour
PERIOD		0.06644	ug/m^3	ES_041	416990.87	3749654.15	72.78	0.00	121.18	
PERIOD		0.06227	ug/m^3	ES_042	416990.87	3749679.15	73.88	0.00	123.02	
PERIOD		0.05862	ug/m^3	ES_043	416990.87	3749704.15	74.91	0.00	124.91	
PERIOD		0.05525	ug/m^3	ES_044	416990.87	3749729.15	76.37	0.00	129.99	
PERIOD		0.05187	ug/m^3	ES_045	416990.87	3749754.15	79.30	0.00	124.91	
PERIOD		0.21234	ug/m^3	ES_046	417015.87	3749404.15	67.58	0.00	67.58	
PERIOD		0.18179	ug/m^3	ES_047	417015.87	3749429.15	67.81	0.00	67.81	
PERIOD		0.15734	ug/m^3	ES_048	417015.87	3749454.15	67.87	0.00	67.87	
PERIOD		0.13760	ug/m^3	ES_049	417015.87	3749479.15	68.07	0.00	68.07	
PERIOD		0.12136	ug/m^3	ES_050	417015.87	3749504.15	68.73	0.00	68.73	
PERIOD		0.10828	ug/m^3	ES_051	417015.87	3749529.15	69.62	0.00	69.62	
PERIOD		0.09810	ug/m^3	ES_052	417015.87	3749554.15	70.08	0.00	70.08	
PERIOD		0.08987	ug/m^3	ES_053	417015.87	3749579.15	70.43	0.00	70.43	
PERIOD		0.08290	ug/m^3	ES_054	417015.87	3749604.15	71.03	0.00	71.03	
PERIOD		0.07657	ug/m^3	ES_055	417015.87	3749629.15	72.12	0.00	116.67	
PERIOD		0.07158	ug/m^3	ES_056	417015.87	3749654.15	72.75	0.00	121.18	
PERIOD		0.06699	ug/m^3	ES_057	417015.87	3749679.15	73.91	0.00	123.02	
PERIOD		0.06298	ug/m^3	ES_058	417015.87	3749704.15	74.96	0.00	124.91	
PERIOD		0.05926	ug/m^3	ES_059	417015.87	3749729.15	76.39	0.00	124.91	
PERIOD		0.05554	ug/m^3	ES_060	417015.87	3749754.15	79.19	0.00	124.91	

Sensitive Receptor Summary

Troy High School Improvements Project
Construction HRA

Concentration - Source Group: ONSITE

Averaging Period	Rank	Peak	Units	Receptor ID	X (m)	Y (m)	ZELEV (m)	ZFLAG (m)	ZHILL (m)	Peak Date, Start Hour
PERIOD		0.23123	ug/m^3	ES_061	417040.87	3749404.15	67.20	0.00	67.20	
PERIOD		0.19759	ug/m^3	ES_062	417040.87	3749429.15	67.42	0.00	67.42	
PERIOD		0.17042	ug/m^3	ES_063	417040.87	3749454.15	67.61	0.00	67.61	
PERIOD		0.14860	ug/m^3	ES_064	417040.87	3749479.15	68.02	0.00	68.02	
PERIOD		0.13098	ug/m^3	ES_065	417040.87	3749504.15	68.88	0.00	68.88	
PERIOD		0.11706	ug/m^3	ES_066	417040.87	3749529.15	69.72	0.00	69.72	
PERIOD		0.10625	ug/m^3	ES_067	417040.87	3749554.15	70.13	0.00	70.13	
PERIOD		0.09748	ug/m^3	ES_068	417040.87	3749579.15	70.42	0.00	70.42	
PERIOD		0.08999	ug/m^3	ES_069	417040.87	3749604.15	70.95	0.00	70.95	
PERIOD		0.08316	ug/m^3	ES_070	417040.87	3749629.15	71.99	0.00	116.67	
PERIOD		0.07765	ug/m^3	ES_071	417040.87	3749654.15	72.61	0.00	121.18	
PERIOD		0.07264	ug/m^3	ES_072	417040.87	3749679.15	73.57	0.00	123.02	
PERIOD		0.06810	ug/m^3	ES_073	417040.87	3749704.15	74.75	0.00	123.02	
PERIOD		0.06385	ug/m^3	ES_074	417040.87	3749729.15	76.44	0.00	124.91	
PERIOD		0.05974	ug/m^3	ES_075	417040.87	3749754.15	79.10	0.00	124.91	
PERIOD		0.25370	ug/m^3	ES_076	417065.87	3749404.15	66.95	0.00	66.95	
PERIOD		0.21574	ug/m^3	ES_077	417065.87	3749429.15	67.41	0.00	67.41	
PERIOD		0.18498	ug/m^3	ES_078	417065.87	3749454.15	67.91	0.00	67.91	
PERIOD		0.16104	ug/m^3	ES_079	417065.87	3749479.15	68.55	0.00	68.55	
PERIOD		0.14230	ug/m^3	ES_080	417065.87	3749504.15	69.31	0.00	69.31	

Sensitive Receptor Summary

Troy High School Improvements Project
Construction HRA

Concentration - Source Group: ONSITE

Averaging Period	Rank	Peak	Units	Receptor ID	X (m)	Y (m)	ZELEV (m)	ZFLAG (m)	ZHILL (m)	Peak Date, Start Hour
PERIOD		0.12763	ug/m^3	ES_081	417065.87	3749529.15	69.94	0.00	69.94	
PERIOD		0.11596	ug/m^3	ES_082	417065.87	3749554.15	70.36	0.00	70.36	
PERIOD		0.10639	ug/m^3	ES_083	417065.87	3749579.15	70.70	0.00	70.70	
PERIOD		0.09827	ug/m^3	ES_084	417065.87	3749604.15	71.14	0.00	71.14	
PERIOD		0.09106	ug/m^3	ES_085	417065.87	3749629.15	71.90	0.00	71.90	
PERIOD		0.08477	ug/m^3	ES_086	417065.87	3749654.15	72.48	0.00	119.04	
PERIOD		0.07911	ug/m^3	ES_087	417065.87	3749679.15	73.49	0.00	122.76	
PERIOD		0.07397	ug/m^3	ES_088	417065.87	3749704.15	74.71	0.00	123.02	
PERIOD		0.06920	ug/m^3	ES_089	417065.87	3749729.15	76.35	0.00	124.25	
PERIOD		0.06464	ug/m^3	ES_090	417065.87	3749754.15	78.78	0.00	124.25	
PERIOD		0.28112	ug/m^3	ES_091	417090.87	3749404.15	66.91	0.00	66.91	
PERIOD		0.23701	ug/m^3	ES_092	417090.87	3749429.15	67.69	0.00	67.69	
PERIOD		0.20272	ug/m^3	ES_093	417090.87	3749454.15	68.29	0.00	68.29	
PERIOD		0.17661	ug/m^3	ES_094	417090.87	3749479.15	68.95	0.00	68.95	
PERIOD		0.15633	ug/m^3	ES_095	417090.87	3749504.15	69.68	0.00	69.68	
PERIOD		0.14070	ug/m^3	ES_096	417090.87	3749529.15	70.05	0.00	70.05	
PERIOD		0.12796	ug/m^3	ES_097	417090.87	3749554.15	70.42	0.00	70.42	
PERIOD		0.11732	ug/m^3	ES_098	417090.87	3749579.15	70.81	0.00	70.81	
PERIOD		0.10821	ug/m^3	ES_099	417090.87	3749604.15	71.28	0.00	71.28	
PERIOD		0.10001	ug/m^3	ES_100	417090.87	3749629.15	71.97	0.00	71.97	

Sensitive Receptor Summary

Troy High School Improvements Project
Construction HRA

Concentration - Source Group: ONSITE

Averaging Period	Rank	Peak	Units	Receptor ID	X (m)	Y (m)	ZELEV (m)	ZFLAG (m)	ZHILL (m)	Peak Date, Start Hour
PERIOD		0.09286	ug/m^3	ES_101	417090.87	3749654.15	72.84	0.00	116.67	
PERIOD		0.08638	ug/m^3	ES_102	417090.87	3749679.15	73.96	0.00	119.04	
PERIOD		0.08059	ug/m^3	ES_103	417090.87	3749704.15	75.11	0.00	122.76	
PERIOD		0.07536	ug/m^3	ES_104	417090.87	3749729.15	76.36	0.00	123.02	
PERIOD		0.07050	ug/m^3	ES_105	417090.87	3749754.15	77.95	0.00	123.02	
PERIOD		0.26505	ug/m^3	ES_106	417115.87	3749429.15	67.16	0.00	67.16	
PERIOD		0.22596	ug/m^3	ES_107	417115.87	3749454.15	68.28	0.00	68.28	
PERIOD		0.19670	ug/m^3	ES_108	417115.87	3749479.15	69.05	0.00	69.05	
PERIOD		0.17411	ug/m^3	ES_109	417115.87	3749504.15	69.84	0.00	69.84	
PERIOD		0.25687	ug/m^3	ES_110	417140.87	3749454.15	67.79	0.00	67.79	
PERIOD		0.22243	ug/m^3	ES_111	417140.87	3749479.15	69.00	0.00	69.00	
PERIOD		0.19662	ug/m^3	ES_112	417140.87	3749504.15	69.97	0.00	69.97	
PERIOD		0.25687	ug/m^3	ES_113	417165.87	3749479.15	68.63	0.00	68.63	
PERIOD		0.22595	ug/m^3	ES_114	417165.87	3749504.15	69.96	0.00	69.96	
PERIOD		0.26751	ug/m^3	ES_115	417190.87	3749504.15	69.19	0.00	69.19	
PERIOD		0.06267	ug/m^3	UN_001	417754.36	3748584.70	66.88	0.00	66.88	
PERIOD		0.06799	ug/m^3	UN_002	417754.36	3748609.70	67.04	0.00	67.04	
PERIOD		0.07402	ug/m^3	UN_003	417754.36	3748634.70	67.13	0.00	67.13	
PERIOD		0.08088	ug/m^3	UN_004	417754.36	3748659.70	67.38	0.00	67.38	
PERIOD		0.08860	ug/m^3	UN_005	417754.36	3748684.70	67.64	0.00	67.64	

Sensitive Receptor Summary

Troy High School Improvements Project
Construction HRA

Concentration - Source Group: ONSITE

Averaging Period	Rank	Peak	Units	Receptor ID	X (m)	Y (m)	ZELEV (m)	ZFLAG (m)	ZHILL (m)	Peak Date, Start Hour
PERIOD		0.09749	ug/m^3	UN_006	417754.36	3748709.70	67.78	0.00	67.78	
PERIOD		0.10782	ug/m^3	UN_007	417754.36	3748734.70	67.83	0.00	67.83	
PERIOD		0.11965	ug/m^3	UN_008	417754.36	3748759.70	68.04	0.00	68.04	
PERIOD		0.13347	ug/m^3	UN_009	417754.36	3748784.70	68.23	0.00	68.23	
PERIOD		0.14966	ug/m^3	UN_010	417754.36	3748809.70	68.43	0.00	68.43	
PERIOD		0.16870	ug/m^3	UN_011	417754.36	3748834.70	68.59	0.00	68.59	
PERIOD		0.19140	ug/m^3	UN_012	417754.36	3748859.70	68.67	0.00	68.67	
PERIOD		0.21836	ug/m^3	UN_013	417754.36	3748884.70	68.71	0.00	68.71	
PERIOD		0.24974	ug/m^3	UN_014	417754.36	3748909.70	68.91	0.00	68.91	
PERIOD		0.28562	ug/m^3	UN_015	417754.36	3748934.70	69.33	0.00	69.33	
PERIOD		0.32604	ug/m^3	UN_016	417754.36	3748959.70	69.68	0.00	69.68	
PERIOD		0.37022	ug/m^3	UN_017	417754.36	3748984.70	69.94	0.00	69.94	
PERIOD		0.41697	ug/m^3	UN_018	417754.36	3749009.70	70.20	0.00	70.20	
PERIOD		0.46332	ug/m^3	UN_019	417754.36	3749034.70	70.40	0.00	70.40	
PERIOD		0.50722	ug/m^3	UN_020	417754.36	3749059.70	70.68	0.00	70.68	
PERIOD		0.54859	ug/m^3	UN_021	417754.36	3749084.70	70.90	0.00	70.90	
PERIOD		0.58560	ug/m^3	UN_022	417754.36	3749109.70	71.06	0.00	71.06	
PERIOD		0.61665	ug/m^3	UN_023	417754.36	3749134.70	71.18	0.00	71.18	
PERIOD		0.64055	ug/m^3	UN_024	417754.36	3749159.70	71.25	0.00	71.25	
PERIOD		0.65196	ug/m^3	UN_025	417754.36	3749184.70	71.91	0.00	71.91	

Sensitive Receptor Summary

Troy High School Improvements Project
Construction HRA

Concentration - Source Group: ONSITE

Averaging Period	Rank	Peak	Units	Receptor ID	X (m)	Y (m)	ZELEV (m)	ZFLAG (m)	ZHILL (m)	Peak Date, Start Hour
PERIOD		0.65657	ug/m^3	UN_026	417754.36	3749209.70	72.34	0.00	72.34	
PERIOD		0.65746	ug/m^3	UN_027	417754.36	3749234.70	72.61	0.00	72.61	
PERIOD		0.65271	ug/m^3	UN_028	417754.36	3749259.70	72.80	0.00	72.80	
PERIOD		0.64298	ug/m^3	UN_029	417754.36	3749284.70	72.91	0.00	72.91	
PERIOD		0.62966	ug/m^3	UN_030	417754.36	3749309.70	72.75	0.00	72.75	
PERIOD		0.61180	ug/m^3	UN_031	417754.36	3749334.70	72.59	0.00	72.59	
PERIOD		0.58958	ug/m^3	UN_032	417754.36	3749359.70	72.61	0.00	72.61	
PERIOD		0.56491	ug/m^3	UN_033	417754.36	3749384.70	72.77	0.00	72.77	
PERIOD		0.53945	ug/m^3	UN_034	417754.36	3749409.70	72.97	0.00	72.97	
PERIOD		0.51439	ug/m^3	UN_035	417754.36	3749434.70	73.13	0.00	73.13	
PERIOD		0.49032	ug/m^3	UN_036	417754.36	3749459.70	73.22	0.00	73.22	
PERIOD		0.46728	ug/m^3	UN_037	417754.36	3749484.70	73.29	0.00	73.29	
PERIOD		0.44513	ug/m^3	UN_038	417754.36	3749509.70	73.42	0.00	73.42	
PERIOD		0.42397	ug/m^3	UN_039	417754.36	3749534.70	73.59	0.00	73.59	
PERIOD		0.40417	ug/m^3	UN_040	417754.36	3749559.70	73.63	0.00	73.63	
PERIOD		0.38511	ug/m^3	UN_041	417754.36	3749584.70	73.74	0.00	73.74	
PERIOD		0.06158	ug/m^3	UN_042	417779.36	3748584.70	67.21	0.00	67.21	
PERIOD		0.06665	ug/m^3	UN_043	417779.36	3748609.70	67.43	0.00	67.43	
PERIOD		0.07236	ug/m^3	UN_044	417779.36	3748634.70	67.47	0.00	67.47	
PERIOD		0.07862	ug/m^3	UN_045	417779.36	3748659.70	67.87	0.00	67.87	

Sensitive Receptor Summary

Troy High School Improvements Project
Construction HRA

Concentration - Source Group: ONSITE

Averaging Period	Rank	Peak	Units	Receptor ID	X (m)	Y (m)	ZELEV (m)	ZFLAG (m)	ZHILL (m)	Peak Date, Start Hour
PERIOD		0.08573	ug/m^3	UN_046	417779.36	3748684.70	68.24	0.00	68.24	
PERIOD		0.09400	ug/m^3	UN_047	417779.36	3748709.70	68.31	0.00	68.31	
PERIOD		0.10361	ug/m^3	UN_048	417779.36	3748734.70	68.16	0.00	68.16	
PERIOD		0.11444	ug/m^3	UN_049	417779.36	3748759.70	68.31	0.00	68.31	
PERIOD		0.12679	ug/m^3	UN_050	417779.36	3748784.70	68.57	0.00	68.57	
PERIOD		0.14103	ug/m^3	UN_051	417779.36	3748809.70	68.85	0.00	68.85	
PERIOD		0.15766	ug/m^3	UN_052	417779.36	3748834.70	69.00	0.00	69.00	
PERIOD		0.17717	ug/m^3	UN_053	417779.36	3748859.70	69.01	0.00	69.01	
PERIOD		0.19987	ug/m^3	UN_054	417779.36	3748884.70	68.94	0.00	68.94	
PERIOD		0.22584	ug/m^3	UN_055	417779.36	3748909.70	68.98	0.00	68.98	
PERIOD		0.25415	ug/m^3	UN_056	417779.36	3748934.70	69.41	0.00	69.41	
PERIOD		0.28519	ug/m^3	UN_057	417779.36	3748959.70	69.74	0.00	69.74	
PERIOD		0.31855	ug/m^3	UN_058	417779.36	3748984.70	69.98	0.00	69.98	
PERIOD		0.35266	ug/m^3	UN_059	417779.36	3749009.70	70.26	0.00	70.26	
PERIOD		0.38591	ug/m^3	UN_060	417779.36	3749034.70	70.52	0.00	70.52	
PERIOD		0.41749	ug/m^3	UN_061	417779.36	3749059.70	70.90	0.00	70.90	
PERIOD		0.44642	ug/m^3	UN_062	417779.36	3749084.70	71.15	0.00	71.15	
PERIOD		0.47207	ug/m^3	UN_063	417779.36	3749109.70	71.32	0.00	71.32	
PERIOD		0.49373	ug/m^3	UN_064	417779.36	3749134.70	71.44	0.00	71.44	
PERIOD		0.51071	ug/m^3	UN_065	417779.36	3749159.70	71.58	0.00	71.58	

Sensitive Receptor Summary

Troy High School Improvements Project
Construction HRA

Concentration - Source Group: ONSITE

Averaging Period	Rank	Peak	Units	Receptor ID	X (m)	Y (m)	ZELEV (m)	ZFLAG (m)	ZHILL (m)	Peak Date, Start Hour
PERIOD		0.51781	ug/m^3	UN_066	417779.36	3749184.70	72.42	0.00	72.42	
PERIOD		0.52397	ug/m^3	UN_067	417779.36	3749209.70	72.84	0.00	72.84	
PERIOD		0.52746	ug/m^3	UN_068	417779.36	3749234.70	73.08	0.00	73.08	
PERIOD		0.52765	ug/m^3	UN_069	417779.36	3749259.70	73.24	0.00	73.24	
PERIOD		0.52499	ug/m^3	UN_070	417779.36	3749284.70	73.30	0.00	73.30	
PERIOD		0.51951	ug/m^3	UN_071	417779.36	3749309.70	73.18	0.00	73.18	
PERIOD		0.51184	ug/m^3	UN_072	417779.36	3749334.70	72.85	0.00	72.85	
PERIOD		0.49990	ug/m^3	UN_073	417779.36	3749359.70	72.76	0.00	72.76	
PERIOD		0.48479	ug/m^3	UN_074	417779.36	3749384.70	72.90	0.00	72.90	
PERIOD		0.46810	ug/m^3	UN_075	417779.36	3749409.70	73.09	0.00	73.09	
PERIOD		0.45081	ug/m^3	UN_076	417779.36	3749434.70	73.26	0.00	73.26	
PERIOD		0.43297	ug/m^3	UN_077	417779.36	3749459.70	73.55	0.00	73.55	
PERIOD		0.41546	ug/m^3	UN_078	417779.36	3749484.70	73.80	0.00	73.80	
PERIOD		0.39843	ug/m^3	UN_079	417779.36	3749509.70	74.02	0.00	74.02	
PERIOD		0.38208	ug/m^3	UN_080	417779.36	3749534.70	74.17	0.00	74.17	
PERIOD		0.36654	ug/m^3	UN_081	417779.36	3749559.70	74.19	0.00	74.19	
PERIOD		0.35178	ug/m^3	UN_082	417779.36	3749584.70	74.06	0.00	74.06	
PERIOD		0.06042	ug/m^3	UN_083	417804.36	3748584.70	67.32	0.00	67.32	
PERIOD		0.06519	ug/m^3	UN_084	417804.36	3748609.70	67.56	0.00	67.56	
PERIOD		0.07050	ug/m^3	UN_085	417804.36	3748634.70	67.76	0.00	67.76	

Sensitive Receptor Summary

Troy High School Improvements Project
Construction HRA

Concentration - Source Group: ONSITE

Averaging Period	Rank	Peak	Units	Receptor ID	X (m)	Y (m)	ZELEV (m)	ZFLAG (m)	ZHILL (m)	Peak Date, Start Hour
PERIOD		0.07637	ug/m^3	UN_086	417804.36	3748659.70	68.15	0.00	68.15	
PERIOD		0.08304	ug/m^3	UN_087	417804.36	3748684.70	68.42	0.00	68.42	
PERIOD		0.09070	ug/m^3	UN_088	417804.36	3748709.70	68.44	0.00	68.44	
PERIOD		0.09946	ug/m^3	UN_089	417804.36	3748734.70	68.36	0.00	68.36	
PERIOD		0.10915	ug/m^3	UN_090	417804.36	3748759.70	68.67	0.00	68.67	
PERIOD		0.12016	ug/m^3	UN_091	417804.36	3748784.70	68.96	0.00	68.96	
PERIOD		0.13290	ug/m^3	UN_092	417804.36	3748809.70	69.06	0.00	69.06	
PERIOD		0.14748	ug/m^3	UN_093	417804.36	3748834.70	69.11	0.00	69.11	
PERIOD		0.16418	ug/m^3	UN_094	417804.36	3748859.70	69.12	0.00	69.12	
PERIOD		0.18315	ug/m^3	UN_095	417804.36	3748884.70	69.09	0.00	69.09	
PERIOD		0.20457	ug/m^3	UN_096	417804.36	3748909.70	69.03	0.00	69.03	
PERIOD		0.22712	ug/m^3	UN_097	417804.36	3748934.70	69.48	0.00	69.48	
PERIOD		0.25150	ug/m^3	UN_098	417804.36	3748959.70	69.84	0.00	69.84	
PERIOD		0.27719	ug/m^3	UN_099	417804.36	3748984.70	70.09	0.00	70.09	
PERIOD		0.30307	ug/m^3	UN_100	417804.36	3749009.70	70.37	0.00	70.37	
PERIOD		0.32788	ug/m^3	UN_101	417804.36	3749034.70	70.67	0.00	70.67	
PERIOD		0.35153	ug/m^3	UN_102	417804.36	3749059.70	70.92	0.00	70.92	
PERIOD		0.37277	ug/m^3	UN_103	417804.36	3749084.70	71.14	0.00	71.14	
PERIOD		0.39112	ug/m^3	UN_104	417804.36	3749109.70	71.36	0.00	71.36	
PERIOD		0.40621	ug/m^3	UN_105	417804.36	3749134.70	71.61	0.00	71.61	

Sensitive Receptor Summary

Troy High School Improvements Project
Construction HRA

Concentration - Source Group: ONSITE

Averaging Period	Rank	Peak	Units	Receptor ID	X (m)	Y (m)	ZELEV (m)	ZFLAG (m)	ZHILL (m)	Peak Date, Start Hour
PERIOD		0.41813	ug/m^3	UN_106	417804.36	3749159.70	71.86	0.00	71.86	
PERIOD		0.42357	ug/m^3	UN_107	417804.36	3749184.70	72.67	0.00	72.67	
PERIOD		0.42920	ug/m^3	UN_108	417804.36	3749209.70	73.03	0.00	73.03	
PERIOD		0.43322	ug/m^3	UN_109	417804.36	3749234.70	73.21	0.00	73.21	
PERIOD		0.43517	ug/m^3	UN_110	417804.36	3749259.70	73.33	0.00	73.33	
PERIOD		0.43555	ug/m^3	UN_111	417804.36	3749284.70	73.33	0.00	73.33	
PERIOD		0.43413	ug/m^3	UN_112	417804.36	3749309.70	73.20	0.00	73.20	
PERIOD		0.43091	ug/m^3	UN_113	417804.36	3749334.70	72.94	0.00	72.94	
PERIOD		0.42436	ug/m^3	UN_114	417804.36	3749359.70	73.00	0.00	73.00	
PERIOD		0.41523	ug/m^3	UN_115	417804.36	3749384.70	73.23	0.00	73.23	
PERIOD		0.40498	ug/m^3	UN_116	417804.36	3749409.70	73.35	0.00	73.35	
PERIOD		0.39363	ug/m^3	UN_117	417804.36	3749434.70	73.49	0.00	73.49	
PERIOD		0.38098	ug/m^3	UN_118	417804.36	3749459.70	73.88	0.00	73.88	
PERIOD		0.36817	ug/m^3	UN_119	417804.36	3749484.70	74.24	0.00	74.24	
PERIOD		0.35551	ug/m^3	UN_120	417804.36	3749509.70	74.51	0.00	74.51	
PERIOD		0.34325	ug/m^3	UN_121	417804.36	3749534.70	74.63	0.00	74.63	
PERIOD		0.33156	ug/m^3	UN_122	417804.36	3749559.70	74.52	0.00	74.52	
PERIOD		0.32030	ug/m^3	UN_123	417804.36	3749584.70	74.25	0.00	74.25	
PERIOD		0.05920	ug/m^3	UN_124	417829.36	3748584.70	67.42	0.00	67.42	
PERIOD		0.06367	ug/m^3	UN_125	417829.36	3748609.70	67.68	0.00	67.68	

Sensitive Receptor Summary

Troy High School Improvements Project
Construction HRA

Concentration - Source Group: ONSITE

Averaging Period	Rank	Peak	Units	Receptor ID	X (m)	Y (m)	ZELEV (m)	ZFLAG (m)	ZHILL (m)	Peak Date, Start Hour
PERIOD		0.06862	ug/m^3	UN_126	417829.36	3748634.70	67.95	0.00	67.95	
PERIOD		0.07414	ug/m^3	UN_127	417829.36	3748659.70	68.25	0.00	68.25	
PERIOD		0.08035	ug/m^3	UN_128	417829.36	3748684.70	68.47	0.00	68.47	
PERIOD		0.08740	ug/m^3	UN_129	417829.36	3748709.70	68.49	0.00	68.49	
PERIOD		0.09536	ug/m^3	UN_130	417829.36	3748734.70	68.46	0.00	68.46	
PERIOD		0.10411	ug/m^3	UN_131	417829.36	3748759.70	68.75	0.00	68.75	
PERIOD		0.11397	ug/m^3	UN_132	417829.36	3748784.70	69.02	0.00	69.02	
PERIOD		0.12523	ug/m^3	UN_133	417829.36	3748809.70	69.08	0.00	69.08	
PERIOD		0.13796	ug/m^3	UN_134	417829.36	3748834.70	69.11	0.00	69.11	
PERIOD		0.15220	ug/m^3	UN_135	417829.36	3748859.70	69.14	0.00	69.14	
PERIOD		0.16817	ug/m^3	UN_136	417829.36	3748884.70	69.11	0.00	69.11	
PERIOD		0.18569	ug/m^3	UN_137	417829.36	3748909.70	69.13	0.00	69.13	
PERIOD		0.20388	ug/m^3	UN_138	417829.36	3748934.70	69.60	0.00	69.60	
PERIOD		0.22327	ug/m^3	UN_139	417829.36	3748959.70	69.95	0.00	69.95	
PERIOD		0.24343	ug/m^3	UN_140	417829.36	3748984.70	70.20	0.00	70.20	
PERIOD		0.26354	ug/m^3	UN_141	417829.36	3749009.70	70.47	0.00	70.47	
PERIOD		0.28272	ug/m^3	UN_142	417829.36	3749034.70	70.72	0.00	70.72	
PERIOD		0.30156	ug/m^3	UN_143	417829.36	3749059.70	70.64	0.00	70.64	
PERIOD		0.31764	ug/m^3	UN_144	417829.36	3749084.70	70.86	0.00	70.86	
PERIOD		0.33071	ug/m^3	UN_145	417829.36	3749109.70	71.30	0.00	71.30	

