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To: Sunny Dharni, Hayden Park LLC
Date: April 3, 2026
Subject: Roseville Hayden Commercial Center Fuel Station – Health Risk Assessment

INTRODUCTION

This memorandum presents the results of a health risk assessment (HRA) associated with a fuel station (with six dispensers containing twelve fueling positions) within the proposed Hayden Commercial Center at 2551 Hayden Parkway in Roseville, California. The City of Roseville Planning Division requested that a HRA be completed for the proposed fuel station to evaluate the health impacts on nearby sensitive receptors. The proposed Hayden Commercial Center is preparing a Conditional Use Permit, Design Review Permit, and Tentative Parcel Map to allow construction of a 4,650 square feet fuel station with carwash, 10,000 square feet food court, 10,000 square feet retail building, and a 6,000 square feet restaurant building with drive thru.

A HRA is accomplished in four steps: 1) hazards identification, 2) exposure assessment, 3) toxicity assessment, and 4) risk characterization. These steps cover the estimation of air emissions, the estimation of the air concentrations resulting from a dispersion analysis, the incorporation of the toxicity of the pollutants emitted, and the characterization of the risk based on exposure parameters such as breathing rate, age adjustment factors, and exposure duration; each depending on receptor type (i.e., residence, school, daycare centers, hospitals, senior care facilities, recreational areas, adult, infant, child).

This HRA focuses on health impacts on existing residences and other sensitive receptors from emissions of toxic air contaminants (TAC or air toxics)¹ from operations associated with the fuel station. Air toxics emissions associated with the operations of the fuel station include benzene, ethylbenzene, toluene, and xylene (also known as BETX). CAPCOA's *Gasoline Service Station Industry-wide Risk Assessment Guidelines* was used to estimate volatile organic compounds (VOC) emissions that would result from the proposed fuel station.² Secondly, air toxics emissions (a speciated portion of the VOC emissions) associated with

¹ Toxic air contaminants are a broad class of compounds known to cause morbidity or mortality. TAC are found in ambient air, especially in urban areas, and are caused by industry, agriculture, fuel combustion, and commercial operations (e.g., gasoline service stations, dry cleaners). TAC are typically found in low concentrations, even near their source (e.g., diesel particulate matter near a freeway). Because chronic exposure can result in adverse health effects, TAC are regulated at the regional, state, and federal level.

² California Air Resources Board, *Gasoline Service Station Industrywide Risk Assessment Supplemental Policy Guidance Document*, July 21, 2022, <https://ww2.arb.ca.gov/resources/documents/gasoline-service-station-industrywide-risk-assessment-guidance>

gasoline storage tank transfer and fuel dispensing were estimated to evaluate if the project would cause a significant health risk impact.

A dispersion model, USEPA's AERMOD, was used to estimate the air concentration at sensitive receptors near the proposed fuel station. The relevant zone of influence for an assessment of health risks is within 1,000 feet of a project site. Residential land uses are located within 1,000 feet to the west, south, and east of the project site. Aldereen Senior Care, West Park High School, and Roseville Fire Station 9 are located more than 1,000 feet from the project site but were include in the analysis.

This HRA was conducted to determine the health impacts, in terms of cancer risk and non-cancer hazards, using the significance thresholds identified by the Placer County Air Pollution Control District (PCAPCD)'s *CEQA Handbook*.³ This HRA was prepared based on the California Office of Environmental Health Hazard Assessment (OEHHA)'s *Air Toxics Hot Spots Program Guidance Manual for Preparation of Health Risk Assessments*.⁴ The supporting information, methodology, assumptions, and detailed results associated with this HRA are provided in the **Health Risk Assessment Methodology, Assumptions, and Detailed Results** at the end of this narrative. Based on the HRA, the operational activities associated with the proposed fuel station would not cause a significant health impact.

SIGNIFICANCE THRESHOLDS

The significance of potential impacts was determined based on State CEQA Guidelines, Appendix G. Using Appendix G evaluation thresholds, the proposed project would be considered to have significant health impacts if it were to expose sensitive receptors to substantial pollutant concentrations.

The thresholds and methodologies from the PCAPCD's *CEQA Handbook* were used to evaluate the potential health impacts of operation of the proposed project. The thresholds of significance applied to assess project-level health impacts are:

- Exposure of persons by siting a new source of substantial levels of TAC resulting in (a) a cancer risk level greater than 10 in one million, or (b) a noncancerous risk (chronic or acute) hazard index greater than 1.0. For this threshold, sensitive receptors include residential uses, schools, parks, daycare centers, nursing homes, and medical centers.

California Air Pollution Control Officers Association's (CAPCOA) *Health Risk Assessment of Proposed Land Use Project* states sensitive land uses should be avoided within 300 feet of a large gas station (defined as a facility with a throughput of 3.6 million gallons per year or greater). Secondly, there should be a minimum of 50-foot distance between receptors and a typical gasoline dispensing facilities, that is,

³ Placer County Air Pollution Control District CEQA Guidebook, 2017, [https://www.placerair.org/1801/CEQA-Handbook and Appendix G. Preparing a Health Risk Assessment for Land Use Projects, https://www.placerair.org/DocumentCenter/View/2044/Appendix-G-Preparing-a-Health-Risk-Assessment-for-Land-Use-Projects-PDF](https://www.placerair.org/1801/CEQA-Handbook%20and%20Appendix%20G.%20Preparing%20a%20Health%20Risk%20Assessment%20for%20Land%20Use%20Projects-PDF)

⁴ Office of Environmental Health Hazard Assessment, *Air Toxics Hot Spots Program Guidance Manual for Preparation of Health Risk Assessments*, February 2015, http://oehha.ca.gov/air/hot_spots/hotspots2015.html

facilities with an annual throughput of less than 3.6 million gallons per year.⁵ The proposed project is a typical gasoline dispensing facility and would not be located within 50 feet of a sensitive receptor.

METHODOLOGY

Air Toxics Emission Inventory - Operational Gasoline Transfer and Dispensing

California Air Resources Board (CARB) has developed a list of TAC, where a TAC is “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 (California Health and Safety Code Section 39655). All USEPA hazardous air pollutants are TAC. CARB administers the Air Toxics “Hot Spots” program under Assembly Bill 2588 “Hot Spots” Information and Assessment Act, which requires periodic local review of facilities which emit TAC. Local air agencies periodically must prioritize stationary sources of TAC and prepare HRA for high-priority sources.

VOC emissions would result from fuel loading and breathing (both related to the underground storage tanks), refueling and spillage (both related to the fuel dispensing pumps). The following are additional details concerning these emission points:

- Loading emissions occur when a cargo tank truck unloads gasoline to the storage tanks.
- At the gasoline station, storage tank vapors are emitted from the vent pipe during the initial fuel transfer period. These emissions are significantly reduced when the vent pipe includes a pressure/vacuum valve.
- Gasoline vapors are emitted from the storage tank vent pipe due to temperature and pressure changes within the storage tank vapor space.
- During the refueling process, gasoline vapors are emitted at the vehicle/nozzle interface.
- Spillage emissions occur from the spills during vehicle fueling.
- Gasoline vapors can permeate the fuel delivery hoses. Low permeation hoses reduce the hose emissions.

CAPCOA’s *Gasoline Service Station Industry-wide Risk Assessment Guidelines* was used to estimate VOC emissions that would result from the proposed gasoline station.⁶ The calculations are based on maximum hourly gasoline throughput and a typical annual gasoline throughput based on estimate traffic volumes and number of fuel pumps with underground storage tanks and vapor recovery systems with a 90 percent overall control efficiency.

Emissions from gasoline storage tank transfer and fuel dispensing mainly occur during loading, breathing, refueling, spillage, and from hose permeation. VOC emission factors (in pounds/thousand gallons) were

⁵ California Air Pollution Control Officers Association, *Health Risk Assessment of Proposed Land Use Project*, July 2009, https://www.ncuaqmd.org/files/3a387b513/capcoa_hra_lu_guidelines_8-6-09.pdf

⁶ California Air Resources Board, *Gasoline Service Station Industrywide Risk Assessment Supplemental Policy Guidance Document*, July 21, 2022, <https://ww2.arb.ca.gov/resources/documents/gasoline-service-station-industrywide-risk-assessment-guidance>

obtained for enhanced vapor recovery from Table 7 of CAPCOA and CARB's *Gasoline Service Station Industrywide Risk Assessment Technical Guidance*.⁷ The following assumptions were used to calculate emissions from gasoline transfer and dispensing:

- Maximum hourly storage tank loading throughput of 8,800 gallons per hour and maximum hourly fuel dispensing throughput of 700 gallons per hour.⁸
- Annual throughput of 1.36 million gallons per year.⁹
- One regular unleaded gasoline of 20,000 gallons, one premium gasoline of 12,000 gallons, and one diesel of 8,000 gallons storage tanks.
- Six standard fueling stations serving twelve fueling positions.

The supporting information associated with the air toxics emissions are provided in the **Health Risk Assessment Methodology, Assumptions, and Detailed Results** at the end of this narrative.

Air Dispersion Modeling

Dispersion is the process by which atmospheric pollutants disseminate due to wind and vertical stability. The results of a dispersion analysis are used to assess pollutant concentrations at or near an emission source. The results of an analysis allow predicted concentrations of pollutants to be compared directly to air quality standards and other criteria such as health risks based on modeled concentrations. This HRA focuses on hourly and annual emissions from operation of the fuel station and the resultant maximum hourly and average annual modeled concentrations for the air toxics of concern.

Air dispersion modeling was performed to estimate the downwind dispersion of fugitive air toxics during fuel station operations. The following sections present the fundamental components of an air dispersion modeling analysis including air dispersion model selection and options, receptor locations, meteorological data, and source exhaust parameters.

Model Selection and Options

AERMOD (Version 24142)¹⁰ was used for the dispersion analysis. AERMOD is the USEPA preferred atmospheric dispersion modeling system for general industrial sources. The model can simulate point, area, volume, and line sources. AERMOD is the appropriate model for this analysis based on the coverage of simple, intermediate, and complex terrain. It also predicts both short-term and long-term (annual)

⁷ California Air Resources Board, *Gasoline Service Station Industrywide Risk Assessment Supplemental Policy Guidance Document*, July 21, 2022, <https://ww2.arb.ca.gov/resources/documents/gasoline-service-station-industrywide-risk-assessment-guidance>

⁸ California Air Resources Board, *Gasoline Service Station Risk Tool User Guide*, February 18, 2022, <https://ww2.arb.ca.gov/resources/documents/gasoline-service-station-industrywide-risk-assessment-guidance>

⁹ According to the California Annual Retail Fuel Outlet Report Results (<https://www.energy.ca.gov/data-reports/energy-almanac/transportation-energy/california-retail-fuel-outlet-annual-reporting>), the average retail annual throughput of gasoline fuel was 1,356,521 gallons during 2024. It is anticipated that for the proposed project, the throughput for gasoline would be equal to or lower than this value.

¹⁰ US Environmental Protection Agency, AERMOD Modeling System, <https://www.epa.gov/scram/air-quality-dispersion-modeling-preferred-and-recommended-models>

average concentrations. The model was executed using the regulatory default options (stack-tip downwash, buoyancy-induced dispersion, and final plume rise), default wind speed profile categories, default potential temperature gradients, and assuming no pollutant decay.

The selection of the appropriate dispersion coefficients depends on the land use within three kilometers (km) of the project site. The types of land use were based on the classification method defined by Auer (1978); using pertinent United States Geological Survey (USGS) 1:24,000 scale (7.5 minute) topographic maps of the area. If the Auer land use types of heavy industrial, light-to-moderate industrial, commercial, and compact residential account for 50 percent or more of the total area, the USEPA *Guideline on Air Quality Models*¹¹ recommends using urban dispersion coefficients; otherwise, the appropriate rural coefficients can be used. Based on observation of the area surrounding the project site, rural dispersion coefficients were applied within AERMOD (for dispersion modeling, urban coefficients are only applied to areas such as downtown Sacramento).

Receptor Locations

Some receptors are considered more sensitive to air pollutants than others, because of preexisting health problems, proximity to the emissions source, or duration of exposure to air pollutants. Land uses such as primary and secondary schools, hospitals, and convalescent homes are considered to be relatively sensitive to poor air quality because the very young, the old, and the infirm are more susceptible to respiratory infections and other air quality-related health problems than the general public. Residential areas are also considered sensitive to poor air quality because people in residential areas are often at home for extended periods. Recreational land users are moderately sensitive to air pollution because of vigorous exercise associated with recreation places having a high demand on respiratory system function.

The relevant zone of influence for an assessment of health risks is within 1,000 feet of a project site. Residential land uses are located within 1,000 feet to the west, south, and east of the project site. Potential residences receptors were also placed north of the project site. Aldereen Senior Care, West Park High School, and Roseville Fire Station are located more than 1,000 feet from the project site. Receptors were placed at a height of 3.9 feet or 1.2 meters (typical breathing height). Terrain elevations for receptor locations were used based on available USGS information for the area. AERMAP (Version 24142)¹² was used to develop terrain elevations.

Meteorological Data

Sacramento Metropolitan Air Quality Management District provides AERMOD-ready meteorological data within their monitoring network.¹³ Hourly meteorological data (2014 through 2018) from Sacramento International Airport were used in the dispersion modeling analysis. Wind directions are predominantly from the south-southeast with a low frequency of calm wind speed conditions (1.0 percent). The average

¹¹ US Environmental Protection Agency, *Guideline on Air Quality Models (Revised)*, 40 Code of Federal Regulations, Part 51, Appendix W, November 20, 2024, <https://www.epa.gov/scram/2024-appendix-w-final-rule>

¹² US Environmental Protection Agency, AERMAP, <https://www.epa.gov/scram/air-quality-dispersion-modeling-preferred-and-recommended-models>

¹³ Sacramento Metropolitan Air Quality Management District, AERMOD Meteorological Data Files. <https://www.airquality.org/Residents/CEQA-Land-Use-Planning/CEQA-Guidance-Tools>

annual wind speed is 8.1 miles per hour (3.6 meters per second).

Source Release Characteristics

Spillage and refueling emissions (from fuel dispensing) are treated as a volume source with a release height of 4.90 feet (1.50 meters), initial lateral dimension of 21.0 feet (6.40 meters) and initial vertical dimension of 6.10 feet (1.86 meters).¹⁴

Loading and breathing emissions (from storage tanks) are treated as a point source. Loading and breathing emissions used a stack height of 12 feet (3.66 meters), a stack diameter of 2 inches (0.051 meters), and an exhaust temperature of 65 Fahrenheit (291 Kelvin).¹⁵

It is assumed that the fuel station operates continuously throughout the year. Further, it is assumed that 85 percent of the daily emissions occur equally each hour from 6 a.m. to 8 p.m. and the remaining 15 percent of the daily emissions occur equally each hour from 8 p.m. to 6 a.m.¹⁶

The VOC emission factors and the specification factors (the portion of individual air toxics within the VOC emissions) for each air toxic were determined based on CARB guidance.¹⁷

HEALTH RISK ASSESSMENT METHODOLOGY

The HRA was conducted in accordance with OEHHA's *Air Toxics Hot Spots Program Guidance Manual for Preparation of Health Risk Assessments*.¹⁸ This was accomplished by applying the estimated concentrations at the receptors analyzed to the established cancer risk estimates and acceptable reference concentrations for non-cancer health effects. The 2015 OEHHA Guidelines include various updates that are protective of human health, particularly related to estimating potential risks in infants, children, and other sensitive receptors. Lifetime cancer risk, chronic hazard index (HIC), and acute hazard index (HIA) were calculated at each receptor.

Recent OEHHA's revisions to its *Guidance Manual* were primarily designed to ensure that the greater sensitivity of children to cancer and other health risks is reflected in HRA. For example, OEHHA now recommends that risks be analyzed separately for multiple age groups, focusing especially on young children and teenagers, rather than the past practice of analyzing risks to the general population, without distinction by age. OEHHA also now recommends that statistical "age sensitivity factors" be incorporated

¹⁴ California Air Resources Board, *Gasoline Service Station Industrywide Risk Assessment Supplemental Policy Guidance Document*, July 21, 2022, <https://ww2.arb.ca.gov/resources/documents/gasoline-service-station-industrywide-risk-assessment-guidance>

¹⁵ California Air Resources Board, *Gasoline Service Station Industrywide Risk Assessment Supplemental Policy Guidance Document*, July 21, 2022, <https://ww2.arb.ca.gov/resources/documents/gasoline-service-station-industrywide-risk-assessment-guidance>

¹⁶ California Air Resources Board, *Gasoline Service Station Industrywide Risk Assessment Supplemental Policy Guidance Document*, July 21, 2022, <https://ww2.arb.ca.gov/resources/documents/gasoline-service-station-industrywide-risk-assessment-guidance>

¹⁷ California Air Resources Board and California Air Pollution Control Officers Association, *Gasoline Service Station Industrywide Risk Assessment Technical Guidance*, February, 2022, https://ww2.arb.ca.gov/sites/default/files/2022-03/Draft%202022%20Gas%20Station%20IWG%20-%20Technical%20Guidance_ADA%20Compliant.pdf

¹⁸ Office of Environmental Health Hazard Assessment, *Air Toxics Hot Spots Program Guidance Manual for Preparation of Health Risk Assessments*, February 2015, http://oehha.ca.gov/air/hot_spots/hotspots2015.html

into a HRA, and that children's relatively high breathing rates be accounted for. On the other hand, the *Guidance Manual* revisions also include some changes that would reduce calculated health risks. For example, under the former guidance, OEHHA recommended that residential cancer risks be assessed by assuming 70 years of exposure at a residential receptor; under the *Guidance Manual*, this assumption is lessened to 30 years.

The proposed project would constitute a new emission source of air toxics due to operation of a fuel station. Studies have demonstrated that air toxics within volatile emissions of gasoline are a potential human carcinogen and that acute (short-term) and/or chronic (long-term) inhalation exposure to these air toxics poses a potential acute and/or chronic health impact.

Health effects from carcinogenic air toxics are usually described in terms of individual cancer risk. Individual cancer risk is the likelihood that a person exposed to air toxic concentrations over a 70-year lifetime will contract cancer, based on the use of standard risk-assessment methodology. The maximally exposed individual (MEI) represents the worst-case risk estimate, based on a theoretical person continuously exposed for a lifetime at the point of highest compound concentration in the air. This is a highly conservative assumption, since most people do not remain at home all day and on average residents change residences every 11 to 12 years. In addition, this assumption assumes that residents are experiencing outdoor concentrations for the entire exposure period.

This HRA analyzes the cancer risks to sensitive receptors in the vicinity of the proposed project, using emission rates (in pounds per hour and pounds per year) based on CAPCOA's *Gasoline Service Station Industry-wide Risk Assessment Guidelines*. Air toxics emission rates were input into the USEPA's AERMOD atmospheric dispersion model to calculate ambient air concentrations at receptors in the proposed project vicinity. This HRA is intended to provide a worst-case estimate of the increased exposure by employing a standard emission estimation program, an accepted pollutant dispersion model, approved toxicity factors, and conservative exposure parameters.

In accordance with OEHHA *Air Toxics Hot Spots Program Guidance Manual for Preparation of Health Risk Assessments*, this HRA was accomplished by applying the highest estimated concentrations of TAC at the receptors analyzed to the established cancer potency factors and acceptable reference concentrations for non-cancer health effects. Increased cancer risks were calculated using the modeled air toxics concentrations and OEHHA-recommended methodologies for both a child exposure (3rd trimester through two years of age) and adult exposure. The cancer risk calculations were based on applying the OEHHA-recommended age sensitivity factors and breathing rates, as well as fraction of time at home and an exposure duration of 30 years, to the air toxics concentration exposures. Age-sensitivity factors reflect the greater sensitivity of infants and small children to cancer causing air pollutants. The supporting methodology and assumptions used in this HRA are provided in **Health Risk Assessment Methodology, Assumptions, and Detailed Results** at the end of this narrative.

These conservative methodologies tend to overestimate both non-carcinogenic and carcinogenic health risk, possibly by an order of magnitude or more. Therefore, for carcinogenic risks, the actual probabilities of cancer formation in the populations of concern due to exposure to carcinogenic pollutants are likely to be lower than the risks derived using this HRA methodology. The extrapolation of toxicity data in animals to humans, the estimation of concentration prediction methods within dispersion models; and the

variability in lifestyles, fitness and other confounding factors of the human population also contribute to the overestimation of health impacts. Therefore, the results of this HRA are highly overstated.

Estimation of Cancer Risks Methodology

Cancer risk is defined as the lifetime probability of developing cancer from exposure to carcinogenic substances. Cancer risks are expressed as the chance in one million of getting cancer (i.e., number of cancer cases among one million people exposed). The cancer risks are assumed to occur exclusively through the inhalation pathway. The cancer risk can be estimated by using the cancer potency factor (milligrams per kilogram of body weight per day [mg/kg-day]), the 30-year annual average concentration (microgram per cubic meter [$\mu\text{g}/\text{m}^3$]), and the lifetime exposure adjustment.

Following guidelines established by OEHHA, the incremental cancer risks attributable to the proposed project were calculated by applying exposure parameters to modeled air toxics concentrations in order to determine the inhalation dose (mg/kg-day) or the amount of pollutants inhaled per body weight mass per day. The cancer risks occur exclusively through the inhalation pathway; therefore, the cancer risks can be estimated from the following equation:

$$\text{Dose-inh} = \frac{C_{\text{air}} * \{DBR\} * A * ASF * FAH * EF * ED * 10^{-6}}{AT}$$

where:

Dose-inh	= Dose of the toxic substance through inhalation in mg/kg-day
10^{-6}	= Micrograms to milligrams conversion, Liters to cubic meters conversion
C_{air}	= Concentration in air in microgram (μg)/cubic meter (m^3)
{DBR}	= Daily breathing rate in liter (L)/kg body weight – day
A	= Inhalation absorption factor, 1.0
ASF	= Age Sensitivity Factor
EF	= Exposure frequency (days/year)
ED	= Exposure duration (years)
FAH	= Fraction of Time at Home
AT	= Averaging time period over which exposure is averaged in days (25,550 days for a 70-year cancer risk)

To determine incremental cancer risk, the estimated inhalation dose attributed to the proposed project was multiplied by the cancer potency slope factor (cancer risk per mg/kg-day). The cancer potency slope factor is the upper bound on the increased cancer risk from lifetime exposure to a pollutant. These slope factors are based on epidemiological studies and are different values for different pollutants. This allows the estimated inhalation dose to be equated to a cancer risk.

Estimation of Non-Cancer Health Hazard Methodology

Non-cancer adverse health impacts, acute (short-term) and chronic (long-term), are measured against a hazard index (HI), which is defined as the ratio of the predicted incremental exposure concentration from

the proposed project to a published reference exposure level (REL) that could cause adverse health effects as established by OEHHA. The ratio (referred to as the Hazard Quotient [HQ]) of each non-carcinogenic substance that affects a certain organ system is added to produce an overall HI for that organ system. The overall HI is calculated as the total for each organ system. If the overall HI for the highest-impacted organ system is greater than one, then the impact is significant.

The HI is an expression used for the potential for non-cancer health effects. The relationship for the non-cancer health effects is given by the annual concentration (in $\mu\text{g}/\text{m}^3$) and the REL (in $\mu\text{g}/\text{m}^3$). The acute hazard index was determined using the “simple” concurrent maximum approach, which tends to be conservative (i.e., overpredicts).

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

$$\text{HI} = \text{C}/\text{REL}$$

where:

- HI = Hazard index; an expression of the potential for non-cancer health effects.
- C = Annual average concentration ($\mu\text{g}/\text{m}^3$) during the 70-year exposure period.
- REL = Concentration at which no adverse health effects are anticipated.