Sensitive Receptor Summary

Troy High School Improvements Project
Construction HRA

Concentration - Source Group: ONSITE

Averaging Period	Rank	Peak	Units	Receptor ID	X (m)	Y (m)	ZELEV (m)	ZFLAG (m)	ZHILL (m)	Peak Date, Start Hour
PERIOD		0.34127	ug/m^3	UN_146	417829.36	3749134.70	71.75	0.00	71.75	
PERIOD		0.34891	ug/m^3	UN_147	417829.36	3749159.70	72.05	0.00	72.05	
PERIOD		0.35435	ug/m^3	UN_148	417829.36	3749184.70	72.73	0.00	72.73	
PERIOD		0.35882	ug/m^3	UN_149	417829.36	3749209.70	73.10	0.00	73.10	
PERIOD		0.36231	ug/m^3	UN_150	417829.36	3749234.70	73.28	0.00	73.28	
PERIOD		0.36478	ug/m^3	UN_151	417829.36	3749259.70	73.35	0.00	73.35	
PERIOD		0.36600	ug/m^3	UN_152	417829.36	3749284.70	73.37	0.00	73.37	
PERIOD		0.36630	ug/m^3	UN_153	417829.36	3749309.70	73.26	0.00	73.26	
PERIOD		0.36437	ug/m^3	UN_154	417829.36	3749334.70	73.38	0.00	73.38	
PERIOD		0.36058	ug/m^3	UN_155	417829.36	3749359.70	73.67	0.00	73.67	
PERIOD		0.35563	ug/m^3	UN_156	417829.36	3749384.70	73.85	0.00	73.85	
PERIOD		0.35011	ug/m^3	UN_157	417829.36	3749409.70	73.77	0.00	73.77	
PERIOD		0.34314	ug/m^3	UN_158	417829.36	3749434.70	73.83	0.00	73.83	
PERIOD		0.33472	ug/m^3	UN_159	417829.36	3749459.70	74.17	0.00	74.17	
PERIOD		0.32574	ug/m^3	UN_160	417829.36	3749484.70	74.55	0.00	74.55	
PERIOD		0.31672	ug/m^3	UN_161	417829.36	3749509.70	74.79	0.00	74.79	
PERIOD		0.30789	ug/m^3	UN_162	417829.36	3749534.70	74.82	0.00	74.82	
PERIOD		0.29933	ug/m^3	UN_163	417829.36	3749559.70	74.63	0.00	74.63	
PERIOD		0.29076	ug/m^3	UN_164	417829.36	3749584.70	74.37	0.00	74.37	
PERIOD		0.05787	ug/m^3	UN_165	417854.36	3748584.70	67.62	0.00	67.62	

Sensitive Receptor Summary

Troy High School Improvements Project
Construction HRA

Concentration - Source Group: ONSITE

Averaging Period	Rank	Peak	Units	Receptor ID	X (m)	Y (m)	ZELEV (m)	ZFLAG (m)	ZHILL (m)	Peak Date, Start Hour
PERIOD		0.06204	ug/m^3	UN_166	417854.36	3748609.70	67.94	0.00	67.94	
PERIOD		0.06670	ug/m^3	UN_167	417854.36	3748634.70	68.15	0.00	68.15	
PERIOD		0.07187	ug/m^3	UN_168	417854.36	3748659.70	68.34	0.00	68.34	
PERIOD		0.07761	ug/m^3	UN_169	417854.36	3748684.70	68.53	0.00	68.53	
PERIOD		0.08407	ug/m^3	UN_170	417854.36	3748709.70	68.57	0.00	68.57	
PERIOD		0.09129	ug/m^3	UN_171	417854.36	3748734.70	68.56	0.00	68.56	
PERIOD		0.09921	ug/m^3	UN_172	417854.36	3748759.70	68.77	0.00	68.77	
PERIOD		0.10810	ug/m^3	UN_173	417854.36	3748784.70	68.88	0.00	68.88	
PERIOD		0.11808	ug/m^3	UN_174	417854.36	3748809.70	68.89	0.00	68.89	
PERIOD		0.12913	ug/m^3	UN_175	417854.36	3748834.70	68.94	0.00	68.94	
PERIOD		0.14132	ug/m^3	UN_176	417854.36	3748859.70	69.01	0.00	69.01	
PERIOD		0.15472	ug/m^3	UN_177	417854.36	3748884.70	69.06	0.00	69.06	
PERIOD		0.16895	ug/m^3	UN_178	417854.36	3748909.70	69.31	0.00	69.31	
PERIOD		0.18373	ug/m^3	UN_179	417854.36	3748934.70	69.79	0.00	69.79	
PERIOD		0.19944	ug/m^3	UN_180	417854.36	3748959.70	70.08	0.00	70.08	
PERIOD		0.21565	ug/m^3	UN_181	417854.36	3748984.70	70.29	0.00	70.29	
PERIOD		0.23143	ug/m^3	UN_182	417854.36	3749009.70	70.57	0.00	70.57	
PERIOD		0.24646	ug/m^3	UN_183	417854.36	3749034.70	70.86	0.00	70.86	
PERIOD		0.26121	ug/m^3	UN_184	417854.36	3749059.70	70.73	0.00	70.73	
PERIOD		0.27352	ug/m^3	UN_185	417854.36	3749084.70	71.01	0.00	71.01	

Sensitive Receptor Summary

Troy High School Improvements Project
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Concentration - Source Group: ONSITE

Averaging Period	Rank	Peak	Units	Receptor ID	X (m)	Y (m)	ZELEV (m)	ZFLAG (m)	ZHILL (m)	Peak Date, Start Hour
PERIOD		0.28341	ug/m^3	UN_186	417854.36	3749109.70	71.50	0.00	71.50	
PERIOD		0.29142	ug/m^3	UN_187	417854.36	3749134.70	71.95	0.00	71.95	
PERIOD		0.29734	ug/m^3	UN_188	417854.36	3749159.70	72.15	0.00	72.15	
PERIOD		0.30198	ug/m^3	UN_189	417854.36	3749184.70	72.62	0.00	72.62	
PERIOD		0.30514	ug/m^3	UN_190	417854.36	3749209.70	73.10	0.00	73.10	
PERIOD		0.30782	ug/m^3	UN_191	417854.36	3749234.70	73.34	0.00	73.34	
PERIOD		0.31016	ug/m^3	UN_192	417854.36	3749259.70	73.36	0.00	73.36	
PERIOD		0.31158	ug/m^3	UN_193	417854.36	3749284.70	73.38	0.00	73.38	
PERIOD		0.31241	ug/m^3	UN_194	417854.36	3749309.70	73.30	0.00	73.30	
PERIOD		0.31130	ug/m^3	UN_195	417854.36	3749334.70	73.61	0.00	73.61	
PERIOD		0.30902	ug/m^3	UN_196	417854.36	3749359.70	74.05	0.00	74.05	
PERIOD		0.30622	ug/m^3	UN_197	417854.36	3749384.70	74.33	0.00	74.33	
PERIOD		0.30319	ug/m^3	UN_198	417854.36	3749409.70	74.28	0.00	74.28	
PERIOD		0.29933	ug/m^3	UN_199	417854.36	3749434.70	74.20	0.00	74.20	
PERIOD		0.29405	ug/m^3	UN_200	417854.36	3749459.70	74.44	0.00	74.44	
PERIOD		0.28803	ug/m^3	UN_201	417854.36	3749484.70	74.78	0.00	74.78	
PERIOD		0.28187	ug/m^3	UN_202	417854.36	3749509.70	74.96	0.00	74.96	
PERIOD		0.27583	ug/m^3	UN_203	417854.36	3749534.70	74.86	0.00	74.86	
PERIOD		0.26966	ug/m^3	UN_204	417854.36	3749559.70	74.67	0.00	74.67	
PERIOD		0.26323	ug/m^3	UN_205	417854.36	3749584.70	74.49	0.00	74.49	

Sensitive Receptor Summary

Troy High School Improvements Project
Construction HRA

Concentration - Source Group: ONSITE

Averaging Period	Rank	Peak	Units	Receptor ID	X (m)	Y (m)	ZELEV (m)	ZFLAG (m)	ZHILL (m)	Peak Date, Start Hour
PERIOD		0.05648	ug/m^3	UN_206	417879.36	3748584.70	67.87	0.00	67.87	
PERIOD		0.06036	ug/m^3	UN_207	417879.36	3748609.70	68.27	0.00	68.27	
PERIOD		0.06472	ug/m^3	UN_208	417879.36	3748634.70	68.39	0.00	68.39	
PERIOD		0.06952	ug/m^3	UN_209	417879.36	3748659.70	68.55	0.00	68.55	
PERIOD		0.07483	ug/m^3	UN_210	417879.36	3748684.70	68.68	0.00	68.68	
PERIOD		0.08073	ug/m^3	UN_211	417879.36	3748709.70	68.70	0.00	68.70	
PERIOD		0.08729	ug/m^3	UN_212	417879.36	3748734.70	68.64	0.00	68.64	
PERIOD		0.09452	ug/m^3	UN_213	417879.36	3748759.70	68.66	0.00	68.66	
PERIOD		0.10248	ug/m^3	UN_214	417879.36	3748784.70	68.70	0.00	68.70	
PERIOD		0.11114	ug/m^3	UN_215	417879.36	3748809.70	68.88	0.00	68.88	
PERIOD		0.12056	ug/m^3	UN_216	417879.36	3748834.70	69.15	0.00	69.15	
PERIOD		0.13085	ug/m^3	UN_217	417879.36	3748859.70	69.39	0.00	69.39	
PERIOD		0.14207	ug/m^3	UN_218	417879.36	3748884.70	69.50	0.00	69.50	
PERIOD		0.15398	ug/m^3	UN_219	417879.36	3748909.70	69.66	0.00	69.66	
PERIOD		0.16632	ug/m^3	UN_220	417879.36	3748934.70	70.00	0.00	70.00	
PERIOD		0.17923	ug/m^3	UN_221	417879.36	3748959.70	70.23	0.00	70.23	
PERIOD		0.19232	ug/m^3	UN_222	417879.36	3748984.70	70.44	0.00	70.44	
PERIOD		0.20494	ug/m^3	UN_223	417879.36	3749009.70	70.71	0.00	70.71	
PERIOD		0.21690	ug/m^3	UN_224	417879.36	3749034.70	71.04	0.00	71.04	
PERIOD		0.22825	ug/m^3	UN_225	417879.36	3749059.70	71.12	0.00	71.12	

Sensitive Receptor Summary

Troy High School Improvements Project
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Concentration - Source Group: ONSITE

Averaging Period	Rank	Peak	Units	Receptor ID	X (m)	Y (m)	ZELEV (m)	ZFLAG (m)	ZHILL (m)	Peak Date, Start Hour
PERIOD		0.23785	ug/m^3	UN_226	417879.36	3749084.70	71.46	0.00	71.46	
PERIOD		0.24571	ug/m^3	UN_227	417879.36	3749109.70	71.89	0.00	71.89	
PERIOD		0.25117	ug/m^3	UN_228	417879.36	3749134.70	72.22	0.00	72.22	
PERIOD		0.25682	ug/m^3	UN_229	417879.36	3749159.70	72.32	0.00	72.32	
PERIOD		0.26073	ug/m^3	UN_230	417879.36	3749184.70	72.64	0.00	72.64	
PERIOD		0.26330	ug/m^3	UN_231	417879.36	3749209.70	73.05	0.00	73.05	
PERIOD		0.26537	ug/m^3	UN_232	417879.36	3749234.70	73.29	0.00	73.29	
PERIOD		0.26713	ug/m^3	UN_233	417879.36	3749259.70	73.36	0.00	73.36	
PERIOD		0.26825	ug/m^3	UN_234	417879.36	3749284.70	73.45	0.00	73.45	
PERIOD		0.26885	ug/m^3	UN_235	417879.36	3749309.70	73.53	0.00	73.53	
PERIOD		0.26843	ug/m^3	UN_236	417879.36	3749334.70	73.83	0.00	73.83	
PERIOD		0.26733	ug/m^3	UN_237	417879.36	3749359.70	74.19	0.00	74.19	
PERIOD		0.26589	ug/m^3	UN_238	417879.36	3749384.70	74.44	0.00	74.44	
PERIOD		0.26425	ug/m^3	UN_239	417879.36	3749409.70	74.45	0.00	74.45	
PERIOD		0.26215	ug/m^3	UN_240	417879.36	3749434.70	74.36	0.00	74.36	
PERIOD		0.25880	ug/m^3	UN_241	417879.36	3749459.70	74.63	0.00	74.63	
PERIOD		0.25486	ug/m^3	UN_242	417879.36	3749484.70	74.95	0.00	74.95	
PERIOD		0.25083	ug/m^3	UN_243	417879.36	3749509.70	75.07	0.00	75.07	
PERIOD		0.24677	ug/m^3	UN_244	417879.36	3749534.70	74.95	0.00	74.95	
PERIOD		0.24238	ug/m^3	UN_245	417879.36	3749559.70	74.83	0.00	74.83	

Sensitive Receptor Summary

Troy High School Improvements Project
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Concentration - Source Group: ONSITE

Averaging Period	Rank	Peak	Units	Receptor ID	X (m)	Y (m)	ZELEV (m)	ZFLAG (m)	ZHILL (m)	Peak Date, Start Hour
PERIOD		0.23775	ug/m^3	UN_246	417879.36	3749584.70	74.67	0.00	74.67	
PERIOD		0.05507	ug/m^3	UN_247	417904.36	3748584.70	68.02	0.00	68.02	
PERIOD		0.05871	ug/m^3	UN_248	417904.36	3748609.70	68.40	0.00	68.40	
PERIOD		0.06278	ug/m^3	UN_249	417904.36	3748634.70	68.48	0.00	68.48	
PERIOD		0.06718	ug/m^3	UN_250	417904.36	3748659.70	68.75	0.00	68.75	
PERIOD		0.07204	ug/m^3	UN_251	417904.36	3748684.70	68.89	0.00	68.89	
PERIOD		0.07741	ug/m^3	UN_252	417904.36	3748709.70	68.90	0.00	68.90	
PERIOD		0.08332	ug/m^3	UN_253	417904.36	3748734.70	68.88	0.00	68.88	
PERIOD		0.08975	ug/m^3	UN_254	417904.36	3748759.70	68.97	0.00	68.97	
PERIOD		0.09675	ug/m^3	UN_255	417904.36	3748784.70	69.10	0.00	69.10	
PERIOD		0.10418	ug/m^3	UN_256	417904.36	3748809.70	69.51	0.00	69.51	
PERIOD		0.11231	ug/m^3	UN_257	417904.36	3748834.70	69.80	0.00	69.80	
PERIOD		0.12120	ug/m^3	UN_258	417904.36	3748859.70	69.92	0.00	69.92	
PERIOD		0.13076	ug/m^3	UN_259	417904.36	3748884.70	69.94	0.00	69.94	
PERIOD		0.14077	ug/m^3	UN_260	417904.36	3748909.70	70.05	0.00	70.05	
PERIOD		0.15125	ug/m^3	UN_261	417904.36	3748934.70	70.18	0.00	70.18	
PERIOD		0.16196	ug/m^3	UN_262	417904.36	3748959.70	70.34	0.00	70.34	
PERIOD		0.17269	ug/m^3	UN_263	417904.36	3748984.70	70.54	0.00	70.54	
PERIOD		0.18299	ug/m^3	UN_264	417904.36	3749009.70	70.78	0.00	70.78	
PERIOD		0.19258	ug/m^3	UN_265	417904.36	3749034.70	71.15	0.00	71.15	

Sensitive Receptor Summary

Troy High School Improvements Project
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Concentration - Source Group: ONSITE

Averaging Period	Rank	Peak	Units	Receptor ID	X (m)	Y (m)	ZELEV (m)	ZFLAG (m)	ZHILL (m)	Peak Date, Start Hour
PERIOD		0.20148	ug/m^3	UN_266	417904.36	3749059.70	71.43	0.00	71.43	
PERIOD		0.20918	ug/m^3	UN_267	417904.36	3749084.70	71.77	0.00	71.77	
PERIOD		0.21452	ug/m^3	UN_268	417904.36	3749109.70	72.11	0.00	72.11	
PERIOD		0.21998	ug/m^3	UN_269	417904.36	3749134.70	72.38	0.00	72.38	
PERIOD		0.22444	ug/m^3	UN_270	417904.36	3749159.70	72.52	0.00	72.52	
PERIOD		0.22761	ug/m^3	UN_271	417904.36	3749184.70	72.77	0.00	72.77	
PERIOD		0.22981	ug/m^3	UN_272	417904.36	3749209.70	73.06	0.00	73.06	
PERIOD		0.23145	ug/m^3	UN_273	417904.36	3749234.70	73.26	0.00	73.26	
PERIOD		0.23267	ug/m^3	UN_274	417904.36	3749259.70	73.40	0.00	73.40	
PERIOD		0.23335	ug/m^3	UN_275	417904.36	3749284.70	73.59	0.00	73.59	
PERIOD		0.23357	ug/m^3	UN_276	417904.36	3749309.70	73.86	0.00	73.86	
PERIOD		0.23338	ug/m^3	UN_277	417904.36	3749334.70	74.16	0.00	74.16	
PERIOD		0.23302	ug/m^3	UN_278	417904.36	3749359.70	74.36	0.00	74.36	
PERIOD		0.23248	ug/m^3	UN_279	417904.36	3749384.70	74.47	0.00	74.47	
PERIOD		0.23168	ug/m^3	UN_280	417904.36	3749409.70	74.51	0.00	74.51	
PERIOD		0.23058	ug/m^3	UN_281	417904.36	3749434.70	74.45	0.00	74.45	
PERIOD		0.22844	ug/m^3	UN_282	417904.36	3749459.70	74.77	0.00	74.77	
PERIOD		0.22596	ug/m^3	UN_283	417904.36	3749484.70	75.06	0.00	75.06	
PERIOD		0.22337	ug/m^3	UN_284	417904.36	3749509.70	75.17	0.00	75.17	
PERIOD		0.22064	ug/m^3	UN_285	417904.36	3749534.70	75.13	0.00	75.13	

Sensitive Receptor Summary

Troy High School Improvements Project
Construction HRA

Concentration - Source Group: ONSITE

Averaging Period	Rank	Peak	Units	Receptor ID	X (m)	Y (m)	ZELEV (m)	ZFLAG (m)	ZHILL (m)	Peak Date, Start Hour
PERIOD		0.21760	ug/m^3	UN_286	417904.36	3749559.70	75.09	0.00	75.09	
PERIOD		0.21442	ug/m^3	UN_287	417904.36	3749584.70	74.92	0.00	74.92	
PERIOD		0.05368	ug/m^3	UN_288	417929.36	3748584.70	68.06	0.00	68.06	
PERIOD		0.05709	ug/m^3	UN_289	417929.36	3748609.70	68.37	0.00	68.37	
PERIOD		0.06087	ug/m^3	UN_290	417929.36	3748634.70	68.45	0.00	68.45	
PERIOD		0.06492	ug/m^3	UN_291	417929.36	3748659.70	68.73	0.00	68.73	
PERIOD		0.06936	ug/m^3	UN_292	417929.36	3748684.70	68.90	0.00	68.90	
PERIOD		0.07421	ug/m^3	UN_293	417929.36	3748709.70	69.01	0.00	69.01	
PERIOD		0.07948	ug/m^3	UN_294	417929.36	3748734.70	69.16	0.00	69.16	
PERIOD		0.08508	ug/m^3	UN_295	417929.36	3748759.70	69.54	0.00	69.54	
PERIOD		0.09116	ug/m^3	UN_296	417929.36	3748784.70	69.84	0.00	69.84	
PERIOD		0.09780	ug/m^3	UN_297	417929.36	3748809.70	70.01	0.00	70.01	
PERIOD		0.10498	ug/m^3	UN_298	417929.36	3748834.70	70.10	0.00	70.10	
PERIOD		0.11267	ug/m^3	UN_299	417929.36	3748859.70	70.11	0.00	70.11	
PERIOD		0.12085	ug/m^3	UN_300	417929.36	3748884.70	70.08	0.00	70.08	
PERIOD		0.12946	ug/m^3	UN_301	417929.36	3748909.70	70.04	0.00	70.04	
PERIOD		0.13830	ug/m^3	UN_302	417929.36	3748934.70	70.15	0.00	70.15	
PERIOD		0.14714	ug/m^3	UN_303	417929.36	3748959.70	70.38	0.00	70.38	
PERIOD		0.15595	ug/m^3	UN_304	417929.36	3748984.70	70.63	0.00	70.63	
PERIOD		0.16445	ug/m^3	UN_305	417929.36	3749009.70	70.86	0.00	70.86	

Sensitive Receptor Summary

Troy High School Improvements Project
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Concentration - Source Group: ONSITE

Averaging Period	Rank	Peak	Units	Receptor ID	X (m)	Y (m)	ZELEV (m)	ZFLAG (m)	ZHILL (m)	Peak Date, Start Hour
PERIOD		0.17232	ug/m^3	UN_306	417929.36	3749034.70	71.22	0.00	71.22	
PERIOD		0.17953	ug/m^3	UN_307	417929.36	3749059.70	71.56	0.00	71.56	
PERIOD		0.18584	ug/m^3	UN_308	417929.36	3749084.70	71.88	0.00	71.88	
PERIOD		0.19018	ug/m^3	UN_309	417929.36	3749109.70	72.15	0.00	72.15	
PERIOD		0.19472	ug/m^3	UN_310	417929.36	3749134.70	72.38	0.00	72.38	
PERIOD		0.19827	ug/m^3	UN_311	417929.36	3749159.70	72.60	0.00	72.60	
PERIOD		0.20083	ug/m^3	UN_312	417929.36	3749184.70	72.85	0.00	72.85	
PERIOD		0.20253	ug/m^3	UN_313	417929.36	3749209.70	73.15	0.00	73.15	
PERIOD		0.20381	ug/m^3	UN_314	417929.36	3749234.70	73.33	0.00	73.33	
PERIOD		0.20474	ug/m^3	UN_315	417929.36	3749259.70	73.43	0.00	73.43	
PERIOD		0.20526	ug/m^3	UN_316	417929.36	3749284.70	73.58	0.00	73.58	
PERIOD		0.20529	ug/m^3	UN_317	417929.36	3749309.70	73.91	0.00	73.91	
PERIOD		0.20513	ug/m^3	UN_318	417929.36	3749334.70	74.22	0.00	74.22	
PERIOD		0.20479	ug/m^3	UN_319	417929.36	3749359.70	74.51	0.00	74.51	
PERIOD		0.20403	ug/m^3	UN_320	417929.36	3749384.70	74.98	0.00	74.98	
PERIOD		0.20304	ug/m^3	UN_321	417929.36	3749409.70	75.49	0.00	75.49	
PERIOD		0.20298	ug/m^3	UN_322	417929.36	3749434.70	75.10	0.00	75.10	
PERIOD		0.20214	ug/m^3	UN_323	417929.36	3749459.70	75.09	0.00	75.09	
PERIOD		0.20089	ug/m^3	UN_324	417929.36	3749484.70	75.15	0.00	75.15	
PERIOD		0.19937	ug/m^3	UN_325	417929.36	3749509.70	75.19	0.00	75.19	

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Concentration - Source Group: ONSITE

Averaging Period	Rank	Peak	Units	Receptor ID	X (m)	Y (m)	ZELEV (m)	ZFLAG (m)	ZHILL (m)	Peak Date, Start Hour
PERIOD		0.19761	ug/m^3	UN_326	417929.36	3749534.70	75.20	0.00	75.20	
PERIOD		0.19558	ug/m^3	UN_327	417929.36	3749559.70	75.21	0.00	75.21	
PERIOD		0.19339	ug/m^3	UN_328	417929.36	3749584.70	75.12	0.00	75.12	
PERIOD		0.05222	ug/m^3	UN_329	417954.36	3748584.70	68.31	0.00	68.31	
PERIOD		0.05541	ug/m^3	UN_330	417954.36	3748609.70	68.53	0.00	68.53	
PERIOD		0.05892	ug/m^3	UN_331	417954.36	3748634.70	68.53	0.00	68.53	
PERIOD		0.06269	ug/m^3	UN_332	417954.36	3748659.70	68.66	0.00	68.66	
PERIOD		0.06677	ug/m^3	UN_333	417954.36	3748684.70	68.77	0.00	68.77	
PERIOD		0.07118	ug/m^3	UN_334	417954.36	3748709.70	68.90	0.00	68.90	
PERIOD		0.07589	ug/m^3	UN_335	417954.36	3748734.70	69.16	0.00	69.16	
PERIOD		0.08085	ug/m^3	UN_336	417954.36	3748759.70	69.65	0.00	69.65	
PERIOD		0.08623	ug/m^3	UN_337	417954.36	3748784.70	69.97	0.00	69.97	
PERIOD		0.09212	ug/m^3	UN_338	417954.36	3748809.70	70.04	0.00	70.04	
PERIOD		0.09843	ug/m^3	UN_339	417954.36	3748834.70	70.01	0.00	70.01	
PERIOD		0.10513	ug/m^3	UN_340	417954.36	3748859.70	69.97	0.00	69.97	
PERIOD		0.11215	ug/m^3	UN_341	417954.36	3748884.70	69.97	0.00	69.97	
PERIOD		0.11940	ug/m^3	UN_342	417954.36	3748909.70	70.06	0.00	70.06	
PERIOD		0.12680	ug/m^3	UN_343	417954.36	3748934.70	70.25	0.00	70.25	
PERIOD		0.13422	ug/m^3	UN_344	417954.36	3748959.70	70.50	0.00	70.50	
PERIOD		0.14154	ug/m^3	UN_345	417954.36	3748984.70	70.75	0.00	70.75	

Sensitive Receptor Summary

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Averaging Period	Rank	Peak	Units	Receptor ID	X (m)	Y (m)	ZELEV (m)	ZFLAG (m)	ZHILL (m)	Peak Date, Start Hour
PERIOD		0.14862	ug/m^3	UN_346	417954.36	3749009.70	70.97	0.00	70.97	
PERIOD		0.15518	ug/m^3	UN_347	417954.36	3749034.70	71.30	0.00	71.30	
PERIOD		0.16111	ug/m^3	UN_348	417954.36	3749059.70	71.68	0.00	71.68	
PERIOD		0.16640	ug/m^3	UN_349	417954.36	3749084.70	71.94	0.00	71.94	
PERIOD		0.16993	ug/m^3	UN_350	417954.36	3749109.70	72.20	0.00	72.20	
PERIOD		0.17379	ug/m^3	UN_351	417954.36	3749134.70	72.36	0.00	72.36	
PERIOD		0.17717	ug/m^3	UN_352	417954.36	3749159.70	72.23	0.00	72.23	
PERIOD		0.17929	ug/m^3	UN_353	417954.36	3749184.70	72.47	0.00	72.47	
PERIOD		0.18033	ug/m^3	UN_354	417954.36	3749209.70	73.04	0.00	73.04	
PERIOD		0.18115	ug/m^3	UN_355	417954.36	3749234.70	73.35	0.00	73.35	
PERIOD		0.18192	ug/m^3	UN_356	417954.36	3749259.70	73.38	0.00	73.38	
PERIOD		0.18243	ug/m^3	UN_357	417954.36	3749284.70	73.38	0.00	73.38	
PERIOD		0.18247	ug/m^3	UN_358	417954.36	3749309.70	73.61	0.00	73.61	
PERIOD		0.18224	ug/m^3	UN_359	417954.36	3749334.70	73.93	0.00	73.93	
PERIOD		0.18167	ug/m^3	UN_360	417954.36	3749359.70	74.43	0.00	74.43	
PERIOD		0.18058	ug/m^3	UN_361	417954.36	3749384.70	75.31	0.00	75.31	
PERIOD		0.17939	ug/m^3	UN_362	417954.36	3749409.70	76.22	0.00	76.22	
PERIOD		0.17984	ug/m^3	UN_363	417954.36	3749434.70	75.61	0.00	75.61	
PERIOD		0.17963	ug/m^3	UN_364	417954.36	3749459.70	75.42	0.00	75.42	
PERIOD		0.17921	ug/m^3	UN_365	417954.36	3749484.70	75.24	0.00	75.24	

Sensitive Receptor Summary

Troy High School Improvements Project
Construction HRA

Concentration - Source Group: ONSITE

Averaging Period	Rank	Peak	Units	Receptor ID	X (m)	Y (m)	ZELEV (m)	ZFLAG (m)	ZHILL (m)	Peak Date, Start Hour
PERIOD		0.17847	ug/m^3	UN_366	417954.36	3749509.70	75.16	0.00	75.16	
PERIOD		0.17739	ug/m^3	UN_367	417954.36	3749534.70	75.19	0.00	75.19	
PERIOD		0.17608	ug/m^3	UN_368	417954.36	3749559.70	75.24	0.00	75.24	
PERIOD		0.17456	ug/m^3	UN_369	417954.36	3749584.70	75.29	0.00	75.29	
PERIOD		0.05081	ug/m^3	UN_370	417979.36	3748584.70	68.31	0.00	68.31	
PERIOD		0.05377	ug/m^3	UN_371	417979.36	3748609.70	68.55	0.00	68.55	
PERIOD		0.05701	ug/m^3	UN_372	417979.36	3748634.70	68.56	0.00	68.56	
PERIOD		0.06050	ug/m^3	UN_373	417979.36	3748659.70	68.63	0.00	68.63	
PERIOD		0.06424	ug/m^3	UN_374	417979.36	3748684.70	68.69	0.00	68.69	
PERIOD		0.06823	ug/m^3	UN_375	417979.36	3748709.70	68.85	0.00	68.85	
PERIOD		0.07246	ug/m^3	UN_376	417979.36	3748734.70	69.13	0.00	69.13	
PERIOD		0.07694	ug/m^3	UN_377	417979.36	3748759.70	69.51	0.00	69.51	
PERIOD		0.08180	ug/m^3	UN_378	417979.36	3748784.70	69.65	0.00	69.65	
PERIOD		0.08699	ug/m^3	UN_379	417979.36	3748809.70	69.71	0.00	69.71	
PERIOD		0.09251	ug/m^3	UN_380	417979.36	3748834.70	69.75	0.00	69.75	
PERIOD		0.09818	ug/m^3	UN_381	417979.36	3748859.70	69.97	0.00	69.97	
PERIOD		0.10393	ug/m^3	UN_382	417979.36	3748884.70	70.47	0.00	70.47	
PERIOD		0.10997	ug/m^3	UN_383	417979.36	3748909.70	70.78	0.00	70.78	
PERIOD		0.11631	ug/m^3	UN_384	417979.36	3748934.70	70.87	0.00	70.87	
PERIOD		0.12274	ug/m^3	UN_385	417979.36	3748959.70	70.87	0.00	70.87	

Sensitive Receptor Summary

Troy High School Improvements Project
Construction HRA

Concentration - Source Group: ONSITE

Averaging Period	Rank	Peak	Units	Receptor ID	X (m)	Y (m)	ZELEV (m)	ZFLAG (m)	ZHILL (m)	Peak Date, Start Hour
PERIOD		0.12906	ug/m^3	UN_386	417979.36	3748984.70	70.91	0.00	70.91	
PERIOD		0.13504	ug/m^3	UN_387	417979.36	3749009.70	71.07	0.00	71.07	
PERIOD		0.14052	ug/m^3	UN_388	417979.36	3749034.70	71.43	0.00	71.43	
PERIOD		0.14550	ug/m^3	UN_389	417979.36	3749059.70	71.79	0.00	71.79	
PERIOD		0.14893	ug/m^3	UN_390	417979.36	3749084.70	72.07	0.00	72.07	
PERIOD		0.15284	ug/m^3	UN_391	417979.36	3749109.70	72.30	0.00	72.30	
PERIOD		0.15623	ug/m^3	UN_392	417979.36	3749134.70	72.33	0.00	72.33	
PERIOD		0.15982	ug/m^3	UN_393	417979.36	3749159.70	71.94	0.00	71.94	
PERIOD		0.16107	ug/m^3	UN_394	417979.36	3749184.70	72.23	0.00	72.23	
PERIOD		0.16171	ug/m^3	UN_395	417979.36	3749209.70	72.99	0.00	72.99	
PERIOD		0.16228	ug/m^3	UN_396	417979.36	3749234.70	73.37	0.00	73.37	
PERIOD		0.16288	ug/m^3	UN_397	417979.36	3749259.70	73.37	0.00	73.37	
PERIOD		0.16329	ug/m^3	UN_398	417979.36	3749284.70	73.29	0.00	73.29	
PERIOD		0.16342	ug/m^3	UN_399	417979.36	3749309.70	73.33	0.00	73.33	
PERIOD		0.16316	ug/m^3	UN_400	417979.36	3749334.70	73.61	0.00	73.61	
PERIOD		0.16258	ug/m^3	UN_401	417979.36	3749359.70	74.14	0.00	74.14	
PERIOD		0.16171	ug/m^3	UN_402	417979.36	3749384.70	74.90	0.00	74.90	
PERIOD		0.16093	ug/m^3	UN_403	417979.36	3749409.70	75.58	0.00	75.58	
PERIOD		0.16126	ug/m^3	UN_404	417979.36	3749434.70	75.13	0.00	75.13	
PERIOD		0.16082	ug/m^3	UN_405	417979.36	3749459.70	75.34	0.00	75.34	

Sensitive Receptor Summary

Troy High School Improvements Project
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Concentration - Source Group: ONSITE

Averaging Period	Rank	Peak	Units	Receptor ID	X (m)	Y (m)	ZELEV (m)	ZFLAG (m)	ZHILL (m)	Peak Date, Start Hour
PERIOD		0.16050	ug/m^3	UN_406	417979.36	3749484.70	75.35	0.00	75.35	
PERIOD		0.16009	ug/m^3	UN_407	417979.36	3749509.70	75.33	0.00	75.33	
PERIOD		0.15945	ug/m^3	UN_408	417979.36	3749534.70	75.39	0.00	75.39	
PERIOD		0.15864	ug/m^3	UN_409	417979.36	3749559.70	75.48	0.00	75.48	
PERIOD		0.15772	ug/m^3	UN_410	417979.36	3749584.70	75.52	0.00	75.52	
PERIOD		0.04935	ug/m^3	UN_411	418004.36	3748584.70	68.57	0.00	68.57	
PERIOD		0.05204	ug/m^3	UN_412	418004.36	3748609.70	69.03	0.00	69.03	
PERIOD		0.05501	ug/m^3	UN_413	418004.36	3748634.70	69.12	0.00	69.12	
PERIOD		0.05820	ug/m^3	UN_414	418004.36	3748659.70	69.15	0.00	69.15	
PERIOD		0.06161	ug/m^3	UN_415	418004.36	3748684.70	69.18	0.00	69.18	
PERIOD		0.06520	ug/m^3	UN_416	418004.36	3748709.70	69.39	0.00	69.39	
PERIOD		0.06900	ug/m^3	UN_417	418004.36	3748734.70	69.67	0.00	69.67	
PERIOD		0.07308	ug/m^3	UN_418	418004.36	3748759.70	69.80	0.00	69.80	
PERIOD		0.07744	ug/m^3	UN_419	418004.36	3748784.70	69.78	0.00	69.78	
PERIOD		0.08202	ug/m^3	UN_420	418004.36	3748809.70	69.84	0.00	69.84	
PERIOD		0.08682	ug/m^3	UN_421	418004.36	3748834.70	69.93	0.00	69.93	
PERIOD		0.09173	ug/m^3	UN_422	418004.36	3748859.70	70.21	0.00	70.21	
PERIOD		0.09666	ug/m^3	UN_423	418004.36	3748884.70	70.75	0.00	70.75	
PERIOD		0.10187	ug/m^3	UN_424	418004.36	3748909.70	71.05	0.00	71.05	
PERIOD		0.10727	ug/m^3	UN_425	418004.36	3748934.70	71.14	0.00	71.14	

Sensitive Receptor Summary

Troy High School Improvements Project
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Concentration - Source Group: ONSITE

Averaging Period	Rank	Peak	Units	Receptor ID	X (m)	Y (m)	ZELEV (m)	ZFLAG (m)	ZHILL (m)	Peak Date, Start Hour
PERIOD		0.11280	ug/m^3	UN_426	418004.36	3748959.70	71.07	0.00	71.07	
PERIOD		0.11822	ug/m^3	UN_427	418004.36	3748984.70	71.02	0.00	71.02	
PERIOD		0.12331	ug/m^3	UN_428	418004.36	3749009.70	71.16	0.00	71.16	
PERIOD		0.12790	ug/m^3	UN_429	418004.36	3749034.70	71.59	0.00	71.59	
PERIOD		0.13102	ug/m^3	UN_430	418004.36	3749059.70	71.99	0.00	71.99	
PERIOD		0.13483	ug/m^3	UN_431	418004.36	3749084.70	72.32	0.00	72.32	
PERIOD		0.13840	ug/m^3	UN_432	418004.36	3749109.70	72.29	0.00	72.29	
PERIOD		0.14162	ug/m^3	UN_433	418004.36	3749134.70	71.97	0.00	71.97	
PERIOD		0.14459	ug/m^3	UN_434	418004.36	3749159.70	71.72	0.00	71.72	
PERIOD		0.14526	ug/m^3	UN_435	418004.36	3749184.70	72.41	0.00	72.41	
PERIOD		0.14589	ug/m^3	UN_436	418004.36	3749209.70	73.06	0.00	73.06	
PERIOD		0.14639	ug/m^3	UN_437	418004.36	3749234.70	73.38	0.00	73.38	
PERIOD		0.14680	ug/m^3	UN_438	418004.36	3749259.70	73.41	0.00	73.41	
PERIOD		0.14704	ug/m^3	UN_439	418004.36	3749284.70	73.36	0.00	73.36	
PERIOD		0.14714	ug/m^3	UN_440	418004.36	3749309.70	73.29	0.00	73.29	
PERIOD		0.14688	ug/m^3	UN_441	418004.36	3749334.70	73.51	0.00	73.51	
PERIOD		0.14641	ug/m^3	UN_442	418004.36	3749359.70	73.90	0.00	73.90	
PERIOD		0.14591	ug/m^3	UN_443	418004.36	3749384.70	74.31	0.00	74.31	
PERIOD		0.14555	ug/m^3	UN_444	418004.36	3749409.70	74.59	0.00	74.59	
PERIOD		0.14543	ug/m^3	UN_445	418004.36	3749434.70	74.61	0.00	74.61	

Sensitive Receptor Summary

Troy High School Improvements Project
Construction HRA

Concentration - Source Group: ONSITE

Averaging Period	Rank	Peak	Units	Receptor ID	X (m)	Y (m)	ZELEV (m)	ZFLAG (m)	ZHILL (m)	Peak Date, Start Hour
PERIOD		0.14476	ug/m^3	UN_446	418004.36	3749459.70	75.21	0.00	75.21	
PERIOD		0.14424	ug/m^3	UN_447	418004.36	3749484.70	75.63	0.00	75.63	
PERIOD		0.14380	ug/m^3	UN_448	418004.36	3749509.70	75.90	0.00	75.90	
PERIOD		0.14339	ug/m^3	UN_449	418004.36	3749534.70	76.05	0.00	76.05	
PERIOD		0.14300	ug/m^3	UN_450	418004.36	3749559.70	76.06	0.00	76.06	
PERIOD		0.14269	ug/m^3	UN_451	418004.36	3749584.70	75.85	0.00	75.85	
PERIOD		0.04790	ug/m^3	UN_452	418029.36	3748584.70	68.82	0.00	68.82	
PERIOD		0.05039	ug/m^3	UN_453	418029.36	3748609.70	69.30	0.00	69.30	
PERIOD		0.05313	ug/m^3	UN_454	418029.36	3748634.70	69.33	0.00	69.33	
PERIOD		0.05606	ug/m^3	UN_455	418029.36	3748659.70	69.35	0.00	69.35	
PERIOD		0.05916	ug/m^3	UN_456	418029.36	3748684.70	69.37	0.00	69.37	
PERIOD		0.06241	ug/m^3	UN_457	418029.36	3748709.70	69.60	0.00	69.60	
PERIOD		0.06582	ug/m^3	UN_458	418029.36	3748734.70	69.89	0.00	69.89	
PERIOD		0.06948	ug/m^3	UN_459	418029.36	3748759.70	69.96	0.00	69.96	
PERIOD		0.07336	ug/m^3	UN_460	418029.36	3748784.70	69.94	0.00	69.94	
PERIOD		0.07741	ug/m^3	UN_461	418029.36	3748809.70	69.98	0.00	69.98	
PERIOD		0.08163	ug/m^3	UN_462	418029.36	3748834.70	70.07	0.00	70.07	
PERIOD		0.08593	ug/m^3	UN_463	418029.36	3748859.70	70.32	0.00	70.32	
PERIOD		0.09027	ug/m^3	UN_464	418029.36	3748884.70	70.73	0.00	70.73	
PERIOD		0.09480	ug/m^3	UN_465	418029.36	3748909.70	70.97	0.00	70.97	

Sensitive Receptor Summary

Troy High School Improvements Project
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Concentration - Source Group: ONSITE

Averaging Period	Rank	Peak	Units	Receptor ID	X (m)	Y (m)	ZELEV (m)	ZFLAG (m)	ZHILL (m)	Peak Date, Start Hour
PERIOD		0.09942	ug/m^3	UN_466	418029.36	3748934.70	71.14	0.00	71.14	
PERIOD		0.10413	ug/m^3	UN_467	418029.36	3748959.70	71.13	0.00	71.13	
PERIOD		0.10875	ug/m^3	UN_468	418029.36	3748984.70	71.12	0.00	71.12	
PERIOD		0.11308	ug/m^3	UN_469	418029.36	3749009.70	71.30	0.00	71.30	
PERIOD		0.11695	ug/m^3	UN_470	418029.36	3749034.70	71.77	0.00	71.77	
PERIOD		0.11950	ug/m^3	UN_471	418029.36	3749059.70	72.20	0.00	72.20	
PERIOD		0.12278	ug/m^3	UN_472	418029.36	3749084.70	72.51	0.00	72.51	
PERIOD		0.12595	ug/m^3	UN_473	418029.36	3749109.70	72.35	0.00	72.35	
PERIOD		0.12935	ug/m^3	UN_474	418029.36	3749134.70	71.94	0.00	71.94	
PERIOD		0.13122	ug/m^3	UN_475	418029.36	3749159.70	71.92	0.00	71.92	
PERIOD		0.13175	ug/m^3	UN_476	418029.36	3749184.70	72.65	0.00	72.65	
PERIOD		0.13241	ug/m^3	UN_477	418029.36	3749209.70	73.13	0.00	73.13	
PERIOD		0.13287	ug/m^3	UN_478	418029.36	3749234.70	73.37	0.00	73.37	
PERIOD		0.13314	ug/m^3	UN_479	418029.36	3749259.70	73.44	0.00	73.44	
PERIOD		0.13325	ug/m^3	UN_480	418029.36	3749284.70	73.43	0.00	73.43	
PERIOD		0.13326	ug/m^3	UN_481	418029.36	3749309.70	73.34	0.00	73.34	
PERIOD		0.13292	ug/m^3	UN_482	418029.36	3749334.70	73.59	0.00	73.59	
PERIOD		0.13256	ug/m^3	UN_483	418029.36	3749359.70	73.81	0.00	73.81	
PERIOD		0.13225	ug/m^3	UN_484	418029.36	3749384.70	73.96	0.00	73.96	
PERIOD		0.13196	ug/m^3	UN_485	418029.36	3749409.70	74.12	0.00	74.12	

Sensitive Receptor Summary

Troy High School Improvements Project
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Averaging Period	Rank	Peak	Units	Receptor ID	X (m)	Y (m)	ZELEV (m)	ZFLAG (m)	ZHILL (m)	Peak Date, Start Hour
PERIOD		0.13149	ug/m^3	UN_486	418029.36	3749434.70	74.55	0.00	74.55	
PERIOD		0.13077	ug/m^3	UN_487	418029.36	3749459.70	75.34	0.00	75.34	
PERIOD		0.13015	ug/m^3	UN_488	418029.36	3749484.70	76.01	0.00	76.01	
PERIOD		0.12972	ug/m^3	UN_489	418029.36	3749509.70	76.45	0.00	76.45	
PERIOD		0.12948	ug/m^3	UN_490	418029.36	3749534.70	76.63	0.00	76.63	
PERIOD		0.12936	ug/m^3	UN_491	418029.36	3749559.70	76.57	0.00	76.57	
PERIOD		0.12944	ug/m^3	UN_492	418029.36	3749584.70	76.14	0.00	76.14	
PERIOD		0.04651	ug/m^3	UN_493	418054.36	3748584.70	68.89	0.00	68.89	
PERIOD		0.04881	ug/m^3	UN_494	418054.36	3748609.70	69.38	0.00	69.38	
PERIOD		0.05135	ug/m^3	UN_495	418054.36	3748634.70	69.35	0.00	69.35	
PERIOD		0.05403	ug/m^3	UN_496	418054.36	3748659.70	69.36	0.00	69.36	
PERIOD		0.05687	ug/m^3	UN_497	418054.36	3748684.70	69.35	0.00	69.35	
PERIOD		0.05984	ug/m^3	UN_498	418054.36	3748709.70	69.45	0.00	69.45	
PERIOD		0.06294	ug/m^3	UN_499	418054.36	3748734.70	69.65	0.00	69.65	
PERIOD		0.06620	ug/m^3	UN_500	418054.36	3748759.70	69.80	0.00	69.80	
PERIOD		0.06963	ug/m^3	UN_501	418054.36	3748784.70	69.85	0.00	69.85	
PERIOD		0.07323	ug/m^3	UN_502	418054.36	3748809.70	69.90	0.00	69.90	
PERIOD		0.07693	ug/m^3	UN_503	418054.36	3748834.70	70.04	0.00	70.04	
PERIOD		0.08069	ug/m^3	UN_504	418054.36	3748859.70	70.30	0.00	70.30	
PERIOD		0.08453	ug/m^3	UN_505	418054.36	3748884.70	70.61	0.00	70.61	

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Averaging Period	Rank	Peak	Units	Receptor ID	X (m)	Y (m)	ZELEV (m)	ZFLAG (m)	ZHILL (m)	Peak Date, Start Hour
PERIOD		0.08850	ug/m^3	UN_506	418054.36	3748909.70	70.79	0.00	70.79	
PERIOD		0.09249	ug/m^3	UN_507	418054.36	3748934.70	70.99	0.00	70.99	
PERIOD		0.09652	ug/m^3	UN_508	418054.36	3748959.70	71.06	0.00	71.06	
PERIOD		0.10045	ug/m^3	UN_509	418054.36	3748984.70	71.16	0.00	71.16	
PERIOD		0.10413	ug/m^3	UN_510	418054.36	3749009.70	71.43	0.00	71.43	
PERIOD		0.10745	ug/m^3	UN_511	418054.36	3749034.70	71.91	0.00	71.91	
PERIOD		0.10955	ug/m^3	UN_512	418054.36	3749059.70	72.33	0.00	72.33	
PERIOD		0.11244	ug/m^3	UN_513	418054.36	3749084.70	72.55	0.00	72.55	
PERIOD		0.11509	ug/m^3	UN_514	418054.36	3749109.70	72.55	0.00	72.55	
PERIOD		0.11736	ug/m^3	UN_515	418054.36	3749134.70	72.46	0.00	72.46	
PERIOD		0.11907	ug/m^3	UN_516	418054.36	3749159.70	72.52	0.00	72.52	
PERIOD		0.12017	ug/m^3	UN_517	418054.36	3749184.70	72.82	0.00	72.82	
PERIOD		0.12085	ug/m^3	UN_518	418054.36	3749209.70	73.15	0.00	73.15	
PERIOD		0.12126	ug/m^3	UN_519	418054.36	3749234.70	73.36	0.00	73.36	
PERIOD		0.12146	ug/m^3	UN_520	418054.36	3749259.70	73.44	0.00	73.44	
PERIOD		0.12149	ug/m^3	UN_521	418054.36	3749284.70	73.44	0.00	73.44	
PERIOD		0.12142	ug/m^3	UN_522	418054.36	3749309.70	73.36	0.00	73.36	
PERIOD		0.12107	ug/m^3	UN_523	418054.36	3749334.70	73.56	0.00	73.56	
PERIOD		0.12081	ug/m^3	UN_524	418054.36	3749359.70	73.59	0.00	73.59	
PERIOD		0.12056	ug/m^3	UN_525	418054.36	3749384.70	73.60	0.00	73.60	

Sensitive Receptor Summary

Troy High School Improvements Project
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Concentration - Source Group: ONSITE

Averaging Period	Rank	Peak	Units	Receptor ID	X (m)	Y (m)	ZELEV (m)	ZFLAG (m)	ZHILL (m)	Peak Date, Start Hour
PERIOD		0.12018	ug/m^3	UN_526	418054.36	3749409.70	73.82	0.00	73.82	
PERIOD		0.11949	ug/m^3	UN_527	418054.36	3749434.70	74.55	0.00	74.55	
PERIOD		0.11874	ug/m^3	UN_528	418054.36	3749459.70	75.45	0.00	75.45	
PERIOD		0.11815	ug/m^3	UN_529	418054.36	3749484.70	76.18	0.00	76.18	
PERIOD		0.11780	ug/m^3	UN_530	418054.36	3749509.70	76.62	0.00	76.62	
PERIOD		0.11767	ug/m^3	UN_531	418054.36	3749534.70	76.77	0.00	76.77	
PERIOD		0.11765	ug/m^3	UN_532	418054.36	3749559.70	76.72	0.00	76.72	
PERIOD		0.11784	ug/m^3	UN_533	418054.36	3749584.70	76.31	0.00	76.31	
PERIOD		1.95545	ug/m^3	HS_001	417640.29	3749034.63	70.57	0.00	70.57	
PERIOD		2.38227	ug/m^3	HS_002	417640.29	3749059.63	70.69	0.00	70.69	
PERIOD		2.71464	ug/m^3	HS_003	417640.29	3749084.63	70.69	0.00	70.69	
PERIOD		2.98539	ug/m^3	HS_004	417640.29	3749109.63	70.66	0.00	70.66	
PERIOD		3.17640	ug/m^3	HS_005	417640.29	3749134.63	70.70	0.00	70.70	
PERIOD		3.25038	ug/m^3	HS_006	417640.29	3749159.63	70.86	0.00	70.86	
PERIOD		3.21590	ug/m^3	HS_007	417640.29	3749184.63	71.26	0.00	71.26	
PERIOD		2.91726	ug/m^3	HS_008	417640.29	3749209.63	71.53	0.00	71.53	
PERIOD		2.37642	ug/m^3	HS_009	417640.29	3749234.63	71.65	0.00	71.65	
PERIOD		1.96880	ug/m^3	HS_010	417640.29	3749259.63	71.66	0.00	71.66	
PERIOD		1.68021	ug/m^3	HS_011	417640.29	3749284.63	71.59	0.00	71.59	
PERIOD		1.45937	ug/m^3	HS_012	417640.29	3749309.63	71.82	0.00	71.82	

Sensitive Receptor Summary

Troy High School Improvements Project
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Concentration - Source Group: ONSITE

Averaging Period	Rank	Peak	Units	Receptor ID	X (m)	Y (m)	ZELEV (m)	ZFLAG (m)	ZHILL (m)	Peak Date, Start Hour
PERIOD		1.29016	ug/m^3	HS_013	417640.29	3749334.63	71.85	0.00	71.85	
PERIOD		1.15532	ug/m^3	HS_014	417640.29	3749359.63	71.85	0.00	71.85	
PERIOD		1.17485	ug/m^3	HS_015	417665.29	3749034.63	70.69	0.00	70.69	
PERIOD		1.41921	ug/m^3	HS_016	417665.29	3749059.63	70.87	0.00	70.87	
PERIOD		1.63882	ug/m^3	HS_017	417665.29	3749084.63	70.90	0.00	70.90	
PERIOD		1.80420	ug/m^3	HS_018	417665.29	3749109.63	70.86	0.00	70.86	
PERIOD		1.91873	ug/m^3	HS_019	417665.29	3749134.63	70.86	0.00	70.86	
PERIOD		1.98720	ug/m^3	HS_020	417665.29	3749159.63	71.04	0.00	71.04	
PERIOD		1.98785	ug/m^3	HS_021	417665.29	3749184.63	71.35	0.00	71.35	
PERIOD		1.90660	ug/m^3	HS_022	417665.29	3749209.63	71.55	0.00	71.55	
PERIOD		1.74898	ug/m^3	HS_023	417665.29	3749234.63	71.71	0.00	71.71	
PERIOD		1.55922	ug/m^3	HS_024	417665.29	3749259.63	71.90	0.00	71.90	
PERIOD		1.38807	ug/m^3	HS_025	417665.29	3749284.63	72.06	0.00	72.06	
PERIOD		1.24145	ug/m^3	HS_026	417665.29	3749309.63	72.29	0.00	72.29	
PERIOD		1.12099	ug/m^3	HS_027	417665.29	3749334.63	72.11	0.00	72.11	
PERIOD		1.01832	ug/m^3	HS_028	417665.29	3749359.63	71.96	0.00	71.96	
PERIOD		0.84202	ug/m^3	HS_029	417690.29	3749034.63	70.56	0.00	70.56	
PERIOD		0.97865	ug/m^3	HS_030	417690.29	3749059.63	70.76	0.00	70.76	
PERIOD		1.11147	ug/m^3	HS_031	417690.29	3749084.63	70.83	0.00	70.83	
PERIOD		1.22236	ug/m^3	HS_032	417690.29	3749109.63	70.83	0.00	70.83	

Sensitive Receptor Summary

Troy High School Improvements Project
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Averaging Period	Rank	Peak	Units	Receptor ID	X (m)	Y (m)	ZELEV (m)	ZFLAG (m)	ZHILL (m)	Peak Date, Start Hour
PERIOD		1.30295	ug/m^3	HS_033	417690.29	3749134.63	70.84	0.00	70.84	
PERIOD		1.35047	ug/m^3	HS_034	417690.29	3749159.63	71.03	0.00	71.03	
PERIOD		1.36414	ug/m^3	HS_035	417690.29	3749184.63	71.26	0.00	71.26	
PERIOD		1.34336	ug/m^3	HS_036	417690.29	3749209.63	71.42	0.00	71.42	
PERIOD		1.29005	ug/m^3	HS_037	417690.29	3749234.63	71.62	0.00	71.62	
PERIOD		1.21101	ug/m^3	HS_038	417690.29	3749259.63	71.94	0.00	71.94	
PERIOD		1.12212	ug/m^3	HS_039	417690.29	3749284.63	72.30	0.00	72.30	
PERIOD		1.03799	ug/m^3	HS_040	417690.29	3749309.63	72.30	0.00	72.30	
PERIOD		0.95957	ug/m^3	HS_041	417690.29	3749334.63	72.06	0.00	72.06	
PERIOD		0.88598	ug/m^3	HS_042	417690.29	3749359.63	72.01	0.00	72.01	
PERIOD		3.29061	ug/m^3	HS_043	417284.42	3749355.15	69.18	0.00	69.18	
PERIOD		4.27109	ug/m^3	HS_044	417309.42	3749355.15	69.26	0.00	69.26	
PERIOD		4.81932	ug/m^3	HS_045	417334.42	3749355.15	69.40	0.00	69.40	
PERIOD		5.25360	ug/m^3	HS_046	417359.42	3749355.15	69.64	0.00	69.64	
PERIOD		5.32953	ug/m^3	HS_047	417384.42	3749355.15	69.79	0.00	69.79	
PERIOD		5.01157	ug/m^3	HS_048	417409.42	3749355.15	69.86	0.00	69.86	
PERIOD		4.68836	ug/m^3	HS_049	417434.42	3749355.15	70.01	0.00	70.01	
PERIOD		4.20760	ug/m^3	HS_050	417459.42	3749355.15	70.17	0.00	70.17	
PERIOD		6.01221	ug/m^3	HS_051	417484.42	3749230.15	69.90	0.00	69.90	
PERIOD		5.01577	ug/m^3	HS_052	417484.42	3749255.15	70.07	0.00	70.07	