HEALTH RISK ASSESSMENT RESULTS

The following describes the HRA results (as shown in **Table 1**) associated with sensitive receptors due to project operations. The supporting methodology and assumptions used in this HRA are provided in **Health Risk Assessment Methodology, Assumptions, and Detailed Results** at the end of this narrative.

Table 1: Estimated Health Impacts for Proposed Project

Receptor Type	Cancer Risk (adult/child)	Hazard Impact (acute/chronic)
Existing Residences	0.01/0.05	0.21/<0.01
Potential Residences	0.03/0.10	0.20/<0.01
Roseville Fire Station	<0.01	0.04/<0.01
West Park High School	<0.01	0.02/<0.01
Aldereen Senior Care	<0.01	0.06/<0.01
Significance Threshold	10	1.0
Potentially Significant (Yes or No)?	No	No

Estimation of Cancer Risks

The maximum cancer risk from project operations emissions for an existing residential-adult receptor would be 0.01 per million persons and for an existing residential-child receptor would be 0.05 per million persons. Thus, the cancer risk is below the PCAPCD significance threshold of 10 per million and would have a **less than significant impact**. The maximum exposed individual existing residential receptor is located to the west of the project site.

The maximum cancer risk from project operations emissions for a potential residential-adult receptor would be 0.03 per million persons and for a potential residential-child receptor would be 0.10 per million

persons. Thus, the cancer risk is below the PCAPCD significance threshold of 10 per million and would have a **less than significant impact**. The maximum exposed individual potential residential receptor is located to the north of the project site.

The maximum cancer risk at other sensitive receptors (Roseville Fire Station, West Park High School, and Aldereen Senior Care) are also below the PCAPCD significance threshold of 10 per million and would have a **less than significant impact**.

Estimation of Non-Cancer Health Hazard

Both acute (short-term) and chronic (long-term) adverse health impacts unrelated to cancer are measured against a hazard index (HI), which is defined as the ratio of the exposure concentration from the proposed project to a reference exposure level (REL) that could cause adverse health effects. The REL are published by OEHHA based on epidemiological research. The ratio (referred to as the Hazard Quotient [HQ]) of each non-carcinogenic substance that affects a certain organ system is added to produce an overall HI for that organ system. The overall HI is calculated for each organ system. The impact is considered to be significant if the overall HI for the highest-impacted organ system is greater than 1.0.

For the existing residences, the acute HI would be 0.21. For the potential residences, the acute HI would be 0.20. The acute HI would be below the project-level threshold of 1 and the impact of the proposed project would therefore be **less than significant**. The chronic HI would be less than 0.01. The chronic HI would be below the project-level threshold of 1 and the impact of the proposed project would therefore be **less than significant**.

CONCLUSIONS

Based on the HRA, the operational activities associated with the proposed fuel station would not cause a significant health impact.

Attachment A

Health Risk Assessment Methodology

Air Toxics Emissions

Health Impact Results

AERMOD Input/Output

Health Risk Assessment Methodology

A health risk assessment (HRA) is accomplished in four steps: 1) hazards identification, 2) exposure assessment, 3) toxicity assessment, and 4) risk characterization. These steps cover the estimation of air emissions, the estimation of the air concentrations resulting from a dispersion analysis, the incorporation of the toxicity of the pollutants emitted, and the characterization of the risk based on exposure parameters such as breathing rate, age adjustment factors, and exposure duration; each depending on receptor type (i.e., residence, school, daycare centers, hospitals, senior care facilities, recreational areas, adult, infant, child).

This HRA was conducted in accordance with technical guidelines developed by federal, state, and regional agencies, including U.S. Environmental Protection Agency (USEPA), California Environmental Protection Agency (CalEPA), California Office of Environmental Health Hazard Assessment (OEHHA) *Air Toxics Hot Spots Program Guidance Manual for Preparation of Health Risk Assessments*.¹ This HRA focused on operation of the fuel station and air toxics emissions such as benzene, ethylbenzene, toluene, and xylene also known as BETX.

According to CalEPA, a HRA should not be interpreted as the expected rates of cancer or other potential human health effects, but rather as estimates of potential risk or likelihood of adverse effects based on current knowledge, under several highly conservative assumptions and the best assessment tools currently available.

TERMS AND DEFINITIONS

As the practice of conducting an HRA is particularly complex and involves concepts that are not altogether familiar to most people, several terms and definitions are provided that are considered essential to the understanding of the approach, methodology and results:

Acute effect – a health effect (non-cancer) produced within a short period of time (few minutes to several days) following exposure to toxic air contaminants (TAC).

Cancer risk – the probability of an individual contracting cancer from a lifetime (i.e., 70 year) exposure to TAC in the ambient air.

Chronic effect – a health effect (non-cancer) produced from a continuous exposure occurring over an extended period (weeks, months, years).

Hazard Index (HI) – the unitless ratio of an exposure level over the acceptable reference dose. The HI can be applied to multiple compounds in an additive manner.

Hazard Quotient (HQ) – the unitless ratio of an exposure level over the acceptable reference dose. The HQ is applied to individual compounds.

Toxic Air Contaminants – any air pollutant that can cause short-term (acute) and/or long-term (chronic or carcinogenic, i.e., cancer causing) adverse human health effects (i.e., injury or

¹ Office of Environmental Health Hazard Assessment, *Air Toxics Hot Spots Program Guidance Manual for Preparation of Health Risk Assessments*, March 6, 2015, http://oehha.ca.gov/air/hot_spots/hotspots2015.html.

illness). The current California list of TAC lists approximately 200 compounds, including particulate emissions from diesel-fueled engines.

Human Health Effects - comprise disorders such as eye watering, respiratory or heart ailments, and other (i.e., non-cancer) related diseases.

Health Risk Assessment – an analysis designed to predict the generation and dispersion of TAC in the outdoor environment, evaluate the potential for exposure of human populations, and to assess and quantify both the individual and population-wide health risks associated with those levels of exposure.

Incremental – under CEQA, the net difference (or change) in conditions or impacts when comparing the baseline to future year project conditions.

Maximum exposed individual (MEI) – an individual assumed to be located at the point where the highest concentrations of TAC, and therefore, health risks are predicted to occur.

Non-cancer risks – health risks such as eye watering, respiratory or heart ailments, and other non-cancer related diseases.

Receptors – the locations where potential health impacts or risks are predicted (i.e., schools, residences, and recreational sites).

LIMITATIONS AND UNCERTAINTIES

There are several important limitations and uncertainties commonly associated with an HRA due to the wide variability of human exposures to TAC, the extended timeframes over which the exposures are evaluated, and the inability to verify the results. Limitations and uncertainties associated with the HRA and identified by the CalEPA include: (a.) lack of reliable monitoring data; (b.) extrapolation of toxicity data in animals to humans; (c.) estimation errors in calculating TAC emissions; (d.) concentration prediction errors with dispersion models; and (e.) the variability in lifestyles, fitness and other confounding factors of the human population. This HRA was performed using the best available data and methodologies, notwithstanding the following uncertainties:

- There are uncertainties associated with the estimation of emissions from project activities. Where project-specific data, such as emission factors, are not available, default assumptions in emission models were used.
- The limitations of the air dispersion model provide a source of uncertainty in the estimation of exposure concentrations. According to USEPA, errors due to the limitation of the algorithms implemented in the air dispersion model in the highest estimated concentrations of +/- 10 percent to 40 percent are typical.²
- The source parameters used to model emission sources add uncertainty. For all emission sources, the source parameters used source-specific, recommended as defaults, or expected to

² US Environmental Protection Agency, *Guideline on Air Quality Models (Revised)*, 40 Code of Federal Regulations, Part 51, Appendix W, November 20, 2024, <https://www.epa.gov/scram/2024-appendix-w-final-rule>

produce more conservative results. Discrepancies might exist in actual emissions characteristics of an emission source and its representation in the dispersion model.

- The exposure duration estimates do not consider that people do not usually reside at the same location for 30 years and that other exposures (i.e., school children) are also of much shorter durations than was assumed in this HRA. This exposure duration is a highly conservative assumption, since most people do not remain at home all day and on average residents change residences every 11 to 12 years. In addition, this assumption adopts that residents are experiencing outdoor concentrations for the entire exposure period.
- For the risk and hazards calculations as well as the cumulative health impact, numerous assumptions must be made in order to estimate human exposure to pollutants. These assumptions include parameters such as breathing rates, exposure time and frequency, exposure duration, and human activity patterns. While a mean value derived from scientifically defensible studies is the best estimate of central tendency, most of the exposure variables used in this HRA are high-end estimates. The combination of several high-end estimates used as exposure parameters may substantially overestimate pollutant intake. The excess lifetime cancer risks calculated in this HRA are therefore likely to be higher than may be required to be protective of public health.

In summary, the estimated health impacts are based primarily on a series of conservative assumptions related to predicted environmental concentrations, exposure, and chemical toxicity. The use of conservative assumptions tends to produce upper-bound estimates of risk. Air Districts within California acknowledge this uncertainty by stating: “the methods used [to estimate risk] are conservative, meaning that the real risks from the source may be lower than the calculations, but it is unlikely that they will be higher.” The USEPA notes that the conservative assumptions used in a HRA are intended to assure that the estimated risks do not underestimate the actual risks posed by a site and that the estimated risks do not necessarily represent actual risks experienced by populations at or near a site.³

HAZARDS IDENTIFICATION

California Air Resources Board (CARB) has developed a list of TAC, where a TAC is “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 (California Health and Safety Code Section 39655). All USEPA hazardous air pollutants are TAC. CARB administers the Air Toxics “Hot Spots” program under Assembly Bill 2588 “Hot Spots” Information and Assessment Act, which requires periodic local review of facilities which emit TAC. Local air agencies periodically must prioritize stationary sources of TAC and prepare health risk assessments for high-priority sources.

Volatile organic compounds (VOC) emissions would result from fuel loading, breathing (both related to the underground storage tanks), refueling, and spillage (both related to the fuel pumps). The following are additional details concerning these emission points:

³ US Environmental Protection Agency, *Risk Assessment Guidance for Superfund Human Health Risk Assessment*, December 1989, https://www.epa.gov/sites/default/files/2015-09/documents/rags_a.pdf

- Loading emissions occur when a cargo tank truck unloads gasoline to the storage tanks.
- At the fuel station, storage tank vapors are emitted from the vent pipe during the initial fuel transfer period. These emissions are significantly reduced when the vent pipe includes a pressure/vacuum valve.
- Gasoline vapors are emitted from the storage tank vent pipe due to temperature and pressure changes within the storage tank vapor space.
- During the refueling process, gasoline vapors are emitted at the vehicle/nozzle interface.
- Spillage emissions occur from the spills during vehicle fueling.
- Gasoline vapors can permeate the fuel delivery hoses. Low permeation hoses reduce the hose emissions.

CAPCOA's *Gasoline Service Station Industry-wide Risk Assessment Guidelines* was used to estimate VOC emissions that would result from the proposed gasoline station.⁴ The calculations are based on maximum hourly gasoline throughput and a typical annual gasoline throughput based on estimate traffic volumes and number of fuel pumps with underground storage tanks and vapor recovery systems with a 90 percent overall control efficiency.

Air toxics emissions associated with gasoline transfer and dispensing. Emissions from gasoline transfer and dispensing mainly occur during loading, breathing, refueling, spillage, and from hose permeation. Total organic gas emission factors (pounds/thousand gallons) were obtained for enhanced vapor recovery from Table 7 of CAPCOA and CARB's *Gasoline Service Station Industrywide Risk Assessment Technical Guidance*.⁵ The following assumptions were used to calculate emissions from gasoline transfer and dispensing:

- Maximum hourly storage tank loading throughput of 8,800 gallons per hour and maximum hourly fuel dispensing throughput of 700 gallons per hour.
- Annual throughput of 1.36 million gallons per year.⁶
- One regular unleaded gasoline of 20,000 gallons, one premium gasoline of 12,000 gallons, and one diesel of 8,000 gallons storage tanks.
- Six standard fueling stations serving twelve fueling positions.