Sensitive Receptor Summary

Troy High School Improvements Project
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Averaging Period	Rank	Peak	Units	Receptor ID	X (m)	Y (m)	ZELEV (m)	ZFLAG (m)	ZHILL (m)	Peak Date, Start Hour
PERIOD		4.52066	ug/m^3	HS_053	417484.42	3749280.15	70.25	0.00	70.25	
PERIOD		4.28669	ug/m^3	HS_054	417484.42	3749305.15	70.19	0.00	70.19	
PERIOD		4.01287	ug/m^3	HS_055	417484.42	3749330.15	70.14	0.00	70.14	
PERIOD		3.32285	ug/m^3	HS_056	417484.42	3749355.15	70.25	0.00	70.25	
PERIOD		7.02563	ug/m^3	HS_057	417509.42	3749180.15	69.74	0.00	69.74	
PERIOD		5.86401	ug/m^3	HS_058	417509.42	3749205.15	69.84	0.00	69.84	
PERIOD		4.71404	ug/m^3	HS_059	417509.42	3749230.15	69.95	0.00	69.95	
PERIOD		3.92756	ug/m^3	HS_060	417509.42	3749255.15	70.03	0.00	70.03	
PERIOD		3.43314	ug/m^3	HS_061	417509.42	3749280.15	70.14	0.00	70.14	
PERIOD		3.10455	ug/m^3	HS_062	417509.42	3749305.15	70.03	0.00	70.03	
PERIOD		2.81821	ug/m^3	HS_063	417509.42	3749330.15	70.08	0.00	70.08	
PERIOD		2.50269	ug/m^3	HS_064	417509.42	3749355.15	70.34	0.00	70.34	
PERIOD		4.57487	ug/m^3	HS_065	417534.42	3749230.15	70.20	0.00	70.20	
PERIOD		3.44815	ug/m^3	HS_066	417534.42	3749255.15	70.22	0.00	70.22	
PERIOD		2.89104	ug/m^3	HS_067	417534.42	3749280.15	70.16	0.00	70.16	
PERIOD		2.53582	ug/m^3	HS_068	417534.42	3749305.15	70.01	0.00	70.01	
PERIOD		2.25949	ug/m^3	HS_069	417534.42	3749330.15	70.12	0.00	70.12	
PERIOD		2.01665	ug/m^3	HS_070	417534.42	3749355.15	70.50	0.00	70.50	
PERIOD		6.09338	ug/m^3	HS_071	417559.42	3749205.15	70.51	0.00	70.51	
PERIOD		4.22943	ug/m^3	HS_072	417559.42	3749230.15	70.75	0.00	70.75	

Sensitive Receptor Summary

Troy High School Improvements Project
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Concentration - Source Group: ONSITE

Averaging Period	Rank	Peak	Units	Receptor ID	X (m)	Y (m)	ZELEV (m)	ZFLAG (m)	ZHILL (m)	Peak Date, Start Hour
PERIOD		3.17453	ug/m^3	HS_073	417559.42	3749255.15	70.72	0.00	70.72	
PERIOD		2.58377	ug/m^3	HS_074	417559.42	3749280.15	70.45	0.00	70.45	
PERIOD		2.21481	ug/m^3	HS_075	417559.42	3749305.15	70.26	0.00	70.26	
PERIOD		1.94494	ug/m^3	HS_076	417559.42	3749330.15	70.34	0.00	70.34	
PERIOD		1.72823	ug/m^3	HS_077	417559.42	3749355.15	70.68	0.00	70.68	
PERIOD		5.58112	ug/m^3	HS_078	417584.42	3749205.15	70.71	0.00	70.71	
PERIOD		3.78844	ug/m^3	HS_079	417584.42	3749230.15	70.96	0.00	70.96	
PERIOD		2.88345	ug/m^3	HS_080	417584.42	3749255.15	70.89	0.00	70.89	
PERIOD		2.34133	ug/m^3	HS_081	417584.42	3749280.15	70.64	0.00	70.64	
PERIOD		1.98302	ug/m^3	HS_082	417584.42	3749305.15	70.54	0.00	70.54	
PERIOD		1.72546	ug/m^3	HS_083	417584.42	3749330.15	70.62	0.00	70.62	
PERIOD		1.52729	ug/m^3	HS_084	417584.42	3749355.15	70.84	0.00	70.84	
PERIOD		4.85932	ug/m^3	HS_085	417609.42	3749205.15	70.93	0.00	70.93	
PERIOD		3.30510	ug/m^3	HS_086	417609.42	3749230.15	71.14	0.00	71.14	
PERIOD		2.55509	ug/m^3	HS_087	417609.42	3749255.15	71.08	0.00	71.08	
PERIOD		2.08871	ug/m^3	HS_088	417609.42	3749280.15	70.93	0.00	70.93	
PERIOD		1.77147	ug/m^3	HS_089	417609.42	3749305.15	70.93	0.00	70.93	
PERIOD		1.54029	ug/m^3	HS_090	417609.42	3749330.15	71.02	0.00	71.02	
PERIOD		1.36287	ug/m^3	HS_091	417609.42	3749355.15	71.20	0.00	71.20	
PERIOD		4.09139	ug/m^3	HS_092	417218.89	3749228.84	67.76	0.00	67.76	

Sensitive Receptor Summary

Troy High School Improvements Project
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Averaging Period	Rank	Peak	Units	Receptor ID	X (m)	Y (m)	ZELEV (m)	ZFLAG (m)	ZHILL (m)	Peak Date, Start Hour
PERIOD		3.16938	ug/m^3	HS_093	417218.89	3749248.84	67.94	0.00	67.94	
PERIOD		2.59231	ug/m^3	HS_094	417218.89	3749268.84	68.12	0.00	68.12	
PERIOD		5.61226	ug/m^3	HS_095	417238.89	3749228.84	68.13	0.00	68.13	
PERIOD		4.49966	ug/m^3	HS_096	417238.89	3749248.84	68.21	0.00	68.21	
PERIOD		3.60223	ug/m^3	HS_097	417238.89	3749268.84	68.35	0.00	68.35	
PERIOD		3.06776	ug/m^3	HS_098	417238.89	3749288.84	68.52	0.00	68.52	
PERIOD		2.60880	ug/m^3	HS_099	417238.89	3749308.84	68.68	0.00	68.68	
PERIOD		2.07389	ug/m^3	HS_100	417238.89	3749328.84	68.73	0.00	68.73	
PERIOD		1.53329	ug/m^3	HS_101	417238.89	3749348.84	68.70	0.00	68.70	
PERIOD		0.08923	ug/m^3	R_001	416937.81	3748732.27	62.31	0.00	62.31	
PERIOD		0.10132	ug/m^3	R_002	416937.81	3748757.27	62.48	0.00	62.48	
PERIOD		0.11598	ug/m^3	R_003	416937.81	3748782.27	62.72	0.00	62.72	
PERIOD		0.13364	ug/m^3	R_004	416937.81	3748807.27	62.95	0.00	62.95	
PERIOD		0.15502	ug/m^3	R_005	416937.81	3748832.27	63.15	0.00	63.15	
PERIOD		0.18049	ug/m^3	R_006	416937.81	3748857.27	63.34	0.00	63.34	
PERIOD		0.21052	ug/m^3	R_007	416937.81	3748882.27	63.54	0.00	63.54	
PERIOD		0.24518	ug/m^3	R_008	416937.81	3748907.27	63.62	0.00	63.62	
PERIOD		0.28399	ug/m^3	R_009	416937.81	3748932.27	63.80	0.00	63.80	
PERIOD		0.32578	ug/m^3	R_010	416937.81	3748957.27	64.16	0.00	64.16	
PERIOD		0.36845	ug/m^3	R_011	416937.81	3748982.27	64.45	0.00	64.45	

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Averaging Period	Rank	Peak	Units	Receptor ID	X (m)	Y (m)	ZELEV (m)	ZFLAG (m)	ZHILL (m)	Peak Date, Start Hour
PERIOD		0.40908	ug/m^3	R_012	416937.81	3749007.27	64.71	0.00	64.71	
PERIOD		0.44490	ug/m^3	R_013	416937.81	3749032.27	64.96	0.00	64.96	
PERIOD		0.47301	ug/m^3	R_014	416937.81	3749057.27	65.15	0.00	65.15	
PERIOD		0.49133	ug/m^3	R_015	416937.81	3749082.27	65.27	0.00	65.27	
PERIOD		0.49889	ug/m^3	R_016	416937.81	3749107.27	65.31	0.00	65.31	
PERIOD		0.49564	ug/m^3	R_017	416937.81	3749132.27	65.30	0.00	65.30	
PERIOD		0.48221	ug/m^3	R_018	416937.81	3749157.27	65.05	0.00	65.05	
PERIOD		0.46039	ug/m^3	R_019	416937.81	3749182.27	64.94	0.00	64.94	
PERIOD		0.43164	ug/m^3	R_020	416937.81	3749207.27	64.43	0.00	64.43	
PERIOD		0.39767	ug/m^3	R_021	416937.81	3749232.27	63.33	0.00	63.33	
PERIOD		0.36298	ug/m^3	R_022	416937.81	3749257.27	64.66	0.00	64.66	
PERIOD		0.32646	ug/m^3	R_023	416937.81	3749282.27	65.82	0.00	65.82	
PERIOD		0.28995	ug/m^3	R_024	416937.81	3749307.27	66.40	0.00	66.40	
PERIOD		0.25496	ug/m^3	R_025	416937.81	3749332.27	66.42	0.00	66.42	
PERIOD		0.22255	ug/m^3	R_026	416937.81	3749357.27	66.21	0.00	66.21	
PERIOD		0.09027	ug/m^3	R_027	416962.81	3748732.27	62.53	0.00	62.53	
PERIOD		0.10251	ug/m^3	R_028	416962.81	3748757.27	62.80	0.00	62.80	
PERIOD		0.11743	ug/m^3	R_029	416962.81	3748782.27	63.09	0.00	63.09	
PERIOD		0.13566	ug/m^3	R_030	416962.81	3748807.27	63.34	0.00	63.34	
PERIOD		0.15787	ug/m^3	R_031	416962.81	3748832.27	63.54	0.00	63.54	

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Averaging Period	Rank	Peak	Units	Receptor ID	X (m)	Y (m)	ZELEV (m)	ZFLAG (m)	ZHILL (m)	Peak Date, Start Hour
PERIOD		0.18481	ug/m^3	R_032	416962.81	3748857.27	63.71	0.00	63.71	
PERIOD		0.21718	ug/m^3	R_033	416962.81	3748882.27	63.89	0.00	63.89	
PERIOD		0.25533	ug/m^3	R_034	416962.81	3748907.27	63.90	0.00	63.90	
PERIOD		0.29906	ug/m^3	R_035	416962.81	3748932.27	64.08	0.00	64.08	
PERIOD		0.34725	ug/m^3	R_036	416962.81	3748957.27	64.52	0.00	64.52	
PERIOD		0.39735	ug/m^3	R_037	416962.81	3748982.27	64.84	0.00	64.84	
PERIOD		0.44573	ug/m^3	R_038	416962.81	3749007.27	65.05	0.00	65.05	
PERIOD		0.48891	ug/m^3	R_039	416962.81	3749032.27	65.27	0.00	65.27	
PERIOD		0.52303	ug/m^3	R_040	416962.81	3749057.27	65.45	0.00	65.45	
PERIOD		0.54551	ug/m^3	R_041	416962.81	3749082.27	65.58	0.00	65.58	
PERIOD		0.55514	ug/m^3	R_042	416962.81	3749107.27	65.67	0.00	65.67	
PERIOD		0.55194	ug/m^3	R_043	416962.81	3749132.27	65.81	0.00	65.81	
PERIOD		0.53670	ug/m^3	R_044	416962.81	3749157.27	65.68	0.00	65.68	
PERIOD		0.51144	ug/m^3	R_045	416962.81	3749182.27	65.64	0.00	65.64	
PERIOD		0.47802	ug/m^3	R_046	416962.81	3749207.27	64.93	0.00	64.93	
PERIOD		0.43839	ug/m^3	R_047	416962.81	3749232.27	63.36	0.00	63.36	
PERIOD		0.39855	ug/m^3	R_048	416962.81	3749257.27	64.59	0.00	64.59	
PERIOD		0.35701	ug/m^3	R_049	416962.81	3749282.27	66.10	0.00	66.10	
PERIOD		0.31552	ug/m^3	R_050	416962.81	3749307.27	66.82	0.00	66.82	
PERIOD		0.27596	ug/m^3	R_051	416962.81	3749332.27	66.75	0.00	66.75	

Sensitive Receptor Summary

Troy High School Improvements Project
Construction HRA

Concentration - Source Group: ONSITE

Averaging Period	Rank	Peak	Units	Receptor ID	X (m)	Y (m)	ZELEV (m)	ZFLAG (m)	ZHILL (m)	Peak Date, Start Hour
PERIOD		0.23954	ug/m^3	R_052	416962.81	3749357.27	66.42	0.00	66.42	
PERIOD		0.09153	ug/m^3	R_053	416987.81	3748732.27	62.67	0.00	62.67	
PERIOD		0.10390	ug/m^3	R_054	416987.81	3748757.27	62.94	0.00	62.94	
PERIOD		0.11912	ug/m^3	R_055	416987.81	3748782.27	63.23	0.00	63.23	
PERIOD		0.13778	ug/m^3	R_056	416987.81	3748807.27	63.46	0.00	63.46	
PERIOD		0.16072	ug/m^3	R_057	416987.81	3748832.27	63.63	0.00	63.63	
PERIOD		0.18907	ug/m^3	R_058	416987.81	3748857.27	63.79	0.00	63.79	
PERIOD		0.22379	ug/m^3	R_059	416987.81	3748882.27	63.94	0.00	63.94	
PERIOD		0.26561	ug/m^3	R_060	416987.81	3748907.27	63.94	0.00	63.94	
PERIOD		0.31483	ug/m^3	R_061	416987.81	3748932.27	64.11	0.00	64.11	
PERIOD		0.37043	ug/m^3	R_062	416987.81	3748957.27	64.52	0.00	64.52	
PERIOD		0.42968	ug/m^3	R_063	416987.81	3748982.27	64.82	0.00	64.82	
PERIOD		0.48779	ug/m^3	R_064	416987.81	3749007.27	64.97	0.00	64.97	
PERIOD		0.54027	ug/m^3	R_065	416987.81	3749032.27	65.14	0.00	65.14	
PERIOD		0.58203	ug/m^3	R_066	416987.81	3749057.27	65.30	0.00	65.30	
PERIOD		0.60972	ug/m^3	R_067	416987.81	3749082.27	65.44	0.00	65.44	
PERIOD		0.62201	ug/m^3	R_068	416987.81	3749107.27	65.58	0.00	65.58	
PERIOD		0.61880	ug/m^3	R_069	416987.81	3749132.27	65.73	0.00	65.73	
PERIOD		0.60130	ug/m^3	R_070	416987.81	3749157.27	65.74	0.00	65.74	
PERIOD		0.57191	ug/m^3	R_071	416987.81	3749182.27	65.85	0.00	65.85	

Sensitive Receptor Summary

Troy High School Improvements Project
Construction HRA

Concentration - Source Group: ONSITE

Averaging Period	Rank	Peak	Units	Receptor ID	X (m)	Y (m)	ZELEV (m)	ZFLAG (m)	ZHILL (m)	Peak Date, Start Hour
PERIOD		0.53301	ug/m^3	R_072	416987.81	3749207.27	65.34	0.00	65.34	
PERIOD		0.48730	ug/m^3	R_073	416987.81	3749232.27	63.92	0.00	63.92	
PERIOD		0.44004	ug/m^3	R_074	416987.81	3749257.27	63.97	0.00	63.97	
PERIOD		0.39286	ug/m^3	R_075	416987.81	3749282.27	65.75	0.00	65.75	
PERIOD		0.34549	ug/m^3	R_076	416987.81	3749307.27	66.45	0.00	66.45	
PERIOD		0.30050	ug/m^3	R_077	416987.81	3749332.27	66.34	0.00	66.34	
PERIOD		0.25937	ug/m^3	R_078	416987.81	3749357.27	66.23	0.00	66.23	
PERIOD		0.09311	ug/m^3	R_079	417012.81	3748732.27	62.93	0.00	62.93	
PERIOD		0.10563	ug/m^3	R_080	417012.81	3748757.27	63.00	0.00	63.00	
PERIOD		0.12106	ug/m^3	R_081	417012.81	3748782.27	63.15	0.00	63.15	
PERIOD		0.14008	ug/m^3	R_082	417012.81	3748807.27	63.33	0.00	63.33	
PERIOD		0.16375	ug/m^3	R_083	417012.81	3748832.27	63.49	0.00	63.49	
PERIOD		0.19328	ug/m^3	R_084	417012.81	3748857.27	63.65	0.00	63.65	
PERIOD		0.23027	ug/m^3	R_085	417012.81	3748882.27	63.82	0.00	63.82	
PERIOD		0.27603	ug/m^3	R_086	417012.81	3748907.27	63.93	0.00	63.93	
PERIOD		0.33133	ug/m^3	R_087	417012.81	3748932.27	64.15	0.00	64.15	
PERIOD		0.39576	ug/m^3	R_088	417012.81	3748957.27	64.50	0.00	64.50	
PERIOD		0.46636	ug/m^3	R_089	417012.81	3748982.27	64.78	0.00	64.78	
PERIOD		0.53714	ug/m^3	R_090	417012.81	3749007.27	64.93	0.00	64.93	
PERIOD		0.60168	ug/m^3	R_091	417012.81	3749032.27	65.10	0.00	65.10	

Sensitive Receptor Summary

Troy High School Improvements Project
Construction HRA

Concentration - Source Group: ONSITE

Averaging Period	Rank	Peak	Units	Receptor ID	X (m)	Y (m)	ZELEV (m)	ZFLAG (m)	ZHILL (m)	Peak Date, Start Hour
PERIOD		0.65337	ug/m^3	R_092	417012.81	3749057.27	65.26	0.00	65.26	
PERIOD		0.68773	ug/m^3	R_093	417012.81	3749082.27	65.41	0.00	65.41	
PERIOD		0.70326	ug/m^3	R_094	417012.81	3749107.27	65.55	0.00	65.55	
PERIOD		0.70001	ug/m^3	R_095	417012.81	3749132.27	65.68	0.00	65.68	
PERIOD		0.67968	ug/m^3	R_096	417012.81	3749157.27	65.78	0.00	65.78	
PERIOD		0.64491	ug/m^3	R_097	417012.81	3749182.27	65.95	0.00	65.95	
PERIOD		0.59938	ug/m^3	R_098	417012.81	3749207.27	65.82	0.00	65.82	
PERIOD		0.54656	ug/m^3	R_099	417012.81	3749232.27	64.88	0.00	64.88	
PERIOD		0.48838	ug/m^3	R_100	417012.81	3749257.27	62.67	0.00	62.67	
PERIOD		0.43473	ug/m^3	R_101	417012.81	3749282.27	64.18	0.00	64.18	
PERIOD		0.38104	ug/m^3	R_102	417012.81	3749307.27	65.40	0.00	65.40	
PERIOD		0.32972	ug/m^3	R_103	417012.81	3749332.27	65.89	0.00	65.89	
PERIOD		0.28285	ug/m^3	R_104	417012.81	3749357.27	66.09	0.00	66.09	
PERIOD		0.09502	ug/m^3	R_105	417037.81	3748732.27	63.38	0.00	63.38	
PERIOD		0.10781	ug/m^3	R_106	417037.81	3748757.27	63.46	0.00	63.46	
PERIOD		0.12348	ug/m^3	R_107	417037.81	3748782.27	63.59	0.00	63.59	
PERIOD		0.14283	ug/m^3	R_108	417037.81	3748807.27	63.74	0.00	63.74	
PERIOD		0.16704	ug/m^3	R_109	417037.81	3748832.27	63.90	0.00	63.90	
PERIOD		0.19771	ug/m^3	R_110	417037.81	3748857.27	64.10	0.00	64.10	
PERIOD		0.23694	ug/m^3	R_111	417037.81	3748882.27	64.26	0.00	64.26	

Sensitive Receptor Summary

Troy High School Improvements Project
Construction HRA

Concentration - Source Group: ONSITE

Averaging Period	Rank	Peak	Units	Receptor ID	X (m)	Y (m)	ZELEV (m)	ZFLAG (m)	ZHILL (m)	Peak Date, Start Hour
PERIOD		0.28675	ug/m^3	R_112	417037.81	3748907.27	64.28	0.00	64.28	
PERIOD		0.34895	ug/m^3	R_113	417037.81	3748932.27	64.49	0.00	64.49	
PERIOD		0.42398	ug/m^3	R_114	417037.81	3748957.27	64.93	0.00	64.93	
PERIOD		0.50911	ug/m^3	R_115	417037.81	3748982.27	65.28	0.00	65.28	
PERIOD		0.59671	ug/m^3	R_116	417037.81	3749007.27	65.46	0.00	65.46	
PERIOD		0.67767	ug/m^3	R_117	417037.81	3749032.27	65.64	0.00	65.64	
PERIOD		0.74240	ug/m^3	R_118	417037.81	3749057.27	65.80	0.00	65.80	
PERIOD		0.78523	ug/m^3	R_119	417037.81	3749082.27	65.94	0.00	65.94	
PERIOD		0.80469	ug/m^3	R_120	417037.81	3749107.27	66.09	0.00	66.09	
PERIOD		0.80126	ug/m^3	R_121	417037.81	3749132.27	66.20	0.00	66.20	
PERIOD		0.77703	ug/m^3	R_122	417037.81	3749157.27	66.24	0.00	66.24	
PERIOD		0.73503	ug/m^3	R_123	417037.81	3749182.27	66.21	0.00	66.21	
PERIOD		0.68066	ug/m^3	R_124	417037.81	3749207.27	66.24	0.00	66.24	
PERIOD		0.61871	ug/m^3	R_125	417037.81	3749232.27	66.14	0.00	66.14	
PERIOD		0.55207	ug/m^3	R_126	417037.81	3749257.27	64.63	0.00	64.63	
PERIOD		0.48555	ug/m^3	R_127	417037.81	3749282.27	63.16	0.00	66.82	
PERIOD		0.42293	ug/m^3	R_128	417037.81	3749307.27	63.24	0.00	63.24	
PERIOD		0.36451	ug/m^3	R_129	417037.81	3749332.27	64.25	0.00	64.25	
PERIOD		0.31101	ug/m^3	R_130	417037.81	3749357.27	65.54	0.00	65.54	
PERIOD		0.09721	ug/m^3	R_131	417062.81	3748732.27	63.67	0.00	63.67	

Sensitive Receptor Summary

Troy High School Improvements Project
Construction HRA

Concentration - Source Group: ONSITE

Averaging Period	Rank	Peak	Units	Receptor ID	X (m)	Y (m)	ZELEV (m)	ZFLAG (m)	ZHILL (m)	Peak Date, Start Hour
PERIOD		0.11027	ug/m^3	R_132	417062.81	3748757.27	63.75	0.00	63.75	
PERIOD		0.12621	ug/m^3	R_133	417062.81	3748782.27	63.86	0.00	63.86	
PERIOD		0.14591	ug/m^3	R_134	417062.81	3748807.27	63.98	0.00	63.98	
PERIOD		0.17069	ug/m^3	R_135	417062.81	3748832.27	64.15	0.00	64.15	
PERIOD		0.20230	ug/m^3	R_136	417062.81	3748857.27	64.44	0.00	64.44	
PERIOD		0.24346	ug/m^3	R_137	417062.81	3748882.27	64.78	0.00	64.78	
PERIOD		0.29722	ug/m^3	R_138	417062.81	3748907.27	64.71	0.00	64.71	
PERIOD		0.36688	ug/m^3	R_139	417062.81	3748932.27	64.78	0.00	64.78	
PERIOD		0.45421	ug/m^3	R_140	417062.81	3748957.27	65.16	0.00	65.16	
PERIOD		0.55727	ug/m^3	R_141	417062.81	3748982.27	65.55	0.00	65.55	
PERIOD		0.66708	ug/m^3	R_142	417062.81	3749007.27	65.84	0.00	65.84	
PERIOD		0.76996	ug/m^3	R_143	417062.81	3749032.27	66.06	0.00	66.06	
PERIOD		0.85344	ug/m^3	R_144	417062.81	3749057.27	66.19	0.00	66.19	
PERIOD		0.90828	ug/m^3	R_145	417062.81	3749082.27	66.28	0.00	66.28	
PERIOD		0.93311	ug/m^3	R_146	417062.81	3749107.27	66.37	0.00	66.37	
PERIOD		0.93008	ug/m^3	R_147	417062.81	3749132.27	66.43	0.00	66.43	
PERIOD		0.90158	ug/m^3	R_148	417062.81	3749157.27	66.49	0.00	66.49	
PERIOD		0.85082	ug/m^3	R_149	417062.81	3749182.27	66.42	0.00	66.42	
PERIOD		0.78317	ug/m^3	R_150	417062.81	3749207.27	66.38	0.00	66.38	
PERIOD		0.70728	ug/m^3	R_151	417062.81	3749232.27	66.48	0.00	66.48	

Sensitive Receptor Summary

Troy High School Improvements Project
Construction HRA

Concentration - Source Group: ONSITE

Averaging Period	Rank	Peak	Units	Receptor ID	X (m)	Y (m)	ZELEV (m)	ZFLAG (m)	ZHILL (m)	Peak Date, Start Hour
PERIOD		0.63008	ug/m^3	R_152	417062.81	3749257.27	66.64	0.00	66.64	
PERIOD		0.55337	ug/m^3	R_153	417062.81	3749282.27	66.15	0.00	66.15	
PERIOD		0.47859	ug/m^3	R_154	417062.81	3749307.27	65.17	0.00	65.17	
PERIOD		0.40850	ug/m^3	R_155	417062.81	3749332.27	64.53	0.00	64.53	
PERIOD		0.34542	ug/m^3	R_156	417062.81	3749357.27	64.86	0.00	64.86	
PERIOD		0.09964	ug/m^3	R_157	417087.81	3748732.27	63.93	0.00	63.93	
PERIOD		0.11296	ug/m^3	R_158	417087.81	3748757.27	63.99	0.00	63.99	
PERIOD		0.12927	ug/m^3	R_159	417087.81	3748782.27	64.07	0.00	64.07	
PERIOD		0.14944	ug/m^3	R_160	417087.81	3748807.27	64.17	0.00	64.17	
PERIOD		0.17482	ug/m^3	R_161	417087.81	3748832.27	64.35	0.00	64.35	
PERIOD		0.20734	ug/m^3	R_162	417087.81	3748857.27	64.61	0.00	64.61	
PERIOD		0.24983	ug/m^3	R_163	417087.81	3748882.27	64.97	0.00	64.97	
PERIOD		0.30702	ug/m^3	R_164	417087.81	3748907.27	64.93	0.00	64.93	
PERIOD		0.38339	ug/m^3	R_165	417087.81	3748932.27	64.84	0.00	64.84	
PERIOD		0.48342	ug/m^3	R_166	417087.81	3748957.27	64.93	0.00	64.93	
PERIOD		0.60921	ug/m^3	R_167	417087.81	3748982.27	65.21	0.00	65.21	
PERIOD		0.75065	ug/m^3	R_168	417087.81	3749007.27	65.40	0.00	65.40	
PERIOD		0.88697	ug/m^3	R_169	417087.81	3749032.27	65.61	0.00	65.61	
PERIOD		0.99775	ug/m^3	R_170	417087.81	3749057.27	65.81	0.00	65.81	
PERIOD		1.07021	ug/m^3	R_171	417087.81	3749082.27	65.96	0.00	65.96	

Sensitive Receptor Summary

Troy High School Improvements Project
Construction HRA

Concentration - Source Group: ONSITE

Averaging Period	Rank	Peak	Units	Receptor ID	X (m)	Y (m)	ZELEV (m)	ZFLAG (m)	ZHILL (m)	Peak Date, Start Hour
PERIOD		1.10392	ug/m^3	R_172	417087.81	3749107.27	66.05	0.00	66.05	
PERIOD		1.10275	ug/m^3	R_173	417087.81	3749132.27	66.15	0.00	66.15	
PERIOD		1.06896	ug/m^3	R_174	417087.81	3749157.27	66.25	0.00	66.25	
PERIOD		1.00661	ug/m^3	R_175	417087.81	3749182.27	66.34	0.00	66.34	
PERIOD		0.92036	ug/m^3	R_176	417087.81	3749207.27	66.47	0.00	66.47	
PERIOD		0.82273	ug/m^3	R_177	417087.81	3749232.27	66.63	0.00	66.63	
PERIOD		0.72751	ug/m^3	R_178	417087.81	3749257.27	66.74	0.00	66.74	
PERIOD		0.63627	ug/m^3	R_179	417087.81	3749282.27	66.90	0.00	66.90	
PERIOD		0.54824	ug/m^3	R_180	417087.81	3749307.27	66.89	0.00	66.89	
PERIOD		0.46465	ug/m^3	R_181	417087.81	3749332.27	66.42	0.00	66.42	
PERIOD		0.38892	ug/m^3	R_182	417087.81	3749357.27	65.79	0.00	65.79	
PERIOD		0.10220	ug/m^3	R_183	417112.81	3748732.27	64.04	0.00	64.04	
PERIOD		0.11586	ug/m^3	R_184	417112.81	3748757.27	64.09	0.00	64.09	
PERIOD		0.13267	ug/m^3	R_185	417112.81	3748782.27	64.17	0.00	64.17	
PERIOD		0.15351	ug/m^3	R_186	417112.81	3748807.27	64.28	0.00	64.28	
PERIOD		0.17972	ug/m^3	R_187	417112.81	3748832.27	64.43	0.00	64.43	
PERIOD		0.21346	ug/m^3	R_188	417112.81	3748857.27	64.57	0.00	64.57	
PERIOD		0.25726	ug/m^3	R_189	417112.81	3748882.27	64.77	0.00	64.77	
PERIOD		0.31684	ug/m^3	R_190	417112.81	3748907.27	64.90	0.00	64.90	
PERIOD		0.39991	ug/m^3	R_191	417112.81	3748932.27	65.03	0.00	65.03	

Sensitive Receptor Summary

Troy High School Improvements Project
Construction HRA

Concentration - Source Group: ONSITE

Averaging Period	Rank	Peak	Units	Receptor ID	X (m)	Y (m)	ZELEV (m)	ZFLAG (m)	ZHILL (m)	Peak Date, Start Hour
PERIOD		0.51467	ug/m^3	R_192	417112.81	3748957.27	65.23	0.00	65.23	
PERIOD		0.67295	ug/m^3	R_193	417112.81	3748982.27	65.61	0.00	65.61	
PERIOD		0.86468	ug/m^3	R_194	417112.81	3749007.27	65.67	0.00	65.67	
PERIOD		1.05301	ug/m^3	R_195	417112.81	3749032.27	65.83	0.00	65.83	
PERIOD		1.20364	ug/m^3	R_196	417112.81	3749057.27	66.08	0.00	66.08	
PERIOD		1.29906	ug/m^3	R_197	417112.81	3749082.27	66.28	0.00	66.28	
PERIOD		1.34300	ug/m^3	R_198	417112.81	3749107.27	66.31	0.00	66.31	
PERIOD		1.34671	ug/m^3	R_199	417112.81	3749132.27	66.50	0.00	66.50	
PERIOD		1.30758	ug/m^3	R_200	417112.81	3749157.27	66.64	0.00	66.64	
PERIOD		1.22545	ug/m^3	R_201	417112.81	3749182.27	66.76	0.00	66.76	
PERIOD		1.10711	ug/m^3	R_202	417112.81	3749207.27	66.90	0.00	66.90	
PERIOD		0.97946	ug/m^3	R_203	417112.81	3749232.27	67.07	0.00	67.07	
PERIOD		0.85621	ug/m^3	R_204	417112.81	3749257.27	67.17	0.00	67.17	
PERIOD		0.74710	ug/m^3	R_205	417112.81	3749282.27	67.08	0.00	67.08	
PERIOD		0.63979	ug/m^3	R_206	417112.81	3749307.27	67.12	0.00	67.12	
PERIOD		0.53750	ug/m^3	R_207	417112.81	3749332.27	66.94	0.00	66.94	
PERIOD		0.44449	ug/m^3	R_208	417112.81	3749357.27	66.28	0.00	66.28	
PERIOD		0.10505	ug/m^3	R_209	417137.81	3748732.27	64.22	0.00	64.22	
PERIOD		0.11902	ug/m^3	R_210	417137.81	3748757.27	64.27	0.00	64.27	
PERIOD		0.13640	ug/m^3	R_211	417137.81	3748782.27	64.35	0.00	64.35	

Sensitive Receptor Summary

Troy High School Improvements Project
Construction HRA

Concentration - Source Group: ONSITE

Averaging Period	Rank	Peak	Units	Receptor ID	X (m)	Y (m)	ZELEV (m)	ZFLAG (m)	ZHILL (m)	Peak Date, Start Hour
PERIOD		0.15818	ug/m^3	R_212	417137.81	3748807.27	64.46	0.00	64.46	
PERIOD		0.18570	ug/m^3	R_213	417137.81	3748832.27	64.60	0.00	64.60	
PERIOD		0.22084	ug/m^3	R_214	417137.81	3748857.27	64.74	0.00	64.74	
PERIOD		0.26655	ug/m^3	R_215	417137.81	3748882.27	65.05	0.00	65.05	
PERIOD		0.32760	ug/m^3	R_216	417137.81	3748907.27	65.37	0.00	65.37	
PERIOD		0.41626	ug/m^3	R_217	417137.81	3748932.27	65.44	0.00	65.44	
PERIOD		0.55061	ug/m^3	R_218	417137.81	3748957.27	65.44	0.00	65.44	
PERIOD		0.75341	ug/m^3	R_219	417137.81	3748982.27	65.82	0.00	65.82	
PERIOD		1.03061	ug/m^3	R_220	417137.81	3749007.27	66.03	0.00	66.03	
PERIOD		1.30582	ug/m^3	R_221	417137.81	3749032.27	66.04	0.00	66.04	
PERIOD		1.51817	ug/m^3	R_222	417137.81	3749057.27	66.32	0.00	66.32	
PERIOD		1.64760	ug/m^3	R_223	417137.81	3749082.27	66.64	0.00	66.64	
PERIOD		1.71052	ug/m^3	R_224	417137.81	3749107.27	66.69	0.00	66.69	
PERIOD		1.71996	ug/m^3	R_225	417137.81	3749132.27	66.79	0.00	66.79	
PERIOD		1.67581	ug/m^3	R_226	417137.81	3749157.27	67.09	0.00	67.09	
PERIOD		1.56026	ug/m^3	R_227	417137.81	3749182.27	67.31	0.00	67.31	
PERIOD		1.38340	ug/m^3	R_228	417137.81	3749207.27	67.47	0.00	67.47	
PERIOD		1.20281	ug/m^3	R_229	417137.81	3749232.27	67.59	0.00	67.59	
PERIOD		1.03813	ug/m^3	R_230	417137.81	3749257.27	67.66	0.00	67.66	
PERIOD		0.90743	ug/m^3	R_231	417137.81	3749282.27	67.41	0.00	67.41	

Sensitive Receptor Summary

Troy High School Improvements Project
Construction HRA

Concentration - Source Group: ONSITE

Averaging Period	Rank	Peak	Units	Receptor ID	X (m)	Y (m)	ZELEV (m)	ZFLAG (m)	ZHILL (m)	Peak Date, Start Hour
PERIOD		0.77025	ug/m^3	R_232	417137.81	3749307.27	67.37	0.00	67.37	
PERIOD		0.63778	ug/m^3	R_233	417137.81	3749332.27	67.26	0.00	67.26	
PERIOD		0.51751	ug/m^3	R_234	417137.81	3749357.27	67.09	0.00	67.09	
PERIOD		0.10807	ug/m^3	R_235	417162.81	3748732.27	64.45	0.00	64.45	
PERIOD		0.12252	ug/m^3	R_236	417162.81	3748757.27	64.54	0.00	64.54	
PERIOD		0.14047	ug/m^3	R_237	417162.81	3748782.27	64.60	0.00	64.60	
PERIOD		0.16325	ug/m^3	R_238	417162.81	3748807.27	64.70	0.00	64.70	
PERIOD		0.19234	ug/m^3	R_239	417162.81	3748832.27	64.86	0.00	64.86	
PERIOD		0.22989	ug/m^3	R_240	417162.81	3748857.27	65.03	0.00	65.03	
PERIOD		0.27835	ug/m^3	R_241	417162.81	3748882.27	65.42	0.00	65.42	
PERIOD		0.34467	ug/m^3	R_242	417162.81	3748907.27	65.77	0.00	65.77	
PERIOD		0.44941	ug/m^3	R_243	417162.81	3748932.27	65.79	0.00	65.79	
PERIOD		0.60735	ug/m^3	R_244	417162.81	3748957.27	65.68	0.00	65.68	
PERIOD		0.85583	ug/m^3	R_245	417162.81	3748982.27	65.91	0.00	65.91	
PERIOD		1.29237	ug/m^3	R_246	417162.81	3749007.27	66.19	0.00	66.19	
PERIOD		1.74352	ug/m^3	R_247	417162.81	3749032.27	66.16	0.00	66.16	
PERIOD		2.04562	ug/m^3	R_248	417162.81	3749057.27	66.44	0.00	66.44	
PERIOD		2.23667	ug/m^3	R_249	417162.81	3749082.27	66.84	0.00	66.84	
PERIOD		2.35081	ug/m^3	R_250	417162.81	3749107.27	66.98	0.00	66.98	
PERIOD		2.36248	ug/m^3	R_251	417162.81	3749132.27	66.95	0.00	66.95	

Sensitive Receptor Summary

Troy High School Improvements Project
Construction HRA

Concentration - Source Group: ONSITE

Averaging Period	Rank	Peak	Units	Receptor ID	X (m)	Y (m)	ZELEV (m)	ZFLAG (m)	ZHILL (m)	Peak Date, Start Hour
PERIOD		2.29705	ug/m^3	R_252	417162.81	3749157.27	67.29	0.00	67.29	
PERIOD		2.12373	ug/m^3	R_253	417162.81	3749182.27	67.54	0.00	67.54	
PERIOD		1.81511	ug/m^3	R_254	417162.81	3749207.27	67.69	0.00	67.69	
PERIOD		1.53814	ug/m^3	R_255	417162.81	3749232.27	67.78	0.00	67.78	
PERIOD		1.31711	ug/m^3	R_256	417162.81	3749257.27	67.80	0.00	67.80	
PERIOD		1.14711	ug/m^3	R_257	417162.81	3749282.27	67.63	0.00	67.63	
PERIOD		0.96269	ug/m^3	R_258	417162.81	3749307.27	67.71	0.00	67.71	
PERIOD		0.78027	ug/m^3	R_259	417162.81	3749332.27	67.67	0.00	67.67	
PERIOD		0.62068	ug/m^3	R_260	417162.81	3749357.27	67.65	0.00	67.65	
PERIOD		0.11117	ug/m^3	R_261	417187.81	3748732.27	64.75	0.00	64.75	
PERIOD		0.12604	ug/m^3	R_262	417187.81	3748757.27	64.87	0.00	64.87	
PERIOD		0.14474	ug/m^3	R_263	417187.81	3748782.27	64.96	0.00	64.96	
PERIOD		0.16858	ug/m^3	R_264	417187.81	3748807.27	65.08	0.00	65.08	
PERIOD		0.19946	ug/m^3	R_265	417187.81	3748832.27	65.26	0.00	65.26	
PERIOD		0.23987	ug/m^3	R_266	417187.81	3748857.27	65.50	0.00	65.50	
PERIOD		0.29271	ug/m^3	R_267	417187.81	3748882.27	65.79	0.00	65.79	
PERIOD		0.36507	ug/m^3	R_268	417187.81	3748907.27	66.03	0.00	66.03	
PERIOD		0.48364	ug/m^3	R_269	417187.81	3748932.27	66.03	0.00	66.03	
PERIOD		0.66034	ug/m^3	R_270	417187.81	3748957.27	65.96	0.00	65.96	
PERIOD		0.95309	ug/m^3	R_271	417187.81	3748982.27	66.18	0.00	66.18	

Sensitive Receptor Summary

Troy High School Improvements Project
Construction HRA

Concentration - Source Group: ONSITE

Averaging Period	Rank	Peak	Units	Receptor ID	X (m)	Y (m)	ZELEV (m)	ZFLAG (m)	ZHILL (m)	Peak Date, Start Hour
PERIOD		1.67738	ug/m^3	R_272	417187.81	3749007.27	66.38	0.00	66.38	
PERIOD		2.62891	ug/m^3	R_273	417187.81	3749032.27	66.34	0.00	66.34	
PERIOD		3.19702	ug/m^3	R_274	417187.81	3749057.27	66.52	0.00	66.52	
PERIOD		3.55999	ug/m^3	R_275	417187.81	3749082.27	66.81	0.00	66.81	
PERIOD		3.76302	ug/m^3	R_276	417187.81	3749107.27	66.95	0.00	66.95	
PERIOD		3.76903	ug/m^3	R_277	417187.81	3749132.27	66.96	0.00	66.96	
PERIOD		3.62671	ug/m^3	R_278	417187.81	3749157.27	67.15	0.00	67.15	
PERIOD		3.37349	ug/m^3	R_279	417187.81	3749182.27	67.32	0.00	67.32	
PERIOD		2.77013	ug/m^3	R_280	417187.81	3749207.27	67.47	0.00	67.47	
PERIOD		2.17533	ug/m^3	R_281	417187.81	3749232.27	67.61	0.00	67.61	
PERIOD		1.79844	ug/m^3	R_282	417187.81	3749257.27	67.73	0.00	67.73	
PERIOD		1.52191	ug/m^3	R_283	417187.81	3749282.27	67.82	0.00	67.82	
PERIOD		1.25697	ug/m^3	R_284	417187.81	3749307.27	68.03	0.00	68.03	
PERIOD		0.98845	ug/m^3	R_285	417187.81	3749332.27	68.08	0.00	68.08	
PERIOD		0.76428	ug/m^3	R_286	417187.81	3749357.27	68.04	0.00	68.04	
PERIOD		0.11416	ug/m^3	R_287	417212.81	3748732.27	65.36	0.00	65.36	
PERIOD		0.12962	ug/m^3	R_288	417212.81	3748757.27	65.44	0.00	65.44	
PERIOD		0.14896	ug/m^3	R_289	417212.81	3748782.27	65.52	0.00	65.52	
PERIOD		0.17386	ug/m^3	R_290	417212.81	3748807.27	65.61	0.00	65.61	
PERIOD		0.20654	ug/m^3	R_291	417212.81	3748832.27	65.71	0.00	65.71	

Sensitive Receptor Summary

Troy High School Improvements Project
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Concentration - Source Group: ONSITE

Averaging Period	Rank	Peak	Units	Receptor ID	X (m)	Y (m)	ZELEV (m)	ZFLAG (m)	ZHILL (m)	Peak Date, Start Hour
PERIOD		0.24989	ug/m^3	R_292	417212.81	3748857.27	65.87	0.00	65.87	
PERIOD		0.30803	ug/m^3	R_293	417212.81	3748882.27	66.00	0.00	66.00	
PERIOD		0.38940	ug/m^3	R_294	417212.81	3748907.27	66.12	0.00	66.12	
PERIOD		0.51961	ug/m^3	R_295	417212.81	3748932.27	66.13	0.00	66.13	
PERIOD		0.72225	ug/m^3	R_296	417212.81	3748957.27	66.18	0.00	66.18	
PERIOD		1.08341	ug/m^3	R_297	417212.81	3748982.27	66.48	0.00	66.48	
PERIOD		2.19991	ug/m^3	R_298	417212.81	3749007.27	66.62	0.00	66.62	
PERIOD		2.13519	ug/m^3	R_299	417212.81	3749282.27	68.16	0.00	68.16	
PERIOD		1.74817	ug/m^3	R_300	417212.81	3749307.27	68.39	0.00	68.39	
PERIOD		1.33435	ug/m^3	R_301	417212.81	3749332.27	68.46	0.00	68.46	
PERIOD		0.98829	ug/m^3	R_302	417212.81	3749357.27	68.47	0.00	68.47	
PERIOD		0.11708	ug/m^3	R_303	417237.81	3748732.27	65.43	0.00	65.43	
PERIOD		0.13307	ug/m^3	R_304	417237.81	3748757.27	65.51	0.00	65.51	
PERIOD		0.15325	ug/m^3	R_305	417237.81	3748782.27	65.59	0.00	65.59	
PERIOD		0.17915	ug/m^3	R_306	417237.81	3748807.27	65.66	0.00	65.66	
PERIOD		0.21346	ug/m^3	R_307	417237.81	3748832.27	65.73	0.00	65.73	
PERIOD		0.25959	ug/m^3	R_308	417237.81	3748857.27	65.82	0.00	65.82	
PERIOD		0.32315	ug/m^3	R_309	417237.81	3748882.27	65.91	0.00	65.91	
PERIOD		0.41331	ug/m^3	R_310	417237.81	3748907.27	66.03	0.00	66.03	
PERIOD		0.56161	ug/m^3	R_311	417237.81	3748932.27	66.15	0.00	66.15	

Sensitive Receptor Summary

Troy High School Improvements Project
Construction HRA

Concentration - Source Group: ONSITE

Averaging Period	Rank	Peak	Units	Receptor ID	X (m)	Y (m)	ZELEV (m)	ZFLAG (m)	ZHILL (m)	Peak Date, Start Hour
PERIOD		0.79188	ug/m^3	R_312	417237.81	3748957.27	66.36	0.00	66.36	
PERIOD		1.22793	ug/m^3	R_313	417237.81	3748982.27	66.72	0.00	66.72	
PERIOD		2.61482	ug/m^3	R_314	417237.81	3749007.27	66.84	0.00	66.84	
PERIOD		0.12004	ug/m^3	R_315	417262.81	3748732.27	65.63	0.00	65.63	
PERIOD		0.13660	ug/m^3	R_316	417262.81	3748757.27	65.72	0.00	65.72	
PERIOD		0.15747	ug/m^3	R_317	417262.81	3748782.27	65.83	0.00	65.83	
PERIOD		0.18450	ug/m^3	R_318	417262.81	3748807.27	65.93	0.00	65.93	
PERIOD		0.22033	ug/m^3	R_319	417262.81	3748832.27	66.00	0.00	66.00	
PERIOD		0.26920	ug/m^3	R_320	417262.81	3748857.27	66.08	0.00	66.08	
PERIOD		0.33746	ug/m^3	R_321	417262.81	3748882.27	66.21	0.00	66.21	
PERIOD		0.43650	ug/m^3	R_322	417262.81	3748907.27	66.35	0.00	66.35	
PERIOD		0.59600	ug/m^3	R_323	417262.81	3748932.27	66.46	0.00	66.46	
PERIOD		0.85365	ug/m^3	R_324	417262.81	3748957.27	66.63	0.00	66.63	
PERIOD		1.34678	ug/m^3	R_325	417262.81	3748982.27	66.95	0.00	66.95	
PERIOD		2.70976	ug/m^3	R_326	417262.81	3749007.27	67.09	0.00	67.09	
PERIOD		0.12292	ug/m^3	R_327	417287.81	3748732.27	65.82	0.00	65.82	
PERIOD		0.14003	ug/m^3	R_328	417287.81	3748757.27	65.94	0.00	65.94	
PERIOD		0.16162	ug/m^3	R_329	417287.81	3748782.27	66.08	0.00	66.08	
PERIOD		0.18964	ug/m^3	R_330	417287.81	3748807.27	66.22	0.00	66.22	
PERIOD		0.22707	ug/m^3	R_331	417287.81	3748832.27	66.36	0.00	66.36	

Sensitive Receptor Summary

Troy High School Improvements Project
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Concentration - Source Group: ONSITE

Averaging Period	Rank	Peak	Units	Receptor ID	X (m)	Y (m)	ZELEV (m)	ZFLAG (m)	ZHILL (m)	Peak Date, Start Hour
PERIOD		0.27831	ug/m^3	R_332	417287.81	3748857.27	66.51	0.00	66.51	
PERIOD		0.35063	ug/m^3	R_333	417287.81	3748882.27	66.68	0.00	66.68	
PERIOD		0.45715	ug/m^3	R_334	417287.81	3748907.27	66.82	0.00	66.82	
PERIOD		0.62345	ug/m^3	R_335	417287.81	3748932.27	66.87	0.00	66.87	
PERIOD		0.90652	ug/m^3	R_336	417287.81	3748957.27	66.99	0.00	66.99	
PERIOD		1.43313	ug/m^3	R_337	417287.81	3748982.27	67.33	0.00	67.33	
PERIOD		2.58759	ug/m^3	R_338	417287.81	3749007.27	67.51	0.00	67.51	
PERIOD		0.12568	ug/m^3	R_339	417312.81	3748732.27	65.72	0.00	65.72	
PERIOD		0.14328	ug/m^3	R_340	417312.81	3748757.27	65.85	0.00	65.85	
PERIOD		0.16554	ug/m^3	R_341	417312.81	3748782.27	65.99	0.00	65.99	
PERIOD		0.19453	ug/m^3	R_342	417312.81	3748807.27	66.14	0.00	66.14	
PERIOD		0.23329	ug/m^3	R_343	417312.81	3748832.27	66.29	0.00	66.29	
PERIOD		0.28660	ug/m^3	R_344	417312.81	3748857.27	66.45	0.00	66.45	
PERIOD		0.36262	ug/m^3	R_345	417312.81	3748882.27	66.65	0.00	66.65	
PERIOD		0.47450	ug/m^3	R_346	417312.81	3748907.27	66.85	0.00	66.85	
PERIOD		0.65160	ug/m^3	R_347	417312.81	3748932.27	67.00	0.00	67.00	
PERIOD		0.96054	ug/m^3	R_348	417312.81	3748957.27	67.18	0.00	67.18	
PERIOD		1.50414	ug/m^3	R_349	417312.81	3748982.27	67.51	0.00	67.51	
PERIOD		2.42438	ug/m^3	R_350	417312.81	3749007.27	67.76	0.00	67.76	
PERIOD		4.40341	ug/m^3	R_351	417312.81	3749032.27	67.76	0.00	67.76	

Sensitive Receptor Summary

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Averaging Period	Rank	Peak	Units	Receptor ID	X (m)	Y (m)	ZELEV (m)	ZFLAG (m)	ZHILL (m)	Peak Date, Start Hour
PERIOD		0.12811	ug/m^3	R_352	417337.81	3748732.27	65.74	0.00	65.74	
PERIOD		0.14624	ug/m^3	R_353	417337.81	3748757.27	65.87	0.00	65.87	
PERIOD		0.16914	ug/m^3	R_354	417337.81	3748782.27	66.03	0.00	66.03	
PERIOD		0.19894	ug/m^3	R_355	417337.81	3748807.27	66.19	0.00	66.19	
PERIOD		0.23874	ug/m^3	R_356	417337.81	3748832.27	66.36	0.00	66.36	
PERIOD		0.29361	ug/m^3	R_357	417337.81	3748857.27	66.53	0.00	66.53	
PERIOD		0.37209	ug/m^3	R_358	417337.81	3748882.27	66.77	0.00	66.77	
PERIOD		0.48778	ug/m^3	R_359	417337.81	3748907.27	67.02	0.00	67.02	
PERIOD		0.67220	ug/m^3	R_360	417337.81	3748932.27	67.24	0.00	67.24	
PERIOD		1.00595	ug/m^3	R_361	417337.81	3748957.27	67.48	0.00	67.48	
PERIOD		1.58076	ug/m^3	R_362	417337.81	3748982.27	67.76	0.00	67.76	
PERIOD		2.67263	ug/m^3	R_363	417337.81	3749007.27	67.81	0.00	67.81	
PERIOD		0.13031	ug/m^3	R_364	417362.81	3748732.27	66.04	0.00	66.04	
PERIOD		0.14889	ug/m^3	R_365	417362.81	3748757.27	66.18	0.00	66.18	
PERIOD		0.17242	ug/m^3	R_366	417362.81	3748782.27	66.35	0.00	66.35	
PERIOD		0.20275	ug/m^3	R_367	417362.81	3748807.27	66.54	0.00	66.54	
PERIOD		0.24324	ug/m^3	R_368	417362.81	3748832.27	66.74	0.00	66.74	
PERIOD		0.29915	ug/m^3	R_369	417362.81	3748857.27	66.94	0.00	66.94	
PERIOD		0.37887	ug/m^3	R_370	417362.81	3748882.27	67.21	0.00	67.21	
PERIOD		0.49606	ug/m^3	R_371	417362.81	3748907.27	67.46	0.00	67.46	

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Construction HRA

Concentration - Source Group: ONSITE

Averaging Period	Rank	Peak	Units	Receptor ID	X (m)	Y (m)	ZELEV (m)	ZFLAG (m)	ZHILL (m)	Peak Date, Start Hour
PERIOD		0.68216	ug/m^3	R_372	417362.81	3748932.27	67.65	0.00	67.65	
PERIOD		1.02424	ug/m^3	R_373	417362.81	3748957.27	67.90	0.00	67.90	
PERIOD		1.68303	ug/m^3	R_374	417362.81	3748982.27	68.23	0.00	68.23	
PERIOD		3.32644	ug/m^3	R_375	417362.81	3749007.27	68.05	0.00	68.05	
PERIOD		0.13215	ug/m^3	R_376	417387.81	3748732.27	66.13	0.00	66.13	
PERIOD		0.15119	ug/m^3	R_377	417387.81	3748757.27	66.30	0.00	66.30	
PERIOD		0.17517	ug/m^3	R_378	417387.81	3748782.27	66.46	0.00	66.46	
PERIOD		0.20603	ug/m^3	R_379	417387.81	3748807.27	66.66	0.00	66.66	
PERIOD		0.24688	ug/m^3	R_380	417387.81	3748832.27	66.89	0.00	66.89	
PERIOD		0.30311	ug/m^3	R_381	417387.81	3748857.27	67.13	0.00	67.13	
PERIOD		0.38322	ug/m^3	R_382	417387.81	3748882.27	67.42	0.00	67.42	
PERIOD		0.50265	ug/m^3	R_383	417387.81	3748907.27	67.66	0.00	67.66	
PERIOD		0.69659	ug/m^3	R_384	417387.81	3748932.27	67.86	0.00	67.86	
PERIOD		1.06044	ug/m^3	R_385	417387.81	3748957.27	68.16	0.00	68.16	
PERIOD		1.84576	ug/m^3	R_386	417387.81	3748982.27	68.52	0.00	68.52	
PERIOD		0.13353	ug/m^3	R_387	417412.81	3748732.27	66.06	0.00	66.06	
PERIOD		0.15301	ug/m^3	R_388	417412.81	3748757.27	66.21	0.00	66.21	
PERIOD		0.17745	ug/m^3	R_389	417412.81	3748782.27	66.40	0.00	66.40	
PERIOD		0.20873	ug/m^3	R_390	417412.81	3748807.27	66.62	0.00	66.62	
PERIOD		0.24991	ug/m^3	R_391	417412.81	3748832.27	66.86	0.00	66.86	