A brief description of the air toxics (benzene, ethylbenzene, toluene, and xylene also known as BETX) of concern from the operations of the fueling station are provided within the following:

⁴ California Air Resources Board, *Gasoline Service Station Industrywide Risk Assessment Supplemental Policy Guidance Document*, July 21, 2022, <https://ww2.arb.ca.gov/resources/documents/gasoline-service-station-industrywide-risk-assessment-guidance>

⁵ California Air Resources Board, *Gasoline Service Station Industrywide Risk Assessment Supplemental Policy Guidance Document*, July 21, 2022, <https://ww2.arb.ca.gov/resources/documents/gasoline-service-station-industrywide-risk-assessment-guidance>

⁶ According to the California Annual Retail Fuel Outlet Report Results (<https://www.energy.ca.gov/data-reports/energy-almanac/transportation-energy/california-retail-fuel-outlet-annual-reporting>), the average retail annual throughput of gasoline fuel was 1,356,521 gallons during 2024. It is anticipated that for the proposed project, the throughput for gasoline would be equal to or lower than this value.

Benzene

Benzene is a volatile, colorless, flammable liquid that has a sweet odor. It is a chemical intermediate in the synthesis of compounds such as plastics, resins, nylon, synthetic fibers, synthetic rubber, lubricants, dyes, detergents, drugs, and pesticides. Major sources of atmospheric releases include vehicle exhaust emissions, evaporative gasoline fumes, emissions from vehicle service stations, and industrial emissions. Other sources of atmospheric benzene include cigarette smoke and landfill emissions. Acute inhalation exposure to benzene can result in death, while high levels can cause drowsiness, dizziness, rapid heart rate, headaches, tremors, confusion, and unconsciousness. Eating or drinking foods containing high levels of benzene can cause vomiting, irritation of the stomach, dizziness, sleepiness, convulsions, rapid heart rate, and death.⁷

Ethyl Benzene

Ethylbenzene is a colorless, flammable liquid that smells like gasoline. It is found in natural products such as coal tar and petroleum and is also found in manufactured products such as inks, insecticides, and paints. Ethylbenzene is used primarily to make styrene, another chemical. Other uses include as a solvent, in fuels, and to make other chemicals. You can smell ethylbenzene in the air at two parts of ethylbenzene per million parts of air (2 ppm). It evaporates at room temperature and burns easily. The median levels of ethylbenzene in air are 0.62 ppb in city and suburban locations.⁸

Toluene

Toluene is a colorless, clear liquid that occurs naturally in crude oil. It is also produced in the manufacturing of gasoline and other fuels from crude oil. Airport-related sources of toluene include aircraft, ground service equipment, motor vehicles, heating plants, and gasoline fuel storage tanks. Low to moderate levels of toluene can affect the nervous system and cause tiredness, confusion, weakness, memory loss, nausea, loss of appetite, and hearing and color vision loss. Inhaling high levels of toluene in a short time can make a person feel light-headed, dizzy, or sleepy, and can cause unconsciousness and death.⁹

Xylenes

There are three forms of xylene in which the methyl groups vary on the benzene ring: meta-xylene, ortho-xylene, and para-xylene (m-, o-, and p-xylene). These different forms are referred to as isomers. Xylene is a colorless, sweet-smelling liquid that catches on fire easily. It occurs naturally in petroleum and coal tar. Chemical industries produce xylene from petroleum. It is one of the top 30 chemicals produced in the United States in terms of volume. Xylene is used as a solvent and in the printing, rubber,

⁷ Agency for Toxic Substance and Disease Registry ToxFAQ for Benzene, <https://www.atsdr.cdc.gov/toxfaqs/tfacts3.pdf>

⁸ Agency for Toxic Substance and Disease Registry ToxFAQ for Ethyl Benzene, <https://www.atsdr.cdc.gov/toxfaqs/tfacts110.pdf>

⁹ Agency for Toxic Substance and Disease Registry ToxFAQ for Toluene, <https://www.atsdr.cdc.gov/toxfaqs/tfacts56.pdf>

and leather industries. It is also used as a cleaning agent, a thinner for paint, and in paints and varnishes. It is found in small amounts in airplane fuel and gasoline.¹⁰

EXPOSURE ASSESSMENT

Dispersion is the process by which atmospheric pollutants disseminate due to wind and vertical stability. The results of a dispersion analysis are used to assess pollutant concentrations at or near an emission source. The results of an analysis allow predicted concentrations of pollutants to be compared directly to air quality standards and other criteria such as health risks based on modeled concentrations.

A rising pollutant plume reacts with the environment in several ways before it levels off. First, the plume's own turbulence interacts with atmospheric turbulence to entrain ambient air. This mixing process reduces and eventually eliminates the density and momentum differences that cause the plume to rise. Second, wind transports the plume during its rise and entrainment process. Higher winds mix the plume more rapidly, resulting in a lower final rise. Third, the plume interacts with the vertical temperature stratification of the atmosphere, rising because of buoyancy in the unstable-to-neutrally stratified mixed layer. However, after the plume encounters the mixing lid and the stably stratified air above, its vertical motion is dampened.

Molecules of gas or small particles injected into the atmosphere will separate from each other as they are acted on by turbulent eddies. The Gaussian mathematical model such as AERMOD simulates the dispersion of the gas or particles within the atmosphere. The formulation of the Gaussian model is based on the following assumptions:

- The predictions are not time-dependent (all conditions remain unchanged with time)
- The wind speed and direction are uniform, both horizontally and vertically, throughout the region of concern
- The rate of diffusion is not a function of position
- Diffusion in the direction of the transporting wind is negligible when compared to the transport flow

Dispersion Modeling Approach

Air dispersion modeling was performed to estimate the downwind dispersion of fugitive air toxics during service station operations. The following sections present the fundamental components of an air dispersion modeling analysis including air dispersion model selection and options, receptor locations, meteorological data, and source exhaust parameters.

Model Selection and Options

AERMOD (Version 24142)¹¹ was used for the dispersion analysis. AERMOD is the USEPA preferred atmospheric dispersion modeling system for general industrial sources. The model can simulate point,

¹⁰ Agency for Toxic Substance and Disease Registry ToxFAQ for Xylene, <https://www.atsdr.cdc.gov/toxfaqs/tfacts71.pdf>

¹¹ US Environmental Protection Agency, AERMOD Modeling System, <https://www.epa.gov/scram/air-quality-dispersion-modeling-preferred-and-recommended-models>

area, volume, and line sources. AERMOD is the appropriate model for this analysis based on the coverage of simple, intermediate, and complex terrain. It also predicts both short-term and long-term (annual) average concentrations. The model was executed using the regulatory default options (stack-tip downwash, buoyancy-induced dispersion, and final plume rise), default wind speed profile categories, default potential temperature gradients, and assuming no pollutant decay.

The selection of the appropriate dispersion coefficients depends on the land use within three kilometers (km) of the project site. The types of land use were based on the classification method defined by Auer (1978); using pertinent United States Geological Survey (USGS) 1:24,000 scale (7.5 minute) topographic maps of the area. If the Auer land use types of heavy industrial, light-to-moderate industrial, commercial, and compact residential account for 50 percent or more of the total area, the USEPA *Guideline on Air Quality Models*¹² recommends using urban dispersion coefficients; otherwise, the appropriate rural coefficients can be used. Based on observation of the area surrounding the project site, rural dispersion coefficients were applied within AERMOD (for dispersion modeling, urban coefficients are only applied to areas such as downtown Sacramento).

Receptor Locations

Some receptors are considered more sensitive to air pollutants than others, because of preexisting health problems, proximity to the emissions source, or duration of exposure to air pollutants. Land uses such as primary and secondary schools, hospitals, and convalescent homes are considered to be relatively sensitive to poor air quality because the very young, the old, and the infirm are more susceptible to respiratory infections and other air quality-related health problems than the general public. Residential areas are also considered sensitive to poor air quality because people in residential areas are often at home for extended periods. Recreational land users are moderately sensitive to air pollution because of vigorous exercise associated with recreation places having a high demand on respiratory system function.

The relevant zone of influence for an assessment of health risks is within 1,000 feet of a project site. Existing residential land uses are located within 1,000 feet to the west, south, and east of the project site. Potential residences receptors were also placed north of the project site. Aldereen Senior Care, West Park High School, and Roseville Fire Station 9 are located more than 1,000 feet from the project site. **Figure A-1** displays the location of the modeled receptors. Receptors were placed at a height of 3.9 feet or 1.2 meters (typical breathing height). Terrain elevations for receptor locations were used based on available USGS information for the area. AERMAP (Version 24142)¹³ was used to develop terrain elevations.

Meteorological Data

Hourly meteorological data (2014 through 2018) from Sacramento International Airport were used in the dispersion modeling analysis. **Figure A-2** displays the annual wind rose. Wind directions are

¹² US Environmental Protection Agency, *Guideline on Air Quality Models (Revised)*, 40 Code of Federal Regulations, Part 51, Appendix W, November 20, 2024, <https://www.epa.gov/scram/2024-appendix-w-final-rule>

¹³ US Environmental Protection Agency, AERMAP, <https://www.epa.gov/scram/air-quality-dispersion-modeling-preferred-and-recommended-models>

predominantly from the south-southeast with a low frequency of calm wind speed conditions (1.0 percent), as shown in **Figure A-3**. The average annual wind speed is 8.1 miles per hour (3.6 meters per second). Sacramento Metropolitan Air Quality Management District provides AERMOD-ready meteorological data within their monitoring network.¹⁴

Source Release Characteristics

Spillage and refueling emissions (from fuel dispensing) are treated as a volume source with a release height of 4.90 feet (1.5 meters), initial lateral dimension of 21.0 feet (6.40 meters) and initial vertical dimension of 6.10 feet (1.86 meters).¹⁵

Loading and breathing emissions (from storage tanks) are treated as a point source. Loading and breathing emissions used a stack height of 12 feet (3.66 meters), a stack diameter of 2 inches (0.051 meters), and an exhaust temperature of 65 Fahrenheit (291 Kelvin).¹⁶

It is assumed that the fuel station operates continuously throughout the year. Further, it is assumed that 85 percent of the daily emissions occur equally each hour from 6 a.m. to 8 p.m. and the remaining 15 percent of the daily emissions occur equally each hour from 8 p.m. to 6 a.m.¹⁷

The VOC emission factors and the specification factors (the portion of individual air toxics within the VOC emissions) for each air toxic were determined based on CARB guidance.¹⁸

¹⁴ Sacramento Metropolitan Air Quality Management District, AERMOD Meteorological Data Files. <https://www.airquality.org/Residents/CEQA-Land-Use-Planning/CEQA-Guidance-Tools>

¹⁵ California Air Resources Board, *Gasoline Service Station Industrywide Risk Assessment Supplemental Policy Guidance Document*, July 21, 2022, <https://ww2.arb.ca.gov/resources/documents/gasoline-service-station-industrywide-risk-assessment-guidance>

¹⁶ California Air Resources Board, *Gasoline Service Station Industrywide Risk Assessment Supplemental Policy Guidance Document*, July 21, 2022, <https://ww2.arb.ca.gov/resources/documents/gasoline-service-station-industrywide-risk-assessment-guidance>

¹⁷ California Air Resources Board, *Gasoline Service Station Industrywide Risk Assessment Supplemental Policy Guidance Document*, July 21, 2022, <https://ww2.arb.ca.gov/resources/documents/gasoline-service-station-industrywide-risk-assessment-guidance>

¹⁸ California Air Resources Board and California Air Pollution Control Officers Association, *Gasoline Service Station Industrywide Risk Assessment Technical Guidance*, February 18, 2022, <https://ww2.arb.ca.gov/sites/default/files/2022-03/Draft%202022%20Gas%20Station%20IWG%20-%20Technical%20Guidance%20ADA%20Compliant.pdf>

Figure A-1
Health Risk Assessment Sensitive Receptors

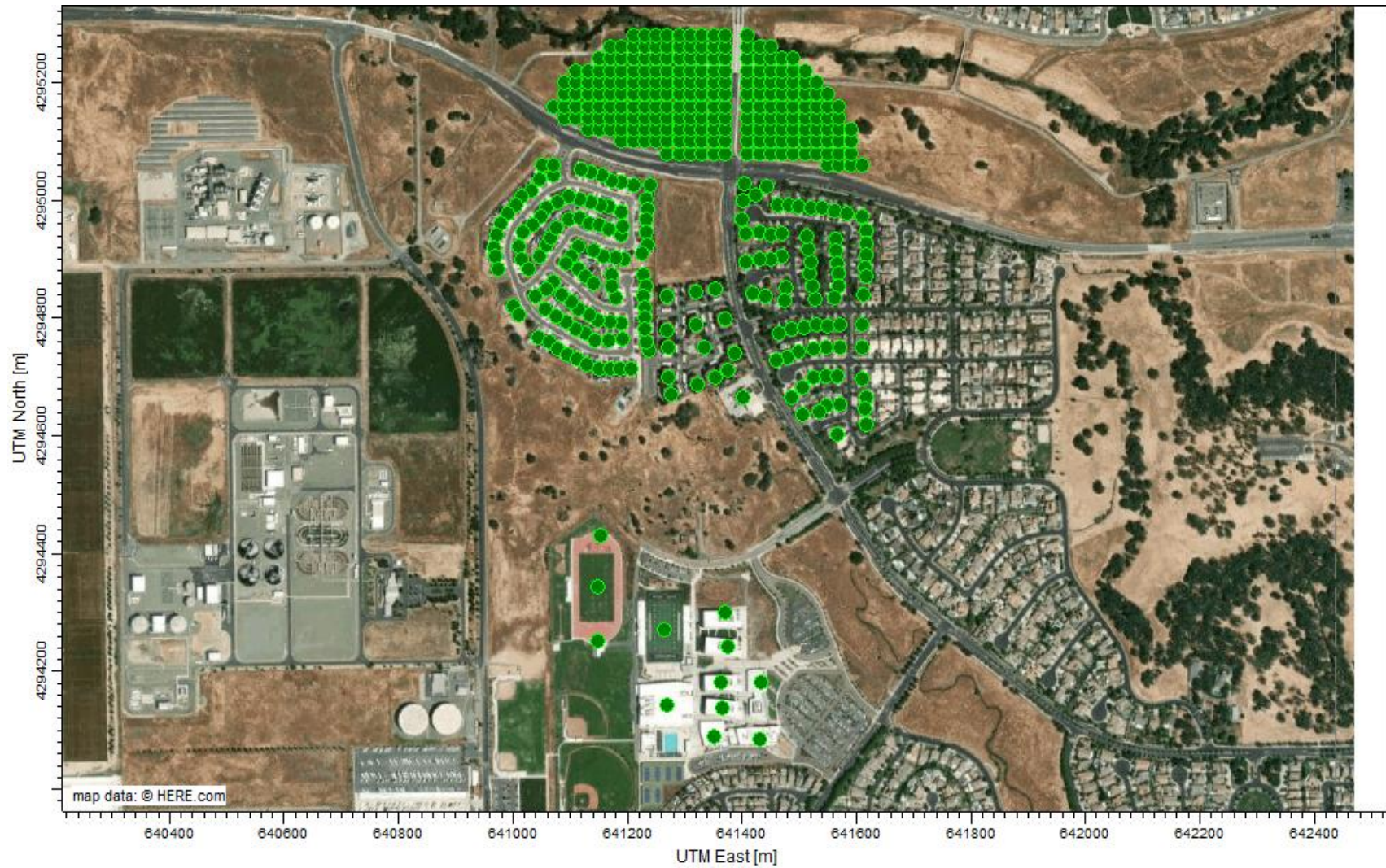


Figure A-2
Windrose for Sacramento International Airport

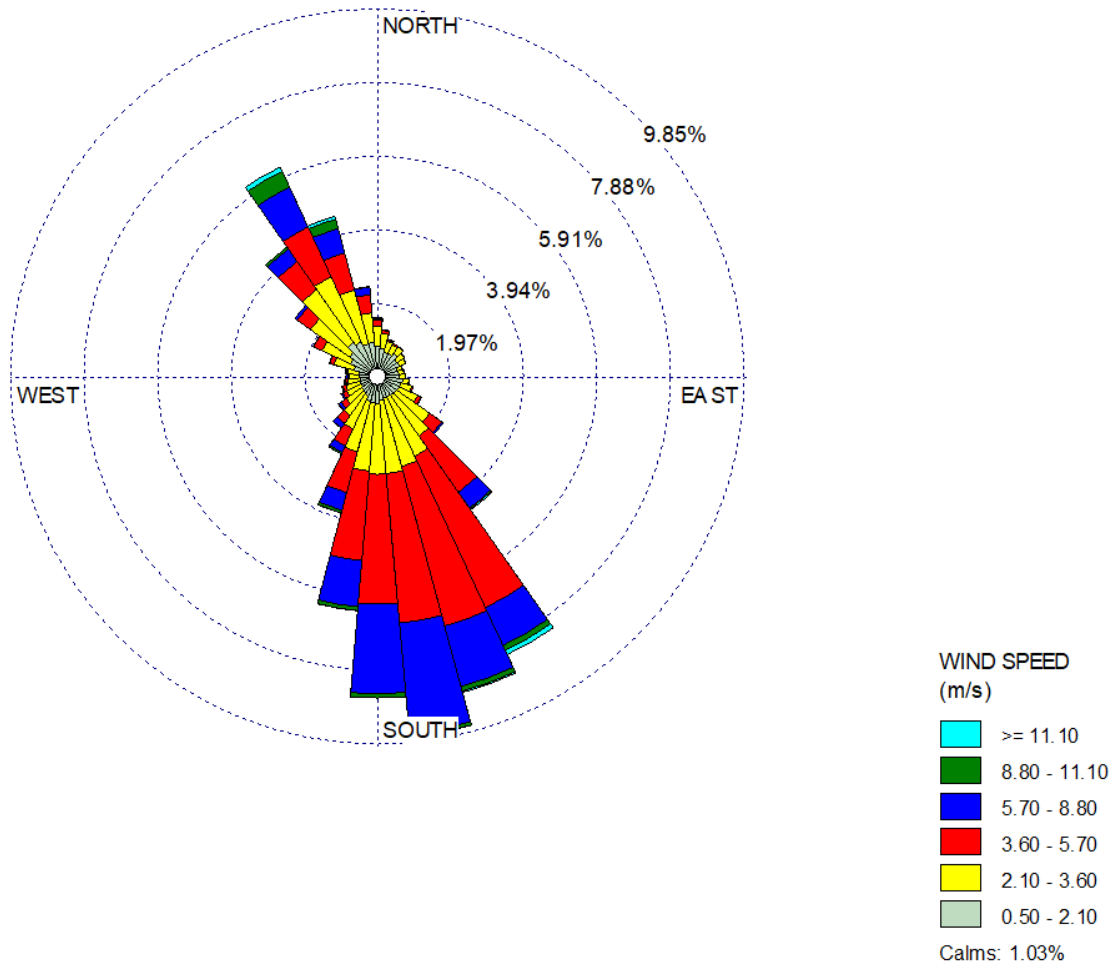
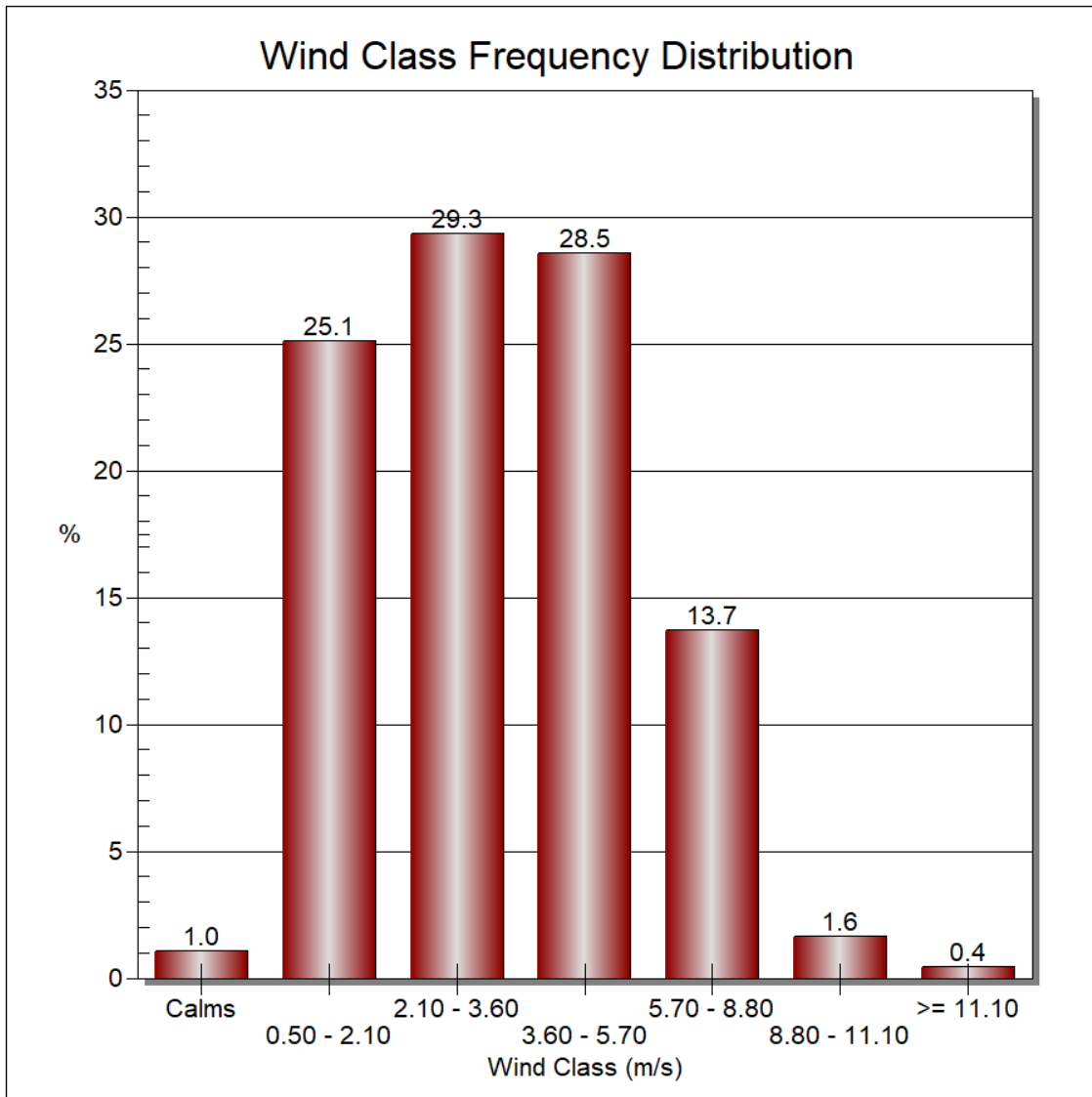


Figure A-3
Wind Speed Distribution for Sacramento International Airport



EXPOSURE PARAMETERS

This HRA was conducted following methodologies in OEHHA's *Air Toxics Hot Spots Program Guidance Manual for Preparation of Health Risk Assessments*.¹⁹ This was accomplished by applying the estimated concentrations at the receptors analyzed to the established cancer risk estimates and acceptable reference concentrations for non-cancer health effects.

OEHHA's revisions to its *Guidance Manual* were primarily designed to ensure that the greater sensitivity of children to cancer and other health risks is reflected in HRA. For example, OEHHA now recommends that risks be analyzed separately for multiple age groups, focusing especially on young children and teenagers, rather than the past practice of analyzing risks to the general population, without distinction by age. OEHHA also now recommends that statistical "age sensitivity factors" be incorporated into an HRA, and that children's relatively high breathing rates be accounted for. On the other hand, the *Guidance Manual* revisions also include some changes that would reduce calculated health risks. For example, under the former guidance, OEHHA recommended that residential cancer risks be assessed by assuming 70 years of exposure at a residential receptor; under the *Guidance Manual*, this assumption is lessened to 30 years.