Sensitive Receptor Summary

Troy High School Improvements Project
Construction HRA

Concentration - Source Group: ONSITE

Averaging Period	Rank	Peak	Units	Receptor ID	X (m)	Y (m)	ZELEV (m)	ZFLAG (m)	ZHILL (m)	Peak Date, Start Hour
PERIOD		0.30625	ug/m^3	R_392	417412.81	3748857.27	67.13	0.00	67.13	
PERIOD		0.38655	ug/m^3	R_393	417412.81	3748882.27	67.40	0.00	67.40	
PERIOD		0.50940	ug/m^3	R_394	417412.81	3748907.27	67.65	0.00	67.65	
PERIOD		0.70543	ug/m^3	R_395	417412.81	3748932.27	67.94	0.00	67.94	
PERIOD		1.08468	ug/m^3	R_396	417412.81	3748957.27	68.33	0.00	68.33	
PERIOD		1.95421	ug/m^3	R_397	417412.81	3748982.27	68.75	0.00	68.75	
PERIOD		0.13447	ug/m^3	R_398	417437.81	3748732.27	66.29	0.00	66.29	
PERIOD		0.15424	ug/m^3	R_399	417437.81	3748757.27	66.47	0.00	66.47	
PERIOD		0.17900	ug/m^3	R_400	417437.81	3748782.27	66.67	0.00	66.67	
PERIOD		0.21064	ug/m^3	R_401	417437.81	3748807.27	66.88	0.00	66.88	
PERIOD		0.25218	ug/m^3	R_402	417437.81	3748832.27	67.11	0.00	67.11	
PERIOD		0.30858	ug/m^3	R_403	417437.81	3748857.27	67.35	0.00	67.35	
PERIOD		0.38755	ug/m^3	R_404	417437.81	3748882.27	67.63	0.00	67.63	
PERIOD		0.51093	ug/m^3	R_405	417437.81	3748907.27	67.87	0.00	67.87	
PERIOD		0.70606	ug/m^3	R_406	417437.81	3748932.27	68.11	0.00	68.11	
PERIOD		1.08655	ug/m^3	R_407	417437.81	3748957.27	68.48	0.00	68.48	
PERIOD		1.99367	ug/m^3	R_408	417437.81	3748982.27	68.93	0.00	68.93	
PERIOD		0.13482	ug/m^3	R_409	417462.81	3748732.27	66.64	0.00	66.64	
PERIOD		0.15476	ug/m^3	R_410	417462.81	3748757.27	67.00	0.00	67.00	
PERIOD		0.17975	ug/m^3	R_411	417462.81	3748782.27	67.16	0.00	67.16	

Sensitive Receptor Summary

Troy High School Improvements Project
Construction HRA

Concentration - Source Group: ONSITE

Averaging Period	Rank	Peak	Units	Receptor ID	X (m)	Y (m)	ZELEV (m)	ZFLAG (m)	ZHILL (m)	Peak Date, Start Hour
PERIOD		0.21165	ug/m^3	R_412	417462.81	3748807.27	67.28	0.00	67.28	
PERIOD		0.25335	ug/m^3	R_413	417462.81	3748832.27	67.42	0.00	67.42	
PERIOD		0.30908	ug/m^3	R_414	417462.81	3748857.27	67.59	0.00	67.59	
PERIOD		0.38672	ug/m^3	R_415	417462.81	3748882.27	67.86	0.00	67.86	
PERIOD		0.50790	ug/m^3	R_416	417462.81	3748907.27	68.10	0.00	68.10	
PERIOD		0.69970	ug/m^3	R_417	417462.81	3748932.27	68.29	0.00	68.29	
PERIOD		1.07512	ug/m^3	R_418	417462.81	3748957.27	68.61	0.00	68.61	
PERIOD		1.98527	ug/m^3	R_419	417462.81	3748982.27	69.09	0.00	69.09	
PERIOD		0.13461	ug/m^3	R_420	417487.81	3748732.27	66.84	0.00	66.84	
PERIOD		0.15457	ug/m^3	R_421	417487.81	3748757.27	67.15	0.00	67.15	
PERIOD		0.17959	ug/m^3	R_422	417487.81	3748782.27	67.16	0.00	67.16	
PERIOD		0.21148	ug/m^3	R_423	417487.81	3748807.27	67.21	0.00	67.21	
PERIOD		0.25306	ug/m^3	R_424	417487.81	3748832.27	67.33	0.00	67.33	
PERIOD		0.30882	ug/m^3	R_425	417487.81	3748857.27	67.45	0.00	67.45	
PERIOD		0.38528	ug/m^3	R_426	417487.81	3748882.27	67.73	0.00	67.73	
PERIOD		0.50228	ug/m^3	R_427	417487.81	3748907.27	68.06	0.00	68.06	
PERIOD		0.68876	ug/m^3	R_428	417487.81	3748932.27	68.34	0.00	68.34	
PERIOD		1.05125	ug/m^3	R_429	417487.81	3748957.27	68.73	0.00	68.73	
PERIOD		1.94259	ug/m^3	R_430	417487.81	3748982.27	69.27	0.00	69.27	
PERIOD		0.13387	ug/m^3	R_431	417512.81	3748732.27	66.91	0.00	66.91	

Sensitive Receptor Summary

Troy High School Improvements Project
Construction HRA

Concentration - Source Group: ONSITE

Averaging Period	Rank	Peak	Units	Receptor ID	X (m)	Y (m)	ZELEV (m)	ZFLAG (m)	ZHILL (m)	Peak Date, Start Hour
PERIOD		0.15370	ug/m^3	R_432	417512.81	3748757.27	67.06	0.00	67.06	
PERIOD		0.17850	ug/m^3	R_433	417512.81	3748782.27	67.04	0.00	67.04	
PERIOD		0.21002	ug/m^3	R_434	417512.81	3748807.27	67.23	0.00	67.23	
PERIOD		0.25089	ug/m^3	R_435	417512.81	3748832.27	67.48	0.00	67.48	
PERIOD		0.30529	ug/m^3	R_436	417512.81	3748857.27	67.53	0.00	67.53	
PERIOD		0.37901	ug/m^3	R_437	417512.81	3748882.27	67.85	0.00	67.85	
PERIOD		0.48976	ug/m^3	R_438	417512.81	3748907.27	68.32	0.00	68.32	
PERIOD		0.66916	ug/m^3	R_439	417512.81	3748932.27	68.56	0.00	68.56	
PERIOD		1.01577	ug/m^3	R_440	417512.81	3748957.27	68.88	0.00	68.88	
PERIOD		1.86934	ug/m^3	R_441	417512.81	3748982.27	69.42	0.00	69.42	
PERIOD		0.13259	ug/m^3	R_442	417537.81	3748732.27	67.00	0.00	67.00	
PERIOD		0.15207	ug/m^3	R_443	417537.81	3748757.27	67.01	0.00	67.01	
PERIOD		0.17630	ug/m^3	R_444	417537.81	3748782.27	67.02	0.00	67.02	
PERIOD		0.20706	ug/m^3	R_445	417537.81	3748807.27	67.38	0.00	67.38	
PERIOD		0.24605	ug/m^3	R_446	417537.81	3748832.27	67.75	0.00	67.75	
PERIOD		0.29869	ug/m^3	R_447	417537.81	3748857.27	67.74	0.00	67.74	
PERIOD		0.36906	ug/m^3	R_448	417537.81	3748882.27	68.14	0.00	68.14	
PERIOD		0.47313	ug/m^3	R_449	417537.81	3748907.27	68.66	0.00	68.66	
PERIOD		0.64493	ug/m^3	R_450	417537.81	3748932.27	68.80	0.00	68.80	
PERIOD		0.97059	ug/m^3	R_451	417537.81	3748957.27	69.02	0.00	69.02	

Sensitive Receptor Summary

Troy High School Improvements Project
Construction HRA

Concentration - Source Group: ONSITE

Averaging Period	Rank	Peak	Units	Receptor ID	X (m)	Y (m)	ZELEV (m)	ZFLAG (m)	ZHILL (m)	Peak Date, Start Hour
PERIOD		1.76326	ug/m^3	R_452	417537.81	3748982.27	69.52	0.00	69.52	
PERIOD		0.13082	ug/m^3	R_453	417562.81	3748732.27	66.79	0.00	66.79	
PERIOD		0.14976	ug/m^3	R_454	417562.81	3748757.27	66.80	0.00	66.80	
PERIOD		0.17321	ug/m^3	R_455	417562.81	3748782.27	66.93	0.00	66.93	
PERIOD		0.20285	ug/m^3	R_456	417562.81	3748807.27	67.40	0.00	67.40	
PERIOD		0.23998	ug/m^3	R_457	417562.81	3748832.27	67.83	0.00	67.83	
PERIOD		0.29005	ug/m^3	R_458	417562.81	3748857.27	67.84	0.00	67.84	
PERIOD		0.35685	ug/m^3	R_459	417562.81	3748882.27	68.27	0.00	68.27	
PERIOD		0.45537	ug/m^3	R_460	417562.81	3748907.27	68.80	0.00	68.80	
PERIOD		0.61898	ug/m^3	R_461	417562.81	3748932.27	68.93	0.00	68.93	
PERIOD		0.91854	ug/m^3	R_462	417562.81	3748957.27	69.13	0.00	69.13	
PERIOD		1.62003	ug/m^3	R_463	417562.81	3748982.27	69.61	0.00	69.61	
PERIOD		0.12863	ug/m^3	R_464	417587.81	3748732.27	66.66	0.00	66.66	
PERIOD		0.14688	ug/m^3	R_465	417587.81	3748757.27	66.76	0.00	66.76	
PERIOD		0.16937	ug/m^3	R_466	417587.81	3748782.27	66.99	0.00	66.99	
PERIOD		0.19754	ug/m^3	R_467	417587.81	3748807.27	67.48	0.00	67.48	
PERIOD		0.23263	ug/m^3	R_468	417587.81	3748832.27	67.89	0.00	67.89	
PERIOD		0.27976	ug/m^3	R_469	417587.81	3748857.27	67.91	0.00	67.91	
PERIOD		0.34244	ug/m^3	R_470	417587.81	3748882.27	68.33	0.00	68.33	
PERIOD		0.43449	ug/m^3	R_471	417587.81	3748907.27	68.90	0.00	68.90	

Sensitive Receptor Summary

Troy High School Improvements Project
Construction HRA

Concentration - Source Group: ONSITE

Averaging Period	Rank	Peak	Units	Receptor ID	X (m)	Y (m)	ZELEV (m)	ZFLAG (m)	ZHILL (m)	Peak Date, Start Hour
PERIOD		0.58616	ug/m^3	R_472	417587.81	3748932.27	69.04	0.00	69.04	
PERIOD		0.85383	ug/m^3	R_473	417587.81	3748957.27	69.24	0.00	69.24	
PERIOD		1.43786	ug/m^3	R_474	417587.81	3748982.27	69.71	0.00	69.71	
PERIOD		0.12610	ug/m^3	R_475	417612.81	3748732.27	66.88	0.00	66.88	
PERIOD		0.14354	ug/m^3	R_476	417612.81	3748757.27	67.10	0.00	67.10	
PERIOD		0.16495	ug/m^3	R_477	417612.81	3748782.27	67.42	0.00	67.42	
PERIOD		0.19088	ug/m^3	R_478	417612.81	3748807.27	67.83	0.00	67.83	
PERIOD		0.22407	ug/m^3	R_479	417612.81	3748832.27	68.07	0.00	68.07	
PERIOD		0.26822	ug/m^3	R_480	417612.81	3748857.27	67.99	0.00	67.99	
PERIOD		0.32643	ug/m^3	R_481	417612.81	3748882.27	68.35	0.00	68.35	
PERIOD		0.40985	ug/m^3	R_482	417612.81	3748907.27	68.95	0.00	68.95	
PERIOD		0.54408	ug/m^3	R_483	417612.81	3748932.27	69.11	0.00	69.11	
PERIOD		0.76683	ug/m^3	R_484	417612.81	3748957.27	69.35	0.00	69.35	
PERIOD		1.19547	ug/m^3	R_485	417612.81	3748982.27	69.84	0.00	69.84	
PERIOD		0.12324	ug/m^3	R_486	417637.81	3748732.27	66.98	0.00	66.98	
PERIOD		0.13982	ug/m^3	R_487	417637.81	3748757.27	67.25	0.00	67.25	
PERIOD		0.15968	ug/m^3	R_488	417637.81	3748782.27	67.68	0.00	67.68	
PERIOD		0.18396	ug/m^3	R_489	417637.81	3748807.27	68.05	0.00	68.05	
PERIOD		0.21502	ug/m^3	R_490	417637.81	3748832.27	68.16	0.00	68.16	
PERIOD		0.25582	ug/m^3	R_491	417637.81	3748857.27	68.02	0.00	68.02	

Sensitive Receptor Summary

Troy High School Improvements Project
Construction HRA

Concentration - Source Group: ONSITE

Averaging Period	Rank	Peak	Units	Receptor ID	X (m)	Y (m)	ZELEV (m)	ZFLAG (m)	ZHILL (m)	Peak Date, Start Hour
PERIOD		0.30873	ug/m^3	R_492	417637.81	3748882.27	68.33	0.00	68.33	
PERIOD		0.38204	ug/m^3	R_493	417637.81	3748907.27	68.87	0.00	68.87	
PERIOD		0.49394	ug/m^3	R_494	417637.81	3748932.27	69.10	0.00	69.10	
PERIOD		0.66551	ug/m^3	R_495	417637.81	3748957.27	69.37	0.00	69.37	
PERIOD		0.93837	ug/m^3	R_496	417637.81	3748982.27	69.85	0.00	69.85	
PERIOD		0.12015	ug/m^3	R_497	417662.81	3748732.27	66.93	0.00	66.93	
PERIOD		0.13580	ug/m^3	R_498	417662.81	3748757.27	67.18	0.00	67.18	
PERIOD		0.15444	ug/m^3	R_499	417662.81	3748782.27	67.65	0.00	67.65	
PERIOD		0.17700	ug/m^3	R_500	417662.81	3748807.27	68.00	0.00	68.00	
PERIOD		0.20551	ug/m^3	R_501	417662.81	3748832.27	68.13	0.00	68.13	
PERIOD		0.24209	ug/m^3	R_502	417662.81	3748857.27	68.12	0.00	68.12	
PERIOD		0.28904	ug/m^3	R_503	417662.81	3748882.27	68.37	0.00	68.37	
PERIOD		0.35156	ug/m^3	R_504	417662.81	3748907.27	68.77	0.00	68.77	
PERIOD		0.44085	ug/m^3	R_505	417662.81	3748932.27	69.06	0.00	69.06	
PERIOD		0.56561	ug/m^3	R_506	417662.81	3748957.27	69.37	0.00	69.37	
PERIOD		0.73536	ug/m^3	R_507	417662.81	3748982.27	69.77	0.00	69.77	
PERIOD		0.11682	ug/m^3	R_508	417687.81	3748732.27	67.11	0.00	67.11	
PERIOD		0.13148	ug/m^3	R_509	417687.81	3748757.27	67.36	0.00	67.36	
PERIOD		0.14860	ug/m^3	R_510	417687.81	3748782.27	67.79	0.00	67.79	
PERIOD		0.16936	ug/m^3	R_511	417687.81	3748807.27	68.10	0.00	68.10	

Sensitive Receptor Summary

Troy High School Improvements Project
Construction HRA

Concentration - Source Group: ONSITE

Averaging Period	Rank	Peak	Units	Receptor ID	X (m)	Y (m)	ZELEV (m)	ZFLAG (m)	ZHILL (m)	Peak Date, Start Hour
PERIOD		0.19510	ug/m^3	R_512	417687.81	3748832.27	68.27	0.00	68.27	
PERIOD		0.22738	ug/m^3	R_513	417687.81	3748857.27	68.37	0.00	68.37	
PERIOD		0.26808	ug/m^3	R_514	417687.81	3748882.27	68.60	0.00	68.60	
PERIOD		0.32033	ug/m^3	R_515	417687.81	3748907.27	68.89	0.00	68.89	
PERIOD		0.38949	ug/m^3	R_516	417687.81	3748932.27	69.18	0.00	69.18	
PERIOD		0.47911	ug/m^3	R_517	417687.81	3748957.27	69.53	0.00	69.53	
PERIOD		0.59018	ug/m^3	R_518	417687.81	3748982.27	69.90	0.00	69.90	
PERIOD		0.33286	ug/m^3	R_519	417131.09	3749407.04	66.01	0.00	66.01	
PERIOD		0.38425	ug/m^3	R_520	417156.09	3749407.04	67.10	0.00	67.10	
PERIOD		0.44827	ug/m^3	R_521	417181.09	3749407.04	68.44	0.00	68.44	
PERIOD		0.37135	ug/m^3	R_522	417181.09	3749432.04	67.45	0.00	67.45	
PERIOD		0.55238	ug/m^3	R_523	417206.09	3749407.04	68.95	0.00	68.95	
PERIOD		0.43892	ug/m^3	R_524	417206.09	3749432.04	68.78	0.00	68.78	
PERIOD		0.38465	ug/m^3	R_525	417206.09	3749457.04	68.11	0.00	68.11	
PERIOD		0.71987	ug/m^3	R_526	417231.09	3749407.04	69.33	0.00	69.33	
PERIOD		0.54624	ug/m^3	R_527	417231.09	3749432.04	69.61	0.00	69.61	
PERIOD		0.46725	ug/m^3	R_528	417231.09	3749457.04	69.48	0.00	69.48	
PERIOD		0.40853	ug/m^3	R_529	417231.09	3749482.04	68.76	0.00	68.76	
PERIOD		0.94623	ug/m^3	R_530	417256.09	3749407.04	69.77	0.00	69.77	
PERIOD		0.70603	ug/m^3	R_531	417256.09	3749432.04	69.83	0.00	69.83	

Sensitive Receptor Summary

Troy High School Improvements Project
Construction HRA

Concentration - Source Group: ONSITE

Averaging Period	Rank	Peak	Units	Receptor ID	X (m)	Y (m)	ZELEV (m)	ZFLAG (m)	ZHILL (m)	Peak Date, Start Hour
PERIOD		0.58704	ug/m^3	R_532	417256.09	3749457.04	69.95	0.00	69.95	
PERIOD		0.49779	ug/m^3	R_533	417256.09	3749482.04	69.92	0.00	69.92	
PERIOD		0.43149	ug/m^3	R_534	417256.09	3749507.04	69.33	0.00	69.33	
PERIOD		1.27570	ug/m^3	R_535	417281.09	3749407.04	70.05	0.00	70.05	
PERIOD		0.92118	ug/m^3	R_536	417281.09	3749432.04	70.10	0.00	70.10	
PERIOD		0.74430	ug/m^3	R_537	417281.09	3749457.04	70.06	0.00	70.06	
PERIOD		0.61643	ug/m^3	R_538	417281.09	3749482.04	70.10	0.00	70.10	
PERIOD		0.52071	ug/m^3	R_539	417281.09	3749507.04	70.09	0.00	70.09	
PERIOD		0.45456	ug/m^3	R_540	417281.09	3749532.04	68.62	0.00	68.62	
PERIOD		1.66491	ug/m^3	R_541	417306.09	3749407.04	69.90	0.00	69.90	
PERIOD		1.17888	ug/m^3	R_542	417306.09	3749432.04	70.08	0.00	70.08	
PERIOD		0.92815	ug/m^3	R_543	417306.09	3749457.04	70.20	0.00	70.20	
PERIOD		0.75400	ug/m^3	R_544	417306.09	3749482.04	70.28	0.00	70.28	
PERIOD		0.62666	ug/m^3	R_545	417306.09	3749507.04	70.30	0.00	70.30	
PERIOD		0.53158	ug/m^3	R_546	417306.09	3749532.04	69.99	0.00	69.99	
PERIOD		2.00023	ug/m^3	R_547	417331.09	3749407.04	69.87	0.00	69.87	
PERIOD		1.43309	ug/m^3	R_548	417331.09	3749432.04	70.13	0.00	70.13	
PERIOD		1.11433	ug/m^3	R_549	417331.09	3749457.04	70.45	0.00	70.45	
PERIOD		0.89548	ug/m^3	R_550	417331.09	3749482.04	70.62	0.00	70.62	
PERIOD		0.73785	ug/m^3	R_551	417331.09	3749507.04	70.51	0.00	70.51	

Sensitive Receptor Summary

Troy High School Improvements Project
Construction HRA

Concentration - Source Group: ONSITE

Averaging Period	Rank	Peak	Units	Receptor ID	X (m)	Y (m)	ZELEV (m)	ZFLAG (m)	ZHILL (m)	Peak Date, Start Hour
PERIOD		0.61748	ug/m^3	R_552	417331.09	3749532.04	70.59	0.00	70.59	
PERIOD		0.53536	ug/m^3	R_553	417331.09	3749557.04	68.73	0.00	68.73	
PERIOD		2.23863	ug/m^3	R_554	417356.09	3749407.04	70.33	0.00	70.33	
PERIOD		1.64180	ug/m^3	R_555	417356.09	3749432.04	70.55	0.00	70.55	
PERIOD		1.27941	ug/m^3	R_556	417356.09	3749457.04	70.78	0.00	70.78	
PERIOD		1.02773	ug/m^3	R_557	417356.09	3749482.04	70.85	0.00	70.85	
PERIOD		0.84433	ug/m^3	R_558	417356.09	3749507.04	70.71	0.00	70.71	
PERIOD		0.70409	ug/m^3	R_559	417356.09	3749532.04	70.76	0.00	70.76	
PERIOD		0.59762	ug/m^3	R_560	417356.09	3749557.04	70.44	0.00	70.44	
PERIOD		2.40798	ug/m^3	R_561	417381.09	3749407.04	70.45	0.00	70.45	
PERIOD		1.79566	ug/m^3	R_562	417381.09	3749432.04	70.68	0.00	70.68	
PERIOD		1.41151	ug/m^3	R_563	417381.09	3749457.04	70.84	0.00	70.84	
PERIOD		1.13938	ug/m^3	R_564	417381.09	3749482.04	70.89	0.00	70.89	
PERIOD		0.93728	ug/m^3	R_565	417381.09	3749507.04	70.85	0.00	70.85	
PERIOD		0.78227	ug/m^3	R_566	417381.09	3749532.04	70.90	0.00	70.90	
PERIOD		0.66080	ug/m^3	R_567	417381.09	3749557.04	71.08	0.00	71.08	
PERIOD		0.56792	ug/m^3	R_568	417381.09	3749582.04	70.56	0.00	70.56	
PERIOD		0.49513	ug/m^3	R_569	417381.09	3749607.04	69.54	0.00	69.54	
PERIOD		2.48359	ug/m^3	R_570	417406.09	3749407.04	70.26	0.00	70.26	
PERIOD		1.88840	ug/m^3	R_571	417406.09	3749432.04	70.51	0.00	70.51	

Sensitive Receptor Summary

Troy High School Improvements Project
Construction HRA

Concentration - Source Group: ONSITE

Averaging Period	Rank	Peak	Units	Receptor ID	X (m)	Y (m)	ZELEV (m)	ZFLAG (m)	ZHILL (m)	Peak Date, Start Hour
PERIOD		1.50091	ug/m^3	R_572	417406.09	3749457.04	70.70	0.00	70.70	
PERIOD		1.22013	ug/m^3	R_573	417406.09	3749482.04	70.89	0.00	70.89	
PERIOD		1.00776	ug/m^3	R_574	417406.09	3749507.04	71.12	0.00	71.12	
PERIOD		0.84400	ug/m^3	R_575	417406.09	3749532.04	71.31	0.00	71.31	
PERIOD		0.71671	ug/m^3	R_576	417406.09	3749557.04	71.23	0.00	71.23	
PERIOD		0.61393	ug/m^3	R_577	417406.09	3749582.04	71.35	0.00	71.35	
PERIOD		0.53142	ug/m^3	R_578	417406.09	3749607.04	71.30	0.00	71.30	
PERIOD		0.46489	ug/m^3	R_579	417406.09	3749632.04	70.93	0.00	70.93	
PERIOD		0.41015	ug/m^3	R_580	417406.09	3749657.04	70.40	0.00	70.40	
PERIOD		2.45135	ug/m^3	R_581	417431.09	3749407.04	70.54	0.00	70.54	
PERIOD		1.90317	ug/m^3	R_582	417431.09	3749432.04	70.75	0.00	70.75	
PERIOD		1.53509	ug/m^3	R_583	417431.09	3749457.04	70.88	0.00	70.88	
PERIOD		1.26280	ug/m^3	R_584	417431.09	3749482.04	71.01	0.00	71.01	
PERIOD		1.05275	ug/m^3	R_585	417431.09	3749507.04	71.26	0.00	71.26	
PERIOD		0.88720	ug/m^3	R_586	417431.09	3749532.04	71.63	0.00	71.63	
PERIOD		0.75776	ug/m^3	R_587	417431.09	3749557.04	71.57	0.00	71.57	
PERIOD		0.65299	ug/m^3	R_588	417431.09	3749582.04	71.50	0.00	71.50	
PERIOD		0.56630	ug/m^3	R_589	417431.09	3749607.04	71.66	0.00	71.66	
PERIOD		0.49403	ug/m^3	R_590	417431.09	3749632.04	72.00	0.00	72.00	
PERIOD		0.43426	ug/m^3	R_591	417431.09	3749657.04	72.23	0.00	72.23	

Sensitive Receptor Summary

Troy High School Improvements Project
Construction HRA

Concentration - Source Group: ONSITE

Averaging Period	Rank	Peak	Units	Receptor ID	X (m)	Y (m)	ZELEV (m)	ZFLAG (m)	ZHILL (m)	Peak Date, Start Hour
PERIOD		0.38457	ug/m^3	R_592	417431.09	3749682.04	72.26	0.00	72.26	
PERIOD		2.32676	ug/m^3	R_593	417456.09	3749407.04	70.89	0.00	70.89	
PERIOD		1.85051	ug/m^3	R_594	417456.09	3749432.04	71.08	0.00	71.08	
PERIOD		1.51893	ug/m^3	R_595	417456.09	3749457.04	71.11	0.00	71.11	
PERIOD		1.26791	ug/m^3	R_596	417456.09	3749482.04	71.16	0.00	71.16	
PERIOD		1.06976	ug/m^3	R_597	417456.09	3749507.04	71.37	0.00	71.37	
PERIOD		0.90986	ug/m^3	R_598	417456.09	3749532.04	71.83	0.00	71.83	
PERIOD		0.78335	ug/m^3	R_599	417456.09	3749557.04	71.78	0.00	71.78	
PERIOD		0.67938	ug/m^3	R_600	417456.09	3749582.04	71.74	0.00	71.74	
PERIOD		0.59264	ug/m^3	R_601	417456.09	3749607.04	71.84	0.00	71.84	
PERIOD		0.52001	ug/m^3	R_602	417456.09	3749632.04	71.99	0.00	71.99	
PERIOD		0.45939	ug/m^3	R_603	417456.09	3749657.04	71.98	0.00	71.98	
PERIOD		0.40671	ug/m^3	R_604	417456.09	3749682.04	72.48	0.00	72.48	
PERIOD		2.12277	ug/m^3	R_605	417481.09	3749407.04	70.78	0.00	70.78	
PERIOD		1.74207	ug/m^3	R_606	417481.09	3749432.04	70.97	0.00	70.97	
PERIOD		1.45993	ug/m^3	R_607	417481.09	3749457.04	71.07	0.00	71.07	
PERIOD		1.23852	ug/m^3	R_608	417481.09	3749482.04	71.21	0.00	71.21	
PERIOD		1.05905	ug/m^3	R_609	417481.09	3749507.04	71.50	0.00	71.50	
PERIOD		0.91130	ug/m^3	R_610	417481.09	3749532.04	71.96	0.00	71.96	
PERIOD		0.79292	ug/m^3	R_611	417481.09	3749557.04	71.81	0.00	71.81	

Sensitive Receptor Summary

Troy High School Improvements Project
Construction HRA

Concentration - Source Group: ONSITE

Averaging Period	Rank	Peak	Units	Receptor ID	X (m)	Y (m)	ZELEV (m)	ZFLAG (m)	ZHILL (m)	Peak Date, Start Hour
PERIOD		0.69283	ug/m^3	R_612	417481.09	3749582.04	71.89	0.00	71.89	
PERIOD		0.60788	ug/m^3	R_613	417481.09	3749607.04	72.18	0.00	72.18	
PERIOD		0.53633	ug/m^3	R_614	417481.09	3749632.04	72.40	0.00	72.40	
PERIOD		0.47668	ug/m^3	R_615	417481.09	3749657.04	72.20	0.00	72.20	
PERIOD		1.86111	ug/m^3	R_616	417506.09	3749407.04	70.86	0.00	70.86	
PERIOD		1.58617	ug/m^3	R_617	417506.09	3749432.04	71.07	0.00	71.07	
PERIOD		1.36319	ug/m^3	R_618	417506.09	3749457.04	71.20	0.00	71.20	
PERIOD		1.17894	ug/m^3	R_619	417506.09	3749482.04	71.35	0.00	71.35	
PERIOD		1.02434	ug/m^3	R_620	417506.09	3749507.04	71.62	0.00	71.62	
PERIOD		0.89332	ug/m^3	R_621	417506.09	3749532.04	72.07	0.00	72.07	
PERIOD		0.78625	ug/m^3	R_622	417506.09	3749557.04	71.88	0.00	71.88	
PERIOD		0.69352	ug/m^3	R_623	417506.09	3749582.04	71.97	0.00	71.97	
PERIOD		0.61331	ug/m^3	R_624	417506.09	3749607.04	72.32	0.00	72.32	
PERIOD		0.54482	ug/m^3	R_625	417506.09	3749632.04	72.58	0.00	72.58	
PERIOD		0.48716	ug/m^3	R_626	417506.09	3749657.04	72.35	0.00	72.35	
PERIOD		1.60421	ug/m^3	R_627	417531.09	3749407.04	71.33	0.00	71.33	
PERIOD		1.41343	ug/m^3	R_628	417531.09	3749432.04	71.50	0.00	71.50	
PERIOD		1.24644	ug/m^3	R_629	417531.09	3749457.04	71.53	0.00	71.53	
PERIOD		1.10037	ug/m^3	R_630	417531.09	3749482.04	71.56	0.00	71.56	
PERIOD		0.97243	ug/m^3	R_631	417531.09	3749507.04	71.73	0.00	71.73	

Sensitive Receptor Summary

Troy High School Improvements Project
Construction HRA

Concentration - Source Group: ONSITE

Averaging Period	Rank	Peak	Units	Receptor ID	X (m)	Y (m)	ZELEV (m)	ZFLAG (m)	ZHILL (m)	Peak Date, Start Hour
PERIOD		0.85979	ug/m^3	R_632	417531.09	3749532.04	72.16	0.00	72.16	
PERIOD		0.76570	ug/m^3	R_633	417531.09	3749557.04	71.96	0.00	71.96	
PERIOD		0.68241	ug/m^3	R_634	417531.09	3749582.04	72.05	0.00	72.05	
PERIOD		0.60883	ug/m^3	R_635	417531.09	3749607.04	72.42	0.00	72.42	
PERIOD		0.54503	ug/m^3	R_636	417531.09	3749632.04	72.70	0.00	72.70	
PERIOD		0.49063	ug/m^3	R_637	417531.09	3749657.04	72.48	0.00	72.48	
PERIOD		1.40235	ug/m^3	R_638	417556.09	3749407.04	71.41	0.00	71.41	
PERIOD		1.25953	ug/m^3	R_639	417556.09	3749432.04	71.56	0.00	71.56	
PERIOD		1.13111	ug/m^3	R_640	417556.09	3749457.04	71.59	0.00	71.59	
PERIOD		1.01530	ug/m^3	R_641	417556.09	3749482.04	71.63	0.00	71.63	
PERIOD		0.91070	ug/m^3	R_642	417556.09	3749507.04	71.79	0.00	71.79	
PERIOD		0.81596	ug/m^3	R_643	417556.09	3749532.04	72.19	0.00	72.19	
PERIOD		0.73489	ug/m^3	R_644	417556.09	3749557.04	72.04	0.00	72.04	
PERIOD		0.66151	ug/m^3	R_645	417556.09	3749582.04	72.18	0.00	72.18	
PERIOD		0.59560	ug/m^3	R_646	417556.09	3749607.04	72.56	0.00	72.56	
PERIOD		0.53768	ug/m^3	R_647	417556.09	3749632.04	72.80	0.00	72.80	
PERIOD		0.48762	ug/m^3	R_648	417556.09	3749657.04	72.54	0.00	72.54	
PERIOD		1.24611	ug/m^3	R_649	417581.09	3749407.04	71.24	0.00	71.24	
PERIOD		1.13002	ug/m^3	R_650	417581.09	3749432.04	71.38	0.00	71.38	
PERIOD		1.02611	ug/m^3	R_651	417581.09	3749457.04	71.47	0.00	71.47	

Sensitive Receptor Summary

Troy High School Improvements Project
Construction HRA

Concentration - Source Group: ONSITE

Averaging Period	Rank	Peak	Units	Receptor ID	X (m)	Y (m)	ZELEV (m)	ZFLAG (m)	ZHILL (m)	Peak Date, Start Hour
PERIOD		0.93146	ug/m^3	R_652	417581.09	3749482.04	71.63	0.00	71.63	
PERIOD		0.84497	ug/m^3	R_653	417581.09	3749507.04	71.90	0.00	71.90	
PERIOD		0.76597	ug/m^3	R_654	417581.09	3749532.04	72.26	0.00	72.26	
PERIOD		0.69718	ug/m^3	R_655	417581.09	3749557.04	72.12	0.00	72.12	
PERIOD		0.63373	ug/m^3	R_656	417581.09	3749582.04	72.27	0.00	72.27	
PERIOD		0.57574	ug/m^3	R_657	417581.09	3749607.04	72.64	0.00	72.64	
PERIOD		0.52383	ug/m^3	R_658	417581.09	3749632.04	72.94	0.00	72.94	
PERIOD		0.47812	ug/m^3	R_659	417581.09	3749657.04	72.86	0.00	72.86	
PERIOD		1.11255	ug/m^3	R_660	417606.09	3749407.04	71.71	0.00	71.71	
PERIOD		1.01397	ug/m^3	R_661	417606.09	3749432.04	71.85	0.00	71.85	
PERIOD		0.92827	ug/m^3	R_662	417606.09	3749457.04	71.85	0.00	71.85	
PERIOD		0.85110	ug/m^3	R_663	417606.09	3749482.04	71.84	0.00	71.84	
PERIOD		0.77968	ug/m^3	R_664	417606.09	3749507.04	71.98	0.00	71.98	
PERIOD		0.71360	ug/m^3	R_665	417606.09	3749532.04	72.37	0.00	72.37	
PERIOD		0.65567	ug/m^3	R_666	417606.09	3749557.04	72.21	0.00	72.21	
PERIOD		0.60131	ug/m^3	R_667	417606.09	3749582.04	72.35	0.00	72.35	
PERIOD		0.55084	ug/m^3	R_668	417606.09	3749607.04	72.74	0.00	72.74	
PERIOD		0.50492	ug/m^3	R_669	417606.09	3749632.04	73.11	0.00	73.11	
PERIOD		0.46373	ug/m^3	R_670	417606.09	3749657.04	73.23	0.00	73.23	
PERIOD		0.99657	ug/m^3	R_671	417631.09	3749407.04	72.27	0.00	72.27	

Sensitive Receptor Summary

Troy High School Improvements Project
Construction HRA

Concentration - Source Group: ONSITE

Averaging Period	Rank	Peak	Units	Receptor ID	X (m)	Y (m)	ZELEV (m)	ZFLAG (m)	ZHILL (m)	Peak Date, Start Hour
PERIOD		0.91235	ug/m^3	R_672	417631.09	3749432.04	72.34	0.00	72.34	
PERIOD		0.84021	ug/m^3	R_673	417631.09	3749457.04	72.24	0.00	72.24	
PERIOD		0.77598	ug/m^3	R_674	417631.09	3749482.04	72.12	0.00	72.12	
PERIOD		0.71684	ug/m^3	R_675	417631.09	3749507.04	72.15	0.00	72.15	
PERIOD		0.66140	ug/m^3	R_676	417631.09	3749532.04	72.48	0.00	72.48	
PERIOD		0.61252	ug/m^3	R_677	417631.09	3749557.04	72.31	0.00	72.31	
PERIOD		0.56608	ug/m^3	R_678	417631.09	3749582.04	72.48	0.00	72.48	
PERIOD		0.52273	ug/m^3	R_679	417631.09	3749607.04	72.81	0.00	72.81	
PERIOD		0.48295	ug/m^3	R_680	417631.09	3749632.04	73.08	0.00	73.08	
PERIOD		0.44681	ug/m^3	R_681	417631.09	3749657.04	73.12	0.00	73.12	
PERIOD		0.89695	ug/m^3	R_682	417656.09	3749407.04	72.04	0.00	72.04	
PERIOD		0.82509	ug/m^3	R_683	417656.09	3749432.04	72.14	0.00	72.14	
PERIOD		0.76290	ug/m^3	R_684	417656.09	3749457.04	72.16	0.00	72.16	
PERIOD		0.70754	ug/m^3	R_685	417656.09	3749482.04	72.20	0.00	72.20	
PERIOD		0.65732	ug/m^3	R_686	417656.09	3749507.04	72.29	0.00	72.29	
PERIOD		0.61103	ug/m^3	R_687	417656.09	3749532.04	72.47	0.00	72.47	
PERIOD		0.56931	ug/m^3	R_688	417656.09	3749557.04	72.40	0.00	72.40	
PERIOD		0.52964	ug/m^3	R_689	417656.09	3749582.04	72.61	0.00	72.61	
PERIOD		0.49260	ug/m^3	R_690	417656.09	3749607.04	72.89	0.00	72.89	
PERIOD		0.45864	ug/m^3	R_691	417656.09	3749632.04	72.98	0.00	72.98	

Sensitive Receptor Summary

Troy High School Improvements Project
Construction HRA

Concentration - Source Group: ONSITE

Averaging Period	Rank	Peak	Units	Receptor ID	X (m)	Y (m)	ZELEV (m)	ZFLAG (m)	ZHILL (m)	Peak Date, Start Hour
PERIOD		0.42768	ug/m^3	R_692	417656.09	3749657.04	72.76	0.00	72.76	
PERIOD		0.79899	ug/m^3	R_693	417681.09	3749407.04	72.24	0.00	72.24	
PERIOD		0.74022	ug/m^3	R_694	417681.09	3749432.04	72.35	0.00	72.35	
PERIOD		0.68847	ug/m^3	R_695	417681.09	3749457.04	72.41	0.00	72.41	
PERIOD		0.64212	ug/m^3	R_696	417681.09	3749482.04	72.48	0.00	72.48	
PERIOD		0.59989	ug/m^3	R_697	417681.09	3749507.04	72.61	0.00	72.61	
PERIOD		0.56091	ug/m^3	R_698	417681.09	3749532.04	72.82	0.00	72.82	
PERIOD		0.52551	ug/m^3	R_699	417681.09	3749557.04	72.85	0.00	72.85	
PERIOD		0.49222	ug/m^3	R_700	417681.09	3749582.04	72.98	0.00	72.98	
PERIOD		0.46103	ug/m^3	R_701	417681.09	3749607.04	73.13	0.00	73.13	
PERIOD		0.43196	ug/m^3	R_702	417681.09	3749632.04	73.21	0.00	73.21	
PERIOD		0.40488	ug/m^3	R_703	417681.09	3749657.04	73.17	0.00	73.17	

Meteorology Pathway

AERMOD

Met Input Data

Surface Met Data

Filename: kful_sfc_pfl\KFUL_V11_trimmed.sfc
Format Type: Default AERMET format

Profile Met Data

Filename: kful_sfc_pfl\KFUL_V11_trimmed.PFL
Format Type: Default AERMET format

Wind Speed

☐ Wind Speeds are Vector Mean (Not Scalar Means)

Wind Direction

Rotation Adjustment [deg]:

Potential Temperature Profile

Base Elevation above MSL (for Primary Met Tower): 26.00 [m]

Meteorological Station Data

Stations	Station No.	Year	X Coordinate [m]	Y Coordinate [m]	Station Name
Surface Upper Air		2018 2018	33.87	-117.99	Fullerton Arpt

Data Period

Data Period to Process

Start Date: 1/1/2018 Start Hour: 1 End Date: 12/31/2023 End Hour: 24

Wind Speed Categories

Stability Category	Wind Speed [m/s]	Stability Category	Wind Speed [m/s]
A	1.54	D	8.23
B	3.09	E	10.8
C	5.14	F	No Upper Bound

Output Pathway

Control Pathway

AERMOD

Dispersion Options

Titles

Troy High School Improvements Project
Construction HRA

Dispersion Options

- ☐ Regulatory Default
- ■ Non-Default Options

- ■ Flat & Elevated Terrain
- ☐ No Stack-Tip Downwash (NOSTD)
- ☐ Run in Screening Mode
- ☐ Conversion of NOx to NO2 (OLM or PVMRM)
- ☐ No Checks for Non-Sequential Met Data
- ■ Fast All Sources (FASTALL)
- ☐ Fast Area Sources (FASTAREA)
- ☐ Optimized Area Source Plume Depletion
- ☐ Gas Deposition

BETA Options:

- ☐ Capped and Horizontal Stack Releases
- ☐ Adjusted Friction Velocity (u*) in AERMET (ADJ_U*)
- ☐ Low Wind Options

- ☐ SCIM (Sampled Chronological Input Model)
- ☐ Ignore Urban Night / Daytime Transition (NOURBTRAN)

Dispersion Coefficient

Urban

Population:
Name (Optional):
Roughness Length:

Output Type

- ■ Concentration
- ☐ Total Deposition (Dry & Wet)
- ☐ Dry Deposition
- ☐ Wet Deposition

Plume Depletion

- ☐ Dry Removal
- ☐ Wet Removal

Output Warnings

- ☐ No Output Warnings
- ☐ Non-fatal Warnings for Non-sequential Met Data

Pollutant / Averaging Time / Terrain Options

Pollutant Type

Averaging Time Options

Hours

☐ 1	☐ 2	☐ 3	☐ 4	☐ 6	☐ 8	☐ 12	☐ 24

☐ Month ■ Period ☐ Annual

Exponential Decay

☐ Yes ■ No

Terrain Height Options

☐ Flat ■ Elevated

SO: Meters
RE: Meters
TG: Meters

Flagpole Receptors

☐ Yes ■ No

Default Height = 0.00 m

Control Pathway

Optional Files

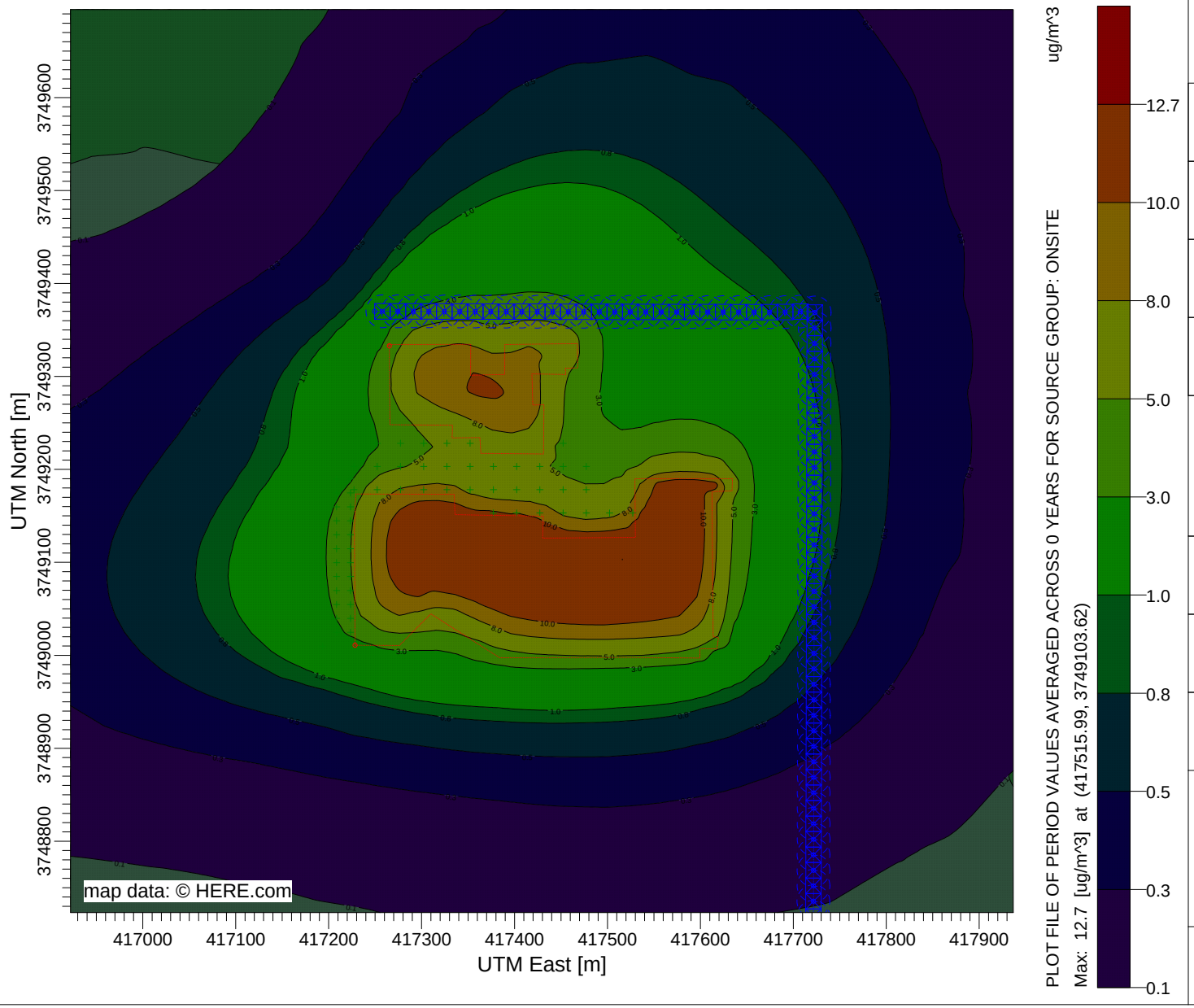
Re-Start File	Init File	Multi-Year Analyses	Event Input File	Error Listing File
☐	☐	☐	☐	■

Detailed Error Listing File

Filename: FHS-08_TroyHS_onsitestudents.err

PROJECT TITLE:

Troy High School Improvements Project
Construction HRA



COMMENTS:

SOURCES:
3

RECEPTORS:
2834

OUTPUT TYPE:
Concentration

MAX:
12.7 ug/m^3

COMPANY NAME:

MODELER:

DATE:
1/13/2026

SCALE: 1:6,614
0 0.2 km

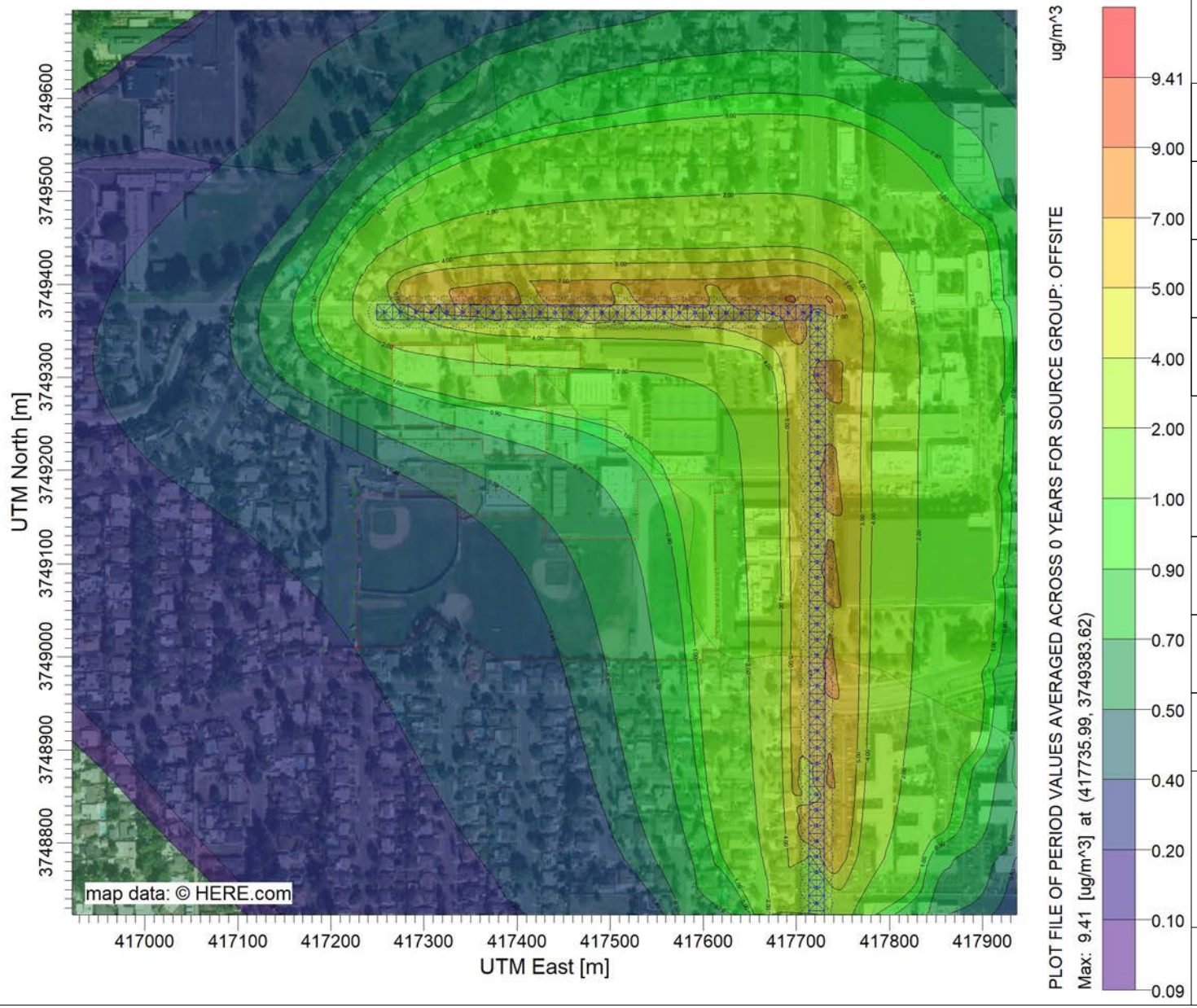
PROJECT NO.:

AERMOD View - Lakes Environmental Software

C:\Users\azimny\Desktop\FHS-08_TroyHS_onsitestudents\FHS-08_TroyHS_onsitestudents.isc

PROJECT TITLE:

Troy High School Improvements Project
Construction HRA



COMMENTS:

SOURCES:

3

RECEPTORS:

2834

OUTPUT TYPE:

Concentration

MAX:

9.41 ug/m^3

COMPANY NAME:

MODELER:

DATE:

1/13/2026

SCALE: 1:6,616

0 0.2 km

PROJECT NO.:

AERMOD View - Lakes Environmental Software

C:\Users\azimny\Desktop\FHS-08_TroyHS_onsitestudents\FHS-08_TroyHS_onsitestudents.isc

Source Pathway - Source Inputs

Source Pathway - Source Inputs

Polygon Area Sources

Source Type: AREA POLY

Source: 1 (FieldImprovements)

Base Elevation (Optional)	Release Height [m]	Emission Rate [g/ (s-m^2)]	Initial Vertical Dim. [m]	Number of Vertices (or sides)	X Coordinate for Vertices [m]	Y Coordinate for Vertices [m]
66.78	4.15	0.00001		21	417228.47	3749010.91
		0.00001			417227.66	3749137.83
		0.00001			417229.29	3749173.63
		0.00001			417335.05	3749173.23
		0.00001			417335.87	3749151.26
		0.00001			417431.06	3749149.63
		0.00001			417430.25	3749126.04
		0.00001			417529.91	3749126.85
		0.00001			417529.50	3749189.90
		0.00001			417634.46	3749189.90
		0.00001			417634.05	3749176.89
		0.00001			417612.49	3749176.07
		0.00001			417613.71	3749020.27
		0.00001			417619.41	3749019.05
		0.00001			417617.78	3749006.85
		0.00001			417599.47	3749007.25
		0.00001			417599.47	3748997.08
		0.00001			417522.59	3748997.90
		0.00001			417383.87	3748997.49
		0.00001			417309.83	3749044.68
		0.00001			417276.07	3749010.51

Source Pathway - Source Inputs

Source Type: AREA POLY

Source: 1.2 (Seismic/Mod_Improvements)

Base Elevation (Optional)	Release Height [m]	Emission Rate [g/ (s-m^2)]	Initial Vertical Dim. [m]	Number of Vertices (or sides)	X Coordinate for Vertices [m]	Y Coordinate for Vertices [m]
69.04	4.15	0.00001		22	417265.33	3749333.00
		0.00001			417265.92	3749248.06
		0.00001			417333.23	3749247.47
		0.00001			417332.93	3749233.95
		0.00001			417362.62	3749234.25
		0.00001			417363.79	3749217.20
		0.00001			417431.10	3749216.61
		0.00001			417431.69	3749268.56
		0.00001			417431.69	3749269.54
		0.00001			417419.64	3749269.22
		0.00001			417418.76	3749302.73
		0.00001			417455.20	3749302.14
		0.00001			417454.62	3749308.90
		0.00001			417468.14	3749309.20
		0.00001			417467.55	3749335.36
		0.00001			417389.57	3749334.36
		0.00001			417389.54	3749327.59
		0.00001			417389.38	3749302.17
		0.00001			417352.73	3749301.19
		0.00001			417352.90	3749334.68
		0.00001			417264.45	3749334.18
		0.00001			417264.45	3749333.59

Source Pathway - Source Inputs

Line Volume Sources

Source Type: LINE VOLUME

Source: 2 (Offsite (Haul))

Length of Side [m]	Emission Rate [g/ s]	Building Height [m]	X Coordinate for Points [m]	Y Coordinate for points [m]	Base Elevation [m]	Release Height [m]
16.67	1.00000		417249.47	3749370.05	69.22	4.15
			417686.21	3749369.08	72.08	4.15
			417723.04	3749370.23	72.13	4.15
			417722.02	3748865.10	68.50	4.15
			417721.54	3748708.58	67.25	4.15