OEHHA has developed exposure factors (e.g., daily breathing rates) for six age groups including the last trimester to birth, birth to 2 years, 2 to 9 years, 2 to 16 years, 16 to 30 years, and 16 to 70 years. These age bins allow for more refined exposure information to be used when estimating exposure and the potential for developing cancer over a lifetime. This means that exposure variates are needed for the third trimester, ages zero to less than two, ages two to less than nine, ages two to less than 16, ages 16 to less than 30, and ages 16 to 70. Residential receptors utilize the 95th percentile breathing rate values. The breathing rates are age-specific and are 1,090 liters per kilogram-day for ages less than 2 years, 745 liters per kilogram-day for ages 2 to 16 years, 335 liters per kilogram-day for ages 16 to 30 years, and 290 liters per kilogram-day for ages 30 to 70 years. A school child breathing rate is 520 liters per kilogram-day and an off-site worker breathing rate is 230 liters per kilogram-day.

OEHHA developed age sensitivity factors (ASF) to consider the increased sensitivity to carcinogens during early-in-life exposures. OEHHA recommends that cancer risks be weighted by a factor of 10 for exposures that occur from the third trimester of pregnancy to 2 years of age, and by a factor of 3 for exposures from 2 years through 15 years of age.

Based on OEHHA recommendations, the cancer risk to residential receptors assumes exposure occurs 24 hours per day for 350 days per year while accounting for a percentage of time at home. OEHHA evaluated information from activity pattern databases to estimate the fraction of time at home (FAH) during the day. This information was used to adjust exposure duration and cancer risk based on the assumption that a person is not present at home continuously for 24 hours and therefore exposure to emissions is not occurring when a person is away from their home. In general, the FAH factors are age-specific and are 0.85 for ages less than 2 years, 0.72 for ages 2 to 16 years, and 0.73 for ages 30 to 70 years.

¹⁹ Office of Environmental Health Hazard Assessment, *Air Toxics Hot Spots Program Guidance Manual for Preparation of Health Risk Assessments*, March 6, 2015, http://oehha.ca.gov/air/hot_spots/hotspots2015.html

OEHHA has decreased the exposure duration currently being used for estimating cancer risk at the maximum exposed individual resident from 70 years to 30 years. This is based on studies showing that 30 years is a reasonable estimate of the 90th to 95th percentile of residency duration in the population. Additionally, OEHHA recommends using the 9 and 70-year exposure duration to represent the potential impacts over the range of residency periods.

Based on OEHHA recommendations, nearby residences assume an exposure duration of 350 days per year over the project duration. **Table A-1** presents a summary of the health risk assessment exposure factors.

Table A-1
Health Risk Assessment Exposure Factors

Receptor	Age	Age Specific Factor	Breathing Rate (L/kg-day)	Fraction of Time	Exposure Years	Daily Exposure	Annual Exposure
Residential	Third Trimester	10	361	0.85	0.33	24 hours	350 days
	0 to 2	10	1,090	0.85	2	24 hours	350 days
	2 to 16	3	572	0.72	14	24 hours	350 days
	16 to 30	1	261	0.73	14	24 hours	350 days
High School	16 to 30	1	261	0.73	4	10 hours	180 days
Offsite Worker	16 to 70	1	290	1	25	10 hours	250 days
Senior Care	50 to 70	1	290	0.73	20	24 hours	350 days

Source: Office of Environmental Health Hazard Assessment, *Air Toxics Hot Spots Program Guidance Manual for Preparation of Health Risk Assessments*, March 6, 2015, http://oehha.ca.gov/air/hot_spots/hotspots2015.html

RISK CHARACTERIZATION

Cancer risk is defined as the lifetime probability of developing cancer from exposure to carcinogenic substances. Cancer risks are expressed as the chance in one million of getting cancer (i.e., number of cancer cases among one million people exposed). The cancer risks are assumed to occur exclusively through the inhalation pathway. The cancer risk can be estimated by using the cancer potency factor (milligrams per kilogram of body weight per day [mg/kg-day]), the 30-year annual average concentration (microgram per cubic meter [$\mu\text{g}/\text{m}^3$]), and the lifetime exposure adjustment.

Following guidelines established by OEHHA, the incremental cancer risks attributable to the proposed project were calculated by applying exposure parameters to modeled air toxics concentrations in order to determine the inhalation dose (mg/kg-day) or the amount of pollutants inhaled per body weight mass per day. The cancer risks occur exclusively through the inhalation pathway; therefore, the cancer risks can be estimated from the following equation:

$$\text{Dose-inh} = \frac{C_{\text{air}} * \{DBR\} * A * ASF * FAH * EF * ED * 10^{-6}}{AT}$$

where:

- Dose-inh = Dose of the toxic substance through inhalation in mg/kg-day
- 10^{-6} = Micrograms to milligrams conversion, Liters to cubic meters conversion
- C_{air} = Concentration in air in microgram (μg)/cubic meter (m^3)

{DBR}	= Daily breathing rate in liter (L)/kg body weight – day
A	= Inhalation absorption factor, 1.0
ASF	= Age Sensitivity Factor
EF	= Exposure frequency (days/year)
ED	= Exposure duration (years)
FAH	= Fraction of Time at Home
AT	= Averaging time period over which exposure is averaged in days (25,550 days for a 70-year cancer risk)

To determine incremental cancer risk, the estimated inhalation dose attributed to the proposed project was multiplied by the cancer potency slope factor (cancer risk per mg/kg-day). The cancer potency slope factor is the upper bound on the increased cancer risk from lifetime exposure to a pollutant. These slope factors are based on epidemiological studies and are different values for different pollutants. This allows the estimated inhalation dose to be equated to a cancer risk.

Non-cancer adverse health impacts, acute (short-term) and chronic (long-term), are measured against a hazard index (HI), which is defined as the ratio of the predicted incremental exposure concentration from the proposed project to a published reference exposure level (REL) that could cause adverse health effects as established by OEHHA. The ratio (referred to as the Hazard Quotient [HQ]) of each non-carcinogenic substance that affects a certain organ system is added to produce an overall HI for that organ system. The overall HI is calculated as the total for each organ system. If the overall HI for the highest-impacted organ system is greater than one, then the impact is significant.

The HI is an expression used for the potential for non-cancer health effects. The relationship for the non-cancer health effects is given by the annual concentration (in $\mu\text{g}/\text{m}^3$) and the REL (in $\mu\text{g}/\text{m}^3$). The acute hazard index was determined using the “simple” concurrent maximum approach, which tends to be conservative (i.e., overpredicts).

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

$$\text{HI} = \text{C}/\text{REL}$$

where:

HI	= Hazard index; an expression of the potential for non-cancer health effects.
C	= Annual average concentration ($\mu\text{g}/\text{m}^3$) during the 70-year exposure period.
REL	= Concentration at which no adverse health effects are anticipated.

Table A-2 presents a summary of the pollutant toxicity values.

Table A-2
Health Risk Assessment Toxicity Values

Pollutant	Slope Factor (mg/kg-day)	Acute REL (µg/m³)	Chronic REL (µg/m³)
Benzene	0.1	27	3
Ethylbenzene	0.0087	-	2000
Toluene	-	5000	420
Xylene	-	22000	700
Naphthalene	0.12	9	-
n-hexane	-	-	7000
Propylene	-	-	3000

Source: Office of Environmental Health Hazards Assessment – Chemical Database, <https://oehha.ca.gov/chemicals>

Air Toxics Emissions from Underground Gasoline Tanks

Tank Number	Tank Capacity (gal)	Throughput (gal/hr)	Throughput (gal/yr)	Breathing Emission	Loading Emission	VOC Emissions (lb/hr)	VOC Emissions (lb/yr)	VOC Emissions (ton/yr)
				Rate (lb/10 ³ gal gas)	Rate (lb/10 ³ gal gas)			
1	20,000	5,500	847,825	0.024	0.150	0.957	147.5	0.074
2	12,000	3,300	508,695	0.024	0.150	0.574	88.5	0.044
Total Breathing	32,000	8,800	1,356,521	0.024		0.211	33	0.016
Total Loading	32,000	8,800	1,356,521		0.150	1.320	203.5	0.102

Breathing
 2.66E-02 Hourly (g/s)
 4.68E-04 Annual (g/s)

Loading
 1.66E-01 Hourly (g/s)
 2.93E-03 Annual (g/s)

	Breathing lb/hr	Breathing lb/year
benzene	1.16E-03	1.49E-01
naphthalene	9.40E-07	1.45E-04
o-xylene	1.08E-03	1.33E-01
ethylbenzene	2.26E-04	3.48E-02
m-xylene	1.08E-03	1.33E-01
toluene	2.85E-03	3.61E-01
n-hexane	3.84E-03	5.93E-01
Propylene	7.60E-06	1.17E-03

	Loading lb/hr	Loading lb/year
benzene	7.25E-03	9.30E-01
naphthalene	5.87E-06	9.05E-04
o-xylene	6.72E-03	8.32E-01
ethylbenzene	1.41E-03	2.18E-01
m-xylene	6.72E-03	8.32E-01
toluene	1.78E-02	2.26E+00
n-hexane	2.40E-02	3.70E+00
Propylene	4.75E-05	7.33E-03

Air Toxics Emissions from Fuel Dispensing

Throughput (gal/hr)	Throughput (gal/yr)	Emission Factor (lb VOC 10 ³ /gal)		VOC Emissions (lb/hr)	VOC Emissions (lb/yr)	VOC Emissions (ton/yr)
700	1,356,521	0.098	Refueling	0.068	133	0.066
700	1,356,521	0.240	Spillage	0.168	326	0.163
			Total	0.236	458	0.229

	Refueling		Spillage
8.63E-03	Hourly (g/s)	2.12E-02	Hourly (g/s)
1.91E-03	Annual (g/s)	4.68E-03	Annual (g/s)

	Refueling lb/hr	Refueling lb/year		Spillage lb/hr	Spillage lb/year
benzene	3.76E-04	6.06E-01	benzene	1.18E-03	2.30E+00
naphthalene	3.05E-07	5.91E-04	naphthalene	2.92E-04	5.66E-01
o-xylene	3.49E-04	5.43E-01	o-xylene	1.16E-02	2.15E+01
ethylbenzene	7.33E-05	1.42E-01	ethylbenzene	2.17E-03	4.20E+00
m-xylene	3.49E-04	5.43E-01	m-xylene	1.16E-02	2.15E+01
toluene	9.24E-04	1.47E+00	toluene	9.74E-03	1.89E+01
n-hexane	1.25E-03	2.42E+00	n-hexane	3.12E-03	6.06E+00
Propylene	2.47E-06	4.78E-03	Propylene	1.68E-07	3.26E-04

Speciation Factor								
Annual Loading	Annual Breathing	Annual Refueling	Annual Spillage		Hourly Loading	Hourly Breathing	Hourly Refueling	Hourly Spillage
0.457%	0.457%	0.457%	0.707%	benzene	0.549%	0.549%	0.549%	0.702%
0.0004%	0.0004%	0.0004%	0.174%	naphthalene	0.0004%	0.0004%	0.0004%	0.174%
0.409%	0.409%	0.409%	6.590%	o-xylenes	0.509%	0.509%	0.509%	6.910%
0.107%	0.107%	0.107%	1.290%	ethylbenzene	0.107%	0.107%	0.107%	1.290%
0.409%	0.409%	0.409%	6.590%	m-xylene	0.509%	0.509%	0.509%	6.910%
1.110%	1.110%	1.110%	5.800%	toluene	1.350%	1.350%	1.350%	5.800%
1.820%	1.820%	1.820%	1.860%	n-hexane	1.820%	1.820%	1.820%	1.860%
0.004%	0.004%	0.004%	0.0001%	Propylene	0.004%	0.004%	0.004%	0.0001%