Source Pathway - Source Inputs

Volume Sources Generated from Line Sources

Line Source ID	Volume Source ID	X Coordinate [m]	Y Coordinate [m]	Base Elevation [m]	Release Height [m[	Emission Rate [g/s]	Length of Side [m]	Building Height [m]	Initial Lateral Dimencion [m]	Initial Vertical Dimencion [m]
2	L0000001	417257.81	3749370.03	69.27	4.15	0.01471	16.67		7.75	3.28
	L0000002	417274.47	3749369.99	69.38	4.15	0.01471	16.67		7.75	3.28
	L0000003	417291.14	3749369.96	69.49	4.15	0.01471	16.67		7.75	3.28
	L0000004	417307.81	3749369.92	69.60	4.15	0.01471	16.67		7.75	3.28
	L0000005	417324.48	3749369.88	69.71	4.15	0.01471	16.67		7.75	3.28
	L0000006	417341.15	3749369.85	69.82	4.15	0.01471	16.67		7.75	3.28
	L0000007	417357.81	3749369.81	69.93	4.15	0.01471	16.67		7.75	3.28
	L0000008	417374.48	3749369.77	70.04	4.15	0.01471	16.67		7.75	3.28
	L0000009	417391.15	3749369.73	70.15	4.15	0.01471	16.67		7.75	3.28
	L0000010	417407.82	3749369.70	70.26	4.15	0.01471	16.67		7.75	3.28
	L0000011	417424.49	3749369.66	70.37	4.15	0.01471	16.67		7.75	3.28
	L0000012	417441.15	3749369.62	70.48	4.15	0.01471	16.67		7.75	3.28
	L0000013	417457.82	3749369.59	70.58	4.15	0.01471	16.67		7.75	3.28
	L0000014	417474.49	3749369.55	70.69	4.15	0.01471	16.67		7.75	3.28
	L0000015	417491.16	3749369.51	70.80	4.15	0.01471	16.67		7.75	3.28
	L0000016	417507.83	3749369.48	70.91	4.15	0.01471	16.67		7.75	3.28
	L0000017	417524.49	3749369.44	71.02	4.15	0.01471	16.67		7.75	3.28
	L0000018	417541.16	3749369.40	71.13	4.15	0.01471	16.67		7.75	3.28
	L0000019	417557.83	3749369.36	71.24	4.15	0.01471	16.67		7.75	3.28
	L0000020	417574.50	3749369.33	71.35	4.15	0.01471	16.67		7.75	3.28
	L0000021	417591.17	3749369.29	71.46	4.15	0.01471	16.67		7.75	3.28
	L0000022	417607.83	3749369.25	71.57	4.15	0.01471	16.67		7.75	3.28
	L0000023	417624.50	3749369.22	71.68	4.15	0.01471	16.67		7.75	3.28
	L0000024	417641.17	3749369.18	71.79	4.15	0.01471	16.67		7.75	3.28

Source Pathway - Source Inputs

AERMOD

Line Source ID	Volume Source ID	X Coordinate [m]	Y Coordinate [m]	Base Elevation [m]	Release Height [m[	Emission Rate [g/s]	Length of Side [m]	Building Height [m]	Initial Lateral Dimencion [m]	Initial Vertical Dimencion [m]
2	L0000025	417657.84	3749369.14	71.89	4.15	0.01471	16.67		7.75	3.28
	L0000026	417674.51	3749369.11	72.00	4.15	0.01471	16.67		7.75	3.28
	L0000027	417691.17	3749369.23	72.09	4.15	0.01471	16.67		7.75	3.28
	L0000028	417707.83	3749369.75	72.11	4.15	0.01471	16.67		7.75	3.28
	L0000029	417723.04	3749368.78	72.12	4.15	0.01471	16.67		7.75	3.28
	L0000030	417723.01	3749352.11	72.00	4.15	0.01471	16.67		7.75	3.28
	L0000031	417722.97	3749335.45	71.88	4.15	0.01471	16.67		7.75	3.28
	L0000032	417722.94	3749318.78	71.76	4.15	0.01471	16.67		7.75	3.28
	L0000033	417722.91	3749302.11	71.64	4.15	0.01471	16.67		7.75	3.28
	L0000034	417722.87	3749285.44	71.52	4.15	0.01471	16.67		7.75	3.28
	L0000035	417722.84	3749268.77	71.40	4.15	0.01471	16.67		7.75	3.28
	L0000036	417722.80	3749252.11	71.28	4.15	0.01471	16.67		7.75	3.28
	L0000037	417722.77	3749235.44	71.16	4.15	0.01471	16.67		7.75	3.28
	L0000038	417722.74	3749218.77	71.04	4.15	0.01471	16.67		7.75	3.28
	L0000039	417722.70	3749202.10	70.92	4.15	0.01471	16.67		7.75	3.28
	L0000040	417722.67	3749185.43	70.80	4.15	0.01471	16.67		7.75	3.28
	L0000041	417722.63	3749168.77	70.68	4.15	0.01471	16.67		7.75	3.28
	L0000042	417722.60	3749152.10	70.56	4.15	0.01471	16.67		7.75	3.28
	L0000043	417722.57	3749135.43	70.44	4.15	0.01471	16.67		7.75	3.28
	L0000044	417722.53	3749118.76	70.32	4.15	0.01471	16.67		7.75	3.28
	L0000045	417722.50	3749102.09	70.20	4.15	0.01471	16.67		7.75	3.28
	L0000046	417722.46	3749085.43	70.08	4.15	0.01471	16.67		7.75	3.28
	L0000047	417722.43	3749068.76	69.96	4.15	0.01471	16.67		7.75	3.28
	L0000048	417722.40	3749052.09	69.84	4.15	0.01471	16.67		7.75	3.28
	L0000049	417722.36	3749035.42	69.72	4.15	0.01471	16.67		7.75	3.28

Source Pathway - Source Inputs

AERMOD

Line Source ID	Volume Source ID	X Coordinate [m]	Y Coordinate [m]	Base Elevation [m]	Release Height [m[	Emission Rate [g/s]	Length of Side [m]	Building Height [m]	Initial Lateral Dimencion [m]	Initial Vertical Dimencion [m]
2	L0000050	417722.33	3749018.75	69.60	4.15	0.01471	16.67		7.75	3.28
	L0000051	417722.29	3749002.09	69.48	4.15	0.01471	16.67		7.75	3.28
	L0000052	417722.26	3748985.42	69.36	4.15	0.01471	16.67		7.75	3.28
	L0000053	417722.23	3748968.75	69.24	4.15	0.01471	16.67		7.75	3.28
	L0000054	417722.19	3748952.08	69.13	4.15	0.01471	16.67		7.75	3.28
	L0000055	417722.16	3748935.41	69.01	4.15	0.01471	16.67		7.75	3.28
	L0000056	417722.12	3748918.75	68.89	4.15	0.01471	16.67		7.75	3.28
	L0000057	417722.09	3748902.08	68.77	4.15	0.01471	16.67		7.75	3.28
	L0000058	417722.06	3748885.41	68.65	4.15	0.01471	16.67		7.75	3.28
	L0000059	417722.02	3748868.74	68.53	4.15	0.01471	16.67		7.75	3.28
	L0000060	417721.98	3748852.07	68.40	4.15	0.01471	16.67		7.75	3.28
	L0000061	417721.92	3748835.41	68.26	4.15	0.01471	16.67		7.75	3.28
	L0000062	417721.87	3748818.74	68.13	4.15	0.01471	16.67		7.75	3.28
	L0000063	417721.82	3748802.07	68.00	4.15	0.01471	16.67		7.75	3.28
	L0000064	417721.77	3748785.40	67.86	4.15	0.01471	16.67		7.75	3.28
	L0000065	417721.72	3748768.73	67.73	4.15	0.01471	16.67		7.75	3.28
	L0000066	417721.67	3748752.07	67.60	4.15	0.01471	16.67		7.75	3.28
	L0000067	417721.62	3748735.40	67.46	4.15	0.01471	16.67		7.75	3.28
	L0000068	417721.57	3748718.73	67.33	4.15	0.01471	16.67		7.75	3.28

Results Summary

Troy High School Improvements Project
Construction HRA

Concentration - Source Group: OFFSITE

Averaging Period	Rank	Peak	Units	X (m)	Y (m)	ZELEV (m)	ZFLAG (m)	ZHILL (m)	Peak Date, Start Hour
PERIOD		9.41293	ug/m^3	417735.99	3749383.62	72.44	0.00	72.44	

Concentration - Source Group: ONSITE

Averaging Period	Rank	Peak	Units	X (m)	Y (m)	ZELEV (m)	ZFLAG (m)	ZHILL (m)	Peak Date, Start Hour
PERIOD		12.72985	ug/m^3	417515.99	3749103.62	69.66	0.00	69.66	

Sensitive Receptor Summary

Troy High School Improvements Project
Construction HRA

Concentration - Source Group: OFFSITE

Averaging Period	Rank	Peak	Units	Receptor ID	X (m)	Y (m)	ZELEV (m)	ZFLAG (m)	ZHILL (m)	Peak Date, Start Hour
PERIOD		0.31727	ug/m^3	STU_001	417227.23	3749178.13	67.54	0.00	67.54	
PERIOD		0.35968	ug/m^3	STU_002	417227.23	3749203.13	67.80	0.00	67.80	
PERIOD		0.34107	ug/m^3	STU_003	417252.23	3749178.13	67.92	0.00	67.92	
PERIOD		0.38908	ug/m^3	STU_004	417252.23	3749203.13	68.36	0.00	68.36	
PERIOD		0.45725	ug/m^3	STU_005	417252.23	3749228.13	68.48	0.00	68.48	
PERIOD		0.36602	ug/m^3	STU_006	417277.23	3749178.13	68.23	0.00	68.23	
PERIOD		0.41951	ug/m^3	STU_007	417277.23	3749203.13	68.81	0.00	68.81	
PERIOD		0.49692	ug/m^3	STU_008	417277.23	3749228.13	69.08	0.00	69.08	
PERIOD		0.39225	ug/m^3	STU_009	417302.23	3749178.13	68.36	0.00	68.36	
PERIOD		0.45072	ug/m^3	STU_010	417302.23	3749203.13	68.87	0.00	68.87	
PERIOD		0.53682	ug/m^3	STU_011	417302.23	3749228.13	69.17	0.00	69.17	
PERIOD		0.42015	ug/m^3	STU_012	417327.23	3749178.13	68.56	0.00	68.56	
PERIOD		0.48343	ug/m^3	STU_013	417327.23	3749203.13	68.95	0.00	68.95	
PERIOD		0.57729	ug/m^3	STU_014	417327.23	3749228.13	69.14	0.00	69.14	
PERIOD		0.45015	ug/m^3	STU_015	417352.23	3749178.13	68.79	0.00	68.79	
PERIOD		0.51702	ug/m^3	STU_016	417352.23	3749203.13	68.97	0.00	68.97	
PERIOD		0.61663	ug/m^3	STU_017	417352.23	3749228.13	69.10	0.00	69.10	
PERIOD		0.43340	ug/m^3	STU_018	417377.23	3749153.13	68.83	0.00	68.83	
PERIOD		0.48197	ug/m^3	STU_019	417377.23	3749178.13	68.96	0.00	68.96	
PERIOD		0.55136	ug/m^3	STU_020	417377.23	3749203.13	68.97	0.00	68.97	

Sensitive Receptor Summary

Troy High School Improvements Project
Construction HRA

Concentration - Source Group: OFFSITE

Averaging Period	Rank	Peak	Units	Receptor ID	X (m)	Y (m)	ZELEV (m)	ZFLAG (m)	ZHILL (m)	Peak Date, Start Hour
PERIOD		0.46660	ug/m^3	STU_021	417402.23	3749153.13	68.93	0.00	68.93	
PERIOD		0.51632	ug/m^3	STU_022	417402.23	3749178.13	69.02	0.00	69.02	
PERIOD		0.58734	ug/m^3	STU_023	417402.23	3749203.13	69.02	0.00	69.02	
PERIOD		0.50427	ug/m^3	STU_024	417427.23	3749153.13	68.98	0.00	68.98	
PERIOD		0.55463	ug/m^3	STU_025	417427.23	3749178.13	69.07	0.00	69.07	
PERIOD		0.62671	ug/m^3	STU_026	417427.23	3749203.13	69.16	0.00	69.16	
PERIOD		0.54831	ug/m^3	STU_027	417452.23	3749153.13	69.12	0.00	69.12	
PERIOD		0.59897	ug/m^3	STU_028	417452.23	3749178.13	69.26	0.00	69.26	
PERIOD		0.67139	ug/m^3	STU_029	417452.23	3749203.13	69.50	0.00	69.50	
PERIOD		0.77966	ug/m^3	STU_030	417452.23	3749228.13	69.82	0.00	69.82	
PERIOD		0.60136	ug/m^3	STU_031	417477.23	3749153.13	69.37	0.00	69.37	
PERIOD		0.65193	ug/m^3	STU_032	417477.23	3749178.13	69.50	0.00	69.50	
PERIOD		0.72380	ug/m^3	STU_033	417477.23	3749203.13	69.67	0.00	69.67	
PERIOD		0.66721	ug/m^3	STU_034	417502.23	3749153.13	69.63	0.00	69.63	
PERIOD		0.75196	ug/m^3	STU_035	417527.23	3749153.13	69.73	0.00	69.73	
PERIOD		0.18492	ug/m^3	STU_036	417193.54	3749009.69	66.44	0.00	66.44	
PERIOD		0.19687	ug/m^3	STU_037	417208.54	3749024.69	66.57	0.00	66.57	
PERIOD		0.20229	ug/m^3	STU_038	417208.54	3749039.69	66.54	0.00	66.54	
PERIOD		0.20829	ug/m^3	STU_039	417208.54	3749054.69	66.63	0.00	66.63	
PERIOD		0.21494	ug/m^3	STU_040	417208.54	3749069.69	66.73	0.00	66.73	

Sensitive Receptor Summary

Troy High School Improvements Project
Construction HRA

Concentration - Source Group: OFFSITE

Averaging Period	Rank	Peak	Units	Receptor ID	X (m)	Y (m)	ZELEV (m)	ZFLAG (m)	ZHILL (m)	Peak Date, Start Hour
PERIOD		0.22236	ug/m^3	STU_041	417208.54	3749084.69	66.82	0.00	66.82	
PERIOD		0.23073	ug/m^3	STU_042	417208.54	3749099.69	66.90	0.00	66.90	
PERIOD		0.24024	ug/m^3	STU_043	417208.54	3749114.69	66.96	0.00	66.96	
PERIOD		0.25116	ug/m^3	STU_044	417208.54	3749129.69	67.01	0.00	67.01	
PERIOD		0.26385	ug/m^3	STU_045	417208.54	3749144.69	67.10	0.00	67.10	
PERIOD		0.27868	ug/m^3	STU_046	417208.54	3749159.69	67.21	0.00	67.21	
PERIOD		0.29618	ug/m^3	STU_047	417208.54	3749174.69	67.32	0.00	67.32	
PERIOD		0.31701	ug/m^3	STU_048	417208.54	3749189.69	67.44	0.00	67.44	
PERIOD		0.20444	ug/m^3	STU_049	417223.54	3749024.69	66.73	0.00	66.73	
PERIOD		0.21009	ug/m^3	STU_050	417223.54	3749039.69	66.72	0.00	66.72	
PERIOD		0.21632	ug/m^3	STU_051	417223.54	3749054.69	66.77	0.00	66.77	
PERIOD		0.22322	ug/m^3	STU_052	417223.54	3749069.69	66.82	0.00	66.82	
PERIOD		0.23096	ug/m^3	STU_053	417223.54	3749084.69	66.89	0.00	66.89	
PERIOD		0.23972	ug/m^3	STU_054	417223.54	3749099.69	66.97	0.00	66.97	
PERIOD		0.24971	ug/m^3	STU_055	417223.54	3749114.69	67.04	0.00	67.04	
PERIOD		0.26124	ug/m^3	STU_056	417223.54	3749129.69	67.13	0.00	67.13	
PERIOD		0.27466	ug/m^3	STU_057	417223.54	3749144.69	67.22	0.00	67.22	
PERIOD		0.29040	ug/m^3	STU_058	417223.54	3749159.69	67.31	0.00	67.31	
PERIOD		0.30911	ug/m^3	STU_059	417223.54	3749174.69	67.45	0.00	67.45	
PERIOD		0.33153	ug/m^3	STU_060	417223.54	3749189.69	67.62	0.00	67.62	

Sensitive Receptor Summary

Troy High School Improvements Project
Construction HRA

Sensitive Receptor Summary

Troy High School Improvements Project
Construction HRA

Concentration - Source Group: ONSITE

Averaging Period	Rank	Peak	Units	Receptor ID	X (m)	Y (m)	ZELEV (m)	ZFLAG (m)	ZHILL (m)	Peak Date, Start Hour
PERIOD		3.73733	ug/m^3	STU_001	417227.23	3749178.13	67.54	0.00	67.54	
PERIOD		2.50609	ug/m^3	STU_002	417227.23	3749203.13	67.80	0.00	67.80	
PERIOD		6.66223	ug/m^3	STU_003	417252.23	3749178.13	67.92	0.00	67.92	
PERIOD		3.81326	ug/m^3	STU_004	417252.23	3749203.13	68.36	0.00	68.36	
PERIOD		2.92315	ug/m^3	STU_005	417252.23	3749228.13	68.48	0.00	68.48	
PERIOD		8.23183	ug/m^3	STU_006	417277.23	3749178.13	68.23	0.00	68.23	
PERIOD		4.80966	ug/m^3	STU_007	417277.23	3749203.13	68.81	0.00	68.81	
PERIOD		3.85645	ug/m^3	STU_008	417277.23	3749228.13	69.08	0.00	69.08	
PERIOD		8.88379	ug/m^3	STU_009	417302.23	3749178.13	68.36	0.00	68.36	
PERIOD		5.45877	ug/m^3	STU_010	417302.23	3749203.13	68.87	0.00	68.87	
PERIOD		4.74585	ug/m^3	STU_011	417302.23	3749228.13	69.17	0.00	69.17	
PERIOD		8.82193	ug/m^3	STU_012	417327.23	3749178.13	68.56	0.00	68.56	
PERIOD		5.96299	ug/m^3	STU_013	417327.23	3749203.13	68.95	0.00	68.95	
PERIOD		5.48981	ug/m^3	STU_014	417327.23	3749228.13	69.14	0.00	69.14	
PERIOD		7.45081	ug/m^3	STU_015	417352.23	3749178.13	68.79	0.00	68.79	
PERIOD		5.85687	ug/m^3	STU_016	417352.23	3749203.13	68.97	0.00	68.97	
PERIOD		6.21665	ug/m^3	STU_017	417352.23	3749228.13	69.10	0.00	69.10	
PERIOD		10.29913	ug/m^3	STU_018	417377.23	3749153.13	68.83	0.00	68.83	
PERIOD		6.75316	ug/m^3	STU_019	417377.23	3749178.13	68.96	0.00	68.96	
PERIOD		5.64207	ug/m^3	STU_020	417377.23	3749203.13	68.97	0.00	68.97	

Sensitive Receptor Summary

Troy High School Improvements Project
Construction HRA

Concentration - Source Group: ONSITE

Averaging Period	Rank	Peak	Units	Receptor ID	X (m)	Y (m)	ZELEV (m)	ZFLAG (m)	ZHILL (m)	Peak Date, Start Hour
PERIOD		10.03378	ug/m^3	STU_021	417402.23	3749153.13	68.93	0.00	68.93	
PERIOD		6.48798	ug/m^3	STU_022	417402.23	3749178.13	69.02	0.00	69.02	
PERIOD		5.50254	ug/m^3	STU_023	417402.23	3749203.13	69.02	0.00	69.02	
PERIOD		9.41327	ug/m^3	STU_024	417427.23	3749153.13	68.98	0.00	68.98	
PERIOD		6.33287	ug/m^3	STU_025	417427.23	3749178.13	69.07	0.00	69.07	
PERIOD		5.21779	ug/m^3	STU_026	417427.23	3749203.13	69.16	0.00	69.16	
PERIOD		7.66478	ug/m^3	STU_027	417452.23	3749153.13	69.12	0.00	69.12	
PERIOD		5.69202	ug/m^3	STU_028	417452.23	3749178.13	69.26	0.00	69.26	
PERIOD		4.67593	ug/m^3	STU_029	417452.23	3749203.13	69.50	0.00	69.50	
PERIOD		4.57114	ug/m^3	STU_030	417452.23	3749228.13	69.82	0.00	69.82	
PERIOD		7.15740	ug/m^3	STU_031	417477.23	3749153.13	69.37	0.00	69.37	
PERIOD		5.31778	ug/m^3	STU_032	417477.23	3749178.13	69.50	0.00	69.50	
PERIOD		4.22530	ug/m^3	STU_033	417477.23	3749203.13	69.67	0.00	69.67	
PERIOD		7.37426	ug/m^3	STU_034	417502.23	3749153.13	69.63	0.00	69.63	
PERIOD		8.67195	ug/m^3	STU_035	417527.23	3749153.13	69.73	0.00	69.73	
PERIOD		1.70381	ug/m^3	STU_036	417193.54	3749009.69	66.44	0.00	66.44	
PERIOD		2.64226	ug/m^3	STU_037	417208.54	3749024.69	66.57	0.00	66.57	
PERIOD		3.04254	ug/m^3	STU_038	417208.54	3749039.69	66.54	0.00	66.54	
PERIOD		3.32598	ug/m^3	STU_039	417208.54	3749054.69	66.63	0.00	66.63	
PERIOD		3.53010	ug/m^3	STU_040	417208.54	3749069.69	66.73	0.00	66.73	

Sensitive Receptor Summary

Troy High School Improvements Project
Construction HRA

Concentration - Source Group: ONSITE

Averaging Period	Rank	Peak	Units	Receptor ID	X (m)	Y (m)	ZELEV (m)	ZFLAG (m)	ZHILL (m)	Peak Date, Start Hour
PERIOD		3.66927	ug/m^3	STU_041	417208.54	3749084.69	66.82	0.00	66.82	
PERIOD		3.74363	ug/m^3	STU_042	417208.54	3749099.69	66.90	0.00	66.90	
PERIOD		3.76743	ug/m^3	STU_043	417208.54	3749114.69	66.96	0.00	66.96	
PERIOD		3.72790	ug/m^3	STU_044	417208.54	3749129.69	67.01	0.00	67.01	
PERIOD		3.55915	ug/m^3	STU_045	417208.54	3749144.69	67.10	0.00	67.10	
PERIOD		3.18481	ug/m^3	STU_046	417208.54	3749159.69	67.21	0.00	67.21	
PERIOD		2.65414	ug/m^3	STU_047	417208.54	3749174.69	67.32	0.00	67.32	
PERIOD		2.11629	ug/m^3	STU_048	417208.54	3749189.69	67.44	0.00	67.44	
PERIOD		3.23880	ug/m^3	STU_049	417223.54	3749024.69	66.73	0.00	66.73	
PERIOD		3.92578	ug/m^3	STU_050	417223.54	3749039.69	66.72	0.00	66.72	
PERIOD		4.40367	ug/m^3	STU_051	417223.54	3749054.69	66.77	0.00	66.77	
PERIOD		4.70068	ug/m^3	STU_052	417223.54	3749069.69	66.82	0.00	66.82	
PERIOD		4.87175	ug/m^3	STU_053	417223.54	3749084.69	66.89	0.00	66.89	
PERIOD		4.95719	ug/m^3	STU_054	417223.54	3749099.69	66.97	0.00	66.97	
PERIOD		4.95666	ug/m^3	STU_055	417223.54	3749114.69	67.04	0.00	67.04	
PERIOD		4.87927	ug/m^3	STU_056	417223.54	3749129.69	67.13	0.00	67.13	
PERIOD		4.68633	ug/m^3	STU_057	417223.54	3749144.69	67.22	0.00	67.22	
PERIOD		4.28902	ug/m^3	STU_058	417223.54	3749159.69	67.31	0.00	67.31	
PERIOD		3.62031	ug/m^3	STU_059	417223.54	3749174.69	67.45	0.00	67.45	
PERIOD		2.77581	ug/m^3	STU_060	417223.54	3749189.69	67.62	0.00	67.62	

Sensitive Receptor Summary

Troy High School Improvements Project
Construction HRA

Receptor Pathway

Receptor Networks

Note: Terrain Elavations and Flagpole Heights for Network Grids are in Page RE2 - 1 (If applicable)
Generated Discrete Receptors for Multi-Tier (Risk) Grid and Receptor Locations for Fenceline Grid are in Page RE3 - 1 (If applicable)

Discrete Receptors

Discrete Cartesian Receptors

Record Number	X-Coordinate [m]	Y-Coordinate [m]	Group Name (Optional)	Terrain Elevations	Flagpole Heights [m] (Optional)
1	417227.23	3749178.13		67.54	
2	417227.23	3749203.13		67.80	
3	417252.23	3749178.13		67.92	
4	417252.23	3749203.13		68.36	
5	417252.23	3749228.13		68.48	
6	417277.23	3749178.13		68.23	
7	417277.23	3749203.13		68.81	
8	417277.23	3749228.13		69.08	
9	417302.23	3749178.13		68.36	
10	417302.23	3749203.13		68.87	
11	417302.23	3749228.13		69.17	
12	417327.23	3749178.13		68.56	
13	417327.23	3749203.13		68.95	
14	417327.23	3749228.13		69.14	
15	417352.23	3749178.13		68.79	
16	417352.23	3749203.13		68.97	
17	417352.23	3749228.13		69.10	
18	417377.23	3749153.13		68.83	
19	417377.23	3749178.13		68.96	
20	417377.23	3749203.13		68.97	
21	417402.23	3749153.13		68.93	
22	417402.23	3749178.13		69.02	
23	417402.23	3749203.13		69.02	
24	417427.23	3749153.13		68.98	
25	417427.23	3749178.13		69.07	
26	417427.23	3749203.13		69.16	
27	417452.23	3749153.13		69.12	
28	417452.23	3749178.13		69.26	
29	417452.23	3749203.13		69.50	
30	417452.23	3749228.13		69.82	

31	417477.23	3749153.13	69.37
32	417477.23	3749178.13	69.50
33	417477.23	3749203.13	69.67
34	417502.23	3749153.13	69.63
35	417527.23	3749153.13	69.73
36	417193.54	3749009.69	66.44
37	417208.54	3749024.69	66.57
38	417208.54	3749039.69	66.54
39	417208.54	3749054.69	66.63
40	417208.54	3749069.69	66.73
41	417208.54	3749084.69	66.82
42	417208.54	3749099.69	66.90
43	417208.54	3749114.69	66.96
44	417208.54	3749129.69	67.01
45	417208.54	3749144.69	67.10
46	417208.54	3749159.69	67.21
47	417208.54	3749174.69	67.32
48	417208.54	3749189.69	67.44
49	417223.54	3749024.69	66.73
50	417223.54	3749039.69	66.72
51	417223.54	3749054.69	66.77
52	417223.54	3749069.69	66.82
53	417223.54	3749084.69	66.89
54	417223.54	3749099.69	66.97
55	417223.54	3749114.69	67.04
56	417223.54	3749129.69	67.13
57	417223.54	3749144.69	67.22
58	417223.54	3749159.69	67.31
59	417223.54	3749174.69	67.45
60	417223.54	3749189.69	67.62

Plant Boundary Receptors

Receptor Groups

Record Number	Group ID	Group Description
1	UCART1	Receptors generated from Uniform Cartesian Grid

Output Pathway

Meteorology Pathway

AERMOD

Met Input Data

Surface Met Data

Filename: kful_sfc_pfl\KFUL_V11_trimmed.sfc
Format Type: Default AERMET format

Profile Met Data

Filename: kful_sfc_pfl\KFUL_V11_trimmed.PFL
Format Type: Default AERMET format

Wind Speed

☐ Wind Speeds are Vector Mean (Not Scalar Means)

Wind Direction

Rotation Adjustment [deg]:

Potential Temperature Profile

Base Elevation above MSL (for Primary Met Tower): 26.10 [m]

Meteorological Station Data

Stations	Station No.	Year	X Coordinate [m]	Y Coordinate [m]	Station Name
Surface Upper Air		2018 2018	33.87	-117.99	Fullerton Arpt

Data Period

Data Period to Process

Start Date: 1/1/2018 Start Hour: 1 End Date: 12/31/2023 End Hour: 24

Wind Speed Categories

Stability Category	Wind Speed [m/s]	Stability Category	Wind Speed [m/s]
A	1.54	D	8.23
B	3.09	E	10.8
C	5.14	F	No Upper Bound