2022 CARB & CAPCOA Gasoline Service Station Industrywide Risk Assessment Look-up Tool
Version 1.0 - February 18, 2022

Required Value	User Defined Input	Instructions
Annual Throughput (gallons/year)	1,358,299	Enter your gas station's annual throughput in gallons of gasoline dispensed per year.
Hourly Dispensing Throughput (gallons/hour)	700	The tool will calculate the maximum hourly vehicle fueling throughput based on annual throughput as defined by Table 10 of the 2020 Gasoline Service Station Industrywide Risk Assessment Technical Guidance Document (Technical Guidance). If a different value is desired please enter it into cell L4.
Hourly Loading Throughput (gallons/hour)	8800	The tool will calculate the maximum hourly loading throughput based on annual throughput as defined by Table 10 of the Technical Guidance. If a different value is desired please enter it into cell L5.
Meteorological Data	Fresno	Select appropriate meteorological data. Met sets provided include 2 rural (Redding and Lancaster) and 4 urban (Fresno, Ontario, San Diego, and San Jose) locations. Use whichever best correlates to your location. If you would like to use site-specific meteorological data please refer to the Variable Met Tool.
Distance to Nearest Resident (meters)	50	Enter the distance to the nearest residential receptor in meters as measured from the edge of the station canopy. Please note that the value must be between 10 and 1000 meters. The distance you input will round down to the nearest receptor distance used in the Technical Guidance (e.g., 19m will return value at 10m distance).
Distance to Nearest Business (meters)	340	Enter the distance to the nearest worker receptor in meters as measured from the edge of the station canopy. Please note that the value must be between 10 and 1000 meters. The distance you input will round down to the nearest receptor distance used in the Technical Guidance (e.g., 19m will return value at 10m distance).
Distance to Acute Receptor (meters)	50	Enter the distance where acute impacts are expected in meters as measured from the edge of the station canopy. This can be the distance to the property boundary, nearest resident, nearest worker, or any other user defined location. Please note that the value must be between 10 and 1000 meters. The distance you input will round down to the nearest receptor distance used in the Technical Guidance (e.g., 19m will return value at 10m distance).
Control Scenario	EVR Phase I & EVR Phase II	Select the appropriate control scenario for your gas station. Please refer to technical Guidance for an explanation of the different control scenarios. Almost all gas stations in California are equipped with EVR Phase I and EVR Phase II controls.
Include Building Downwash Adjustments	yes	Building downwash may over estimate risk results. High results should be investigated further through site-specific health risk assessment.
Risk Value	Results	
Max Residential Cancer Risk (chances/million)	2.08	
Max Worker Cancer Risk (chances/million)	0.01	
Chronic HI	0.01	
Acute HI	0.55	

Health Risk Assessment Assumptions

3 Chronic Reference Exposure Level (ug/m3)
27 Acute Reference Exposure Level (ug/m3)
0.1 Cancer Potency Slope Factor (cancer risk per mg/kg-day)
350 days per year
25,550 days per lifetime

1,090 95th Percentile Daily Breathing Rates (L/kg-day) 0<2 Years
861 95th Percentile Daily Breathing Rates (L/kg-day) 2<9 Years
745 95th Percentile Daily Breathing Rates (L/kg-day) 2<16 Years
335 95th Percentile Daily Breathing Rates (L/kg-day) 16<30 Years
290 95th Percentile Daily Breathing Rates (L/kg-day) 30<70 Years

0.85 fraction of time at home 0<2 Years
0.72 fraction of time at home 2<16 Years
0.73 fraction of time at home 16<70 Years

Project: Roseville Hayden Commercial Center Service Station
Date: April 3, 2026
Condition: Fuel Station Operations
Receptor: Existing Residence
Pollutant: Benzene

Exposure Year	Calendar Year	Maximum 1-Hour Concentration (ug/m3)	Annual Concentration (ug/m3)	Daily Breathing Rates (L/kg-day)	Exposure Factor	fraction of time at home	Cancer Risk	
1	2027	5.66	7.16E-04	1,090	10.0	0.85	0.01	
2	2028	5.66	7.16E-04	1,090	10.0	0.85	0.01	
3	2029	5.66	7.16E-04	745	4.75	0.72	0.00	
4	2030	5.66	7.16E-04	745	3.00	0.72	0.00	0.00 Chronic Hazard Impact
5	2031	5.66	7.16E-04	745	3.00	0.72	0.00	1 Significance Threshold
6	2032	5.66	7.16E-04	745	3.00	0.72	0.00	No Significant?
7	2033	5.66	7.16E-04	745	3.00	0.72	0.00	
8	2034	5.66	7.16E-04	745	3.00	0.72	0.00	0.21 Acute Hazard Impact
9	2035	5.66	7.16E-04	745	3.00	0.72	0.00	1 Significance Threshold
10	2036	5.66	7.16E-04	745	3.00	0.72	0.00	No Significant?
11	2037	5.66	7.16E-04	745	3.00	0.72	0.00	
12	2038	5.66	7.16E-04	745	3.00	0.72	0.00	0.04 Cancer Risk (Child)
13	2039	5.66	7.16E-04	745	3.00	0.72	0.00	10 Significance Threshold
14	2040	5.66	7.16E-04	745	3.00	0.72	0.00	No Significant?
15	2041	5.66	7.16E-04	745	3.00	0.72	0.00	
16	2042	5.66	7.16E-04	745	3.00	0.72	0.00	0.01 Cancer Risk (Adult)
17	2043	5.66	7.16E-04	335	1.70	0.73	0.00	10 Significance Threshold
18	2044	5.66	7.16E-04	335	1.00	0.73	0.00	No Significant?
19	2045	5.66	7.16E-04	335	1.00	0.73	0.00	
20	2046	5.66	7.16E-04	335	1.00	0.73	0.00	
21	2047	5.66	7.16E-04	335	1.00	0.73	0.00	
22	2048	5.66	7.16E-04	335	1.00	0.73	0.00	
23	2049	5.66	7.16E-04	335	1.00	0.73	0.00	
24	2050	5.66	7.16E-04	335	1.00	0.73	0.00	
25	2051	5.66	7.16E-04	335	1.00	0.73	0.00	
26	2052	5.66	7.16E-04	335	1.00	0.73	0.00	
27	2053	5.66	7.16E-04	335	1.00	0.73	0.00	
28	2054	5.66	7.16E-04	335	1.00	0.73	0.00	
29	2055	5.66	7.16E-04	335	1.00	0.73	0.00	
30	2056	5.66	7.16E-04	335	1.00	0.73	0.00	

Health Risk Assessment Assumptions

2000 Chronic Reference Exposure Level (ug/m3)	
Acute Reference Exposure Level (ug/m3)	
0.0087 Cancer Potency Slope Factor (cancer risk per mg/kg-day)	
350 days per year	
25,550 days per lifetime	
1,090 95th Percentile Daily Breathing Rates (L/kg-day)	0<2 Years
861 95th Percentile Daily Breathing Rates (L/kg-day)	2<9 Years
745 95th Percentile Daily Breathing Rates (L/kg-day)	2<16 Years
335 95th Percentile Daily Breathing Rates (L/kg-day)	16<30 Years
290 95th Percentile Daily Breathing Rates (L/kg-day)	30<70 Years
0.85 fraction of time at home	0<2 Years
0.72 fraction of time at home	2<16 Years
0.73 fraction of time at home	16<70 Years

Project: Roseville Hayden Commercial Center Service Station
Date: April 3, 2026
Condition: Fuel Station Operations
Receptor: Existing Residence
Pollutant: Ethylbenzene

Exposure Year	Calendar Year	Maximum 1-Hour Concentration (ug/m3)	Annual Concentration (ug/m3)	Daily Breathing Rates (L/kg-day)	Exposure Factor	fraction of time at home	Cancer Risk	
1	2027		1.68E-04	1,090	10.0	0.85	0.00	
2	2028		1.68E-04	1,090	10.0	0.85	0.00	
3	2029		1.68E-04	745	4.75	0.72	0.00	
4	2030		1.68E-04	745	3.00	0.72	0.00	0.00 Chronic Hazard Impact
5	2031		1.68E-04	745	3.00	0.72	0.00	1 Significance Threshold
6	2032		1.68E-04	745	3.00	0.72	0.00	No Significant?
7	2033		1.68E-04	745	3.00	0.72	0.00	
8	2034		1.68E-04	745	3.00	0.72	0.00	Acute Hazard Impact
9	2035		1.68E-04	745	3.00	0.72	0.00	1 Significance Threshold
10	2036		1.68E-04	745	3.00	0.72	0.00	No Significant?
11	2037		1.68E-04	745	3.00	0.72	0.00	
12	2038		1.68E-04	745	3.00	0.72	0.00	0.00 Cancer Risk (Child)
13	2039		1.68E-04	745	3.00	0.72	0.00	10 Significance Threshold
14	2040		1.68E-04	745	3.00	0.72	0.00	No Significant?
15	2041		1.68E-04	745	3.00	0.72	0.00	
16	2042		1.68E-04	745	3.00	0.72	0.00	0.00 Cancer Risk (Adult)
17	2043		1.68E-04	335	1.70	0.73	0.00	10 Significance Threshold
18	2044		1.68E-04	335	1.00	0.73	0.00	No Significant?
19	2045		1.68E-04	335	1.00	0.73	0.00	
20	2046		1.68E-04	335	1.00	0.73	0.00	
21	2047		1.68E-04	335	1.00	0.73	0.00	
22	2048		1.68E-04	335	1.00	0.73	0.00	
23	2049		1.68E-04	335	1.00	0.73	0.00	
24	2050		1.68E-04	335	1.00	0.73	0.00	
25	2051		1.68E-04	335	1.00	0.73	0.00	
26	2052		1.68E-04	335	1.00	0.73	0.00	
27	2053		1.68E-04	335	1.00	0.73	0.00	
28	2054		1.68E-04	335	1.00	0.73	0.00	
29	2055		1.68E-04	335	1.00	0.73	0.00	
30	2056		1.68E-04	335	1.00	0.73	0.00	

Health Risk Assessment Assumptions

9 Chronic Reference Exposure Level (ug/m3)
 Acute Reference Exposure Level (ug/m3)
 0.12 Cancer Potency Slope Factor (cancer risk per mg/kg-day)
 350 days per year
 25,550 days per lifetime

 1,090 95th Percentile Daily Breathing Rates (L/kg-day) 0<2 Years
 861 95th Percentile Daily Breathing Rates (L/kg-day) 2<9 Years
 745 95th Percentile Daily Breathing Rates (L/kg-day) 2<16 Years
 335 95th Percentile Daily Breathing Rates (L/kg-day) 16<30 Years
 290 95th Percentile Daily Breathing Rates (L/kg-day) 30<70 Years

 0.85 fraction of time at home 0<2 Years
 0.72 fraction of time at home 2<16 Years
 0.73 fraction of time at home 16<70 Years

Project: Roseville Hayden Commercial Center Service Station
 Date: April 3, 2026
 Condition: Fuel Station Operations
 Receptor: Existing Residence
 Pollutant: Naphthalene

Exposure Year	Calendar Year	Maximum 1-Hour Concentration (ug/m3)	Annual Concentration (ug/m3)	Daily Breathing Rates (L/kg-day)	Exposure Factor	fraction of time at home	Cancer Risk	
1	2027		8.29E-07	1,090	10.0	0.85	0.0	
2	2028		8.29E-07	1,090	10.0	0.85	0.0	
3	2029		8.29E-07	745	4.75	0.72	0.00	
4	2030		8.29E-07	745	3.00	0.72	0.00	0.00 Chronic Hazard Impact
5	2031		8.29E-07	745	3.00	0.72	0.00	1 Significance Threshold
6	2032		8.29E-07	745	3.00	0.72	0.00	No Significant?
7	2033		8.29E-07	745	3.00	0.72	0.00	
8	2034		8.29E-07	745	3.00	0.72	0.00	Acute Hazard Impact
9	2035		8.29E-07	745	3.00	0.72	0.00	1 Significance Threshold
10	2036		8.29E-07	745	3.00	0.72	0.00	No Significant?
11	2037		8.29E-07	745	3.00	0.72	0.00	
12	2038		8.29E-07	745	3.00	0.72	0.00	0.00 Cancer Risk (Child)
13	2039		8.29E-07	745	3.00	0.72	0.00	10 Significance Threshold
14	2040		8.29E-07	745	3.00	0.72	0.00	No Significant?
15	2041		8.29E-07	745	3.00	0.72	0.00	
16	2042		8.29E-07	745	3.00	0.72	0.00	0.00 Cancer Risk (Adult)
17	2043		8.29E-07	335	1.70	0.73	0.00	10 Significance Threshold
18	2044		8.29E-07	335	1.00	0.73	0.00	No Significant?
19	2045		8.29E-07	335	1.00	0.73	0.00	
20	2046		8.29E-07	335	1.00	0.73	0.00	
21	2047		8.29E-07	335	1.00	0.73	0.00	
22	2048		8.29E-07	335	1.00	0.73	0.00	
23	2049		8.29E-07	335	1.00	0.73	0.00	
24	2050		8.29E-07	335	1.00	0.73	0.00	
25	2051		8.29E-07	335	1.00	0.73	0.00	
26	2052		8.29E-07	335	1.00	0.73	0.00	
27	2053		8.29E-07	335	1.00	0.73	0.00	
28	2054		8.29E-07	335	1.00	0.73	0.00	
29	2055		8.29E-07	335	1.00	0.73	0.00	
30	2056		8.29E-07	335	1.00	0.73	0.00	

Health Risk Assessment Assumptions

420	Chronic Reference Exposure Level (ug/m3)	
5,000	Acute Reference Exposure Level (ug/m3)	
	Cancer Potency Slope Factor (cancer risk per mg/kg-day)	
350	days per year	
25,550	days per lifetime	
1,090	95th Percentile Daily Breathing Rates (L/kg-day)	0<2 Years
861	95th Percentile Daily Breathing Rates (L/kg-day)	2<9 Years
745	95th Percentile Daily Breathing Rates (L/kg-day)	2<16 Years
335	95th Percentile Daily Breathing Rates (L/kg-day)	16<30 Years
290	95th Percentile Daily Breathing Rates (L/kg-day)	30<70 Years
0.85	fraction of time at home	0<2 Years
0.72	fraction of time at home	2<16 Years
0.73	fraction of time at home	16<70 Years

Project: Roseville Hayden Commercial Center Service Station
Date: April 3, 2026
Condition: Fuel Station Operations
Receptor: Existing Residence
Pollutant: Toluene

Exposure Year	Calendar Year	Maximum 1-Hour Concentration (ug/m3)	Annual Concentration (ug/m3)	Daily Breathing Rates (L/kg-day)	Exposure Factor	fraction of time at home	Cancer Risk	
1	2027	16.7	1.74E-03	1,090	10.0	0.85		
2	2028	16.7	1.74E-03	1,090	10.0	0.85		
3	2029	16.7	1.74E-03	745	4.75	0.72		
4	2030	16.7	1.74E-03	745	3.00	0.72		
5	2031	16.7	1.74E-03	745	3.00	0.72		0.00 Chronic Hazard Impact
6	2032	16.7	1.74E-03	745	3.00	0.72		1 Significance Threshold
7	2033	16.7	1.74E-03	745	3.00	0.72		No Significant?
8	2034	16.7	1.74E-03	745	3.00	0.72		
9	2035	16.7	1.74E-03	745	3.00	0.72		0.00 Acute Hazard Impact
10	2036	16.7	1.74E-03	745	3.00	0.72		1 Significance Threshold
11	2037	16.7	1.74E-03	745	3.00	0.72		No Significant?
12	2038	16.7	1.74E-03	745	3.00	0.72		Cancer Risk (Child)
13	2039	16.7	1.74E-03	745	3.00	0.72		10 Significance Threshold
14	2040	16.7	1.74E-03	745	3.00	0.72		No Significant?
15	2041	16.7	1.74E-03	745	3.00	0.72		
16	2042	16.7	1.74E-03	745	3.00	0.72		Cancer Risk (Adult)
17	2043	16.7	1.74E-03	335	1.70	0.73		10 Significance Threshold
18	2044	16.7	1.74E-03	335	1.00	0.73		No Significant?
19	2045	16.7	1.74E-03	335	1.00	0.73		
20	2046	16.7	1.74E-03	335	1.00	0.73		
21	2047	16.7	1.74E-03	335	1.00	0.73		
22	2048	16.7	1.74E-03	335	1.00	0.73		
23	2049	16.7	1.74E-03	335	1.00	0.73		
24	2050	16.7	1.74E-03	335	1.00	0.73		
25	2051	16.7	1.74E-03	335	1.00	0.73		
26	2052	16.7	1.74E-03	335	1.00	0.73		
27	2053	16.7	1.74E-03	335	1.00	0.73		
28	2054	16.7	1.74E-03	335	1.00	0.73		
29	2055	16.7	1.74E-03	335	1.00	0.73		
30	2056	16.7	1.74E-03	335	1.00	0.73		

Health Risk Assessment Assumptions

700	Chronic Reference Exposure Level (ug/m3)	
22000	Acute Reference Exposure Level (ug/m3)	
	Cancer Potency Slope Factor (cancer risk per mg/kg-day)	
350	days per year	
25,550	days per lifetime	
1,090	95th Percentile Daily Breathing Rates (L/kg-day)	0<2 Years
861	95th Percentile Daily Breathing Rates (L/kg-day)	2<9 Years
745	95th Percentile Daily Breathing Rates (L/kg-day)	2<16 Years
335	95th Percentile Daily Breathing Rates (L/kg-day)	16<30 Years
290	95th Percentile Daily Breathing Rates (L/kg-day)	30<70 Years
0.85	fraction of time at home	0<2 Years
0.72	fraction of time at home	2<16 Years
0.73	fraction of time at home	16<70 Years

Project: Roseville Hayden Commercial Center Service Station
Date: April 3, 2026
Condition: Fuel Station Operations
Receptor: Existing Residence
Pollutant: Xylene

Exposure Year	Calendar Year	Maximum 1-Hour Concentration (ug/m3)	Annual Concentration (ug/m3)	Daily Breathing Rates (L/kg-day)	Exposure Factor	fraction of time at home	Cancer Risk	
1	2027	12.8	6.45E-04	1,090	10.0	0.85		
2	2028	12.8	6.45E-04	1,090	10.0	0.85		
3	2029	12.8	6.45E-04	745	4.75	0.72		
4	2030	12.8	6.45E-04	745	3.00	0.72		
5	2031	12.8	6.45E-04	745	3.00	0.72		0.00 Chronic Hazard Impact
6	2032	12.8	6.45E-04	745	3.00	0.72		1 Significance Threshold
7	2033	12.8	6.45E-04	745	3.00	0.72		No Significant?
8	2034	12.8	6.45E-04	745	3.00	0.72		
9	2035	12.8	6.45E-04	745	3.00	0.72		0.00 Acute Hazard Impact
10	2036	12.8	6.45E-04	745	3.00	0.72		1 Significance Threshold
11	2037	12.8	6.45E-04	745	3.00	0.72		No Significant?
12	2038	12.8	6.45E-04	745	3.00	0.72		Cancer Risk (Child)
13	2039	12.8	6.45E-04	745	3.00	0.72		10 Significance Threshold
14	2040	12.8	6.45E-04	745	3.00	0.72		No Significant?
15	2041	12.8	6.45E-04	745	3.00	0.72		
16	2042	12.8	6.45E-04	745	3.00	0.72		Cancer Risk (Adult)
17	2043	12.8	6.45E-04	335	1.70	0.73		10 Significance Threshold
18	2044	12.8	6.45E-04	335	1.00	0.73		No Significant?
19	2045	12.8	6.45E-04	335	1.00	0.73		
20	2046	12.8	6.45E-04	335	1.00	0.73		
21	2047	12.8	6.45E-04	335	1.00	0.73		
22	2048	12.8	6.45E-04	335	1.00	0.73		
23	2049	12.8	6.45E-04	335	1.00	0.73		
24	2050	12.8	6.45E-04	335	1.00	0.73		
25	2051	12.8	6.45E-04	335	1.00	0.73		
26	2052	12.8	6.45E-04	335	1.00	0.73		
27	2053	12.8	6.45E-04	335	1.00	0.73		
28	2054	12.8	6.45E-04	335	1.00	0.73		
29	2055	12.8	6.45E-04	335	1.00	0.73		
30	2056	12.8	6.45E-04	335	1.00	0.73		

Health Risk Assessment Assumptions

7000 Chronic Reference Exposure Level (ug/m3)
Acute Reference Exposure Level (ug/m3)
Cancer Potency Slope Factor (cancer risk per mg/kg-day)
350 days per year
25,550 days per lifetime

1,090 95th Percentile Daily Breathing Rates (L/kg-day) 0<2 Years
861 95th Percentile Daily Breathing Rates (L/kg-day) 2<9 Years
745 95th Percentile Daily Breathing Rates (L/kg-day) 2<16 Years
335 95th Percentile Daily Breathing Rates (L/kg-day) 16<30 Years
290 95th Percentile Daily Breathing Rates (L/kg-day) 30<70 Years

0.85 fraction of time at home 0<2 Years
0.72 fraction of time at home 2<16 Years
0.73 fraction of time at home 16<70 Years

Project: Roseville Hayden Commercial Center Service Station
Date: April 3, 2026
Condition: Fuel Station Operations
Receptor: Existing Residence
Pollutant: Hexane

Exposure Year	Calendar Year	Maximum 1-Hour Concentration (ug/m3)	Annual Concentration (ug/m3)	Daily Breathing Rates (L/kg-day)	Exposure Factor	fraction of time at home	Cancer Risk	
1	2027		2.85E-03	1,090	10.0	0.85		
2	2028		2.85E-03	1,090	10.0	0.85		
3	2029		2.85E-03	745	4.75	0.72		
4	2030		2.85E-03	745	3.00	0.72		
5	2031		2.85E-03	745	3.00	0.72		0.00 Chronic Hazard Impact
6	2032		2.85E-03	745	3.00	0.72		1 Significance Threshold
7	2033		2.85E-03	745	3.00	0.72		No Significant?
8	2034		2.85E-03	745	3.00	0.72		
9	2035		2.85E-03	745	3.00	0.72		Acute Hazard Impact
10	2036		2.85E-03	745	3.00	0.72		1 Significance Threshold
11	2037		2.85E-03	745	3.00	0.72		No Significant?
12	2038		2.85E-03	745	3.00	0.72		
13	2039		2.85E-03	745	3.00	0.72		Cancer Risk (Child)
14	2040		2.85E-03	745	3.00	0.72		10 Significance Threshold
15	2041		2.85E-03	745	3.00	0.72		No Significant?
16	2042		2.85E-03	745	3.00	0.72		
17	2043		2.85E-03	335	1.70	0.73		Cancer Risk (Adult)
18	2044		2.85E-03	335	1.00	0.73		10 Significance Threshold
19	2045		2.85E-03	335	1.00	0.73		No Significant?
20	2046		2.85E-03	335	1.00	0.73		
21	2047		2.85E-03	335	1.00	0.73		
22	2048		2.85E-03	335	1.00	0.73		
23	2049		2.85E-03	335	1.00	0.73		
24	2050		2.85E-03	335	1.00	0.73		
25	2051		2.85E-03	335	1.00	0.73		
26	2052		2.85E-03	335	1.00	0.73		
27	2053		2.85E-03	335	1.00	0.73		
28	2054		2.85E-03	335	1.00	0.73		
29	2055		2.85E-03	335	1.00	0.73		
30	2056		2.85E-03	335	1.00	0.73		

Health Risk Assessment Assumptions

3 Chronic Reference Exposure Level (ug/m3)
27 Acute Reference Exposure Level (ug/m3)
0.1 Cancer Potency Slope Factor (cancer risk per mg/kg-day)
350 days per year
25,550 days per lifetime

1,090 95th Percentile Daily Breathing Rates (L/kg-day) 0<2 Years
861 95th Percentile Daily Breathing Rates (L/kg-day) 2<9 Years
745 95th Percentile Daily Breathing Rates (L/kg-day) 2<16 Years
335 95th Percentile Daily Breathing Rates (L/kg-day) 16<30 Years
290 95th Percentile Daily Breathing Rates (L/kg-day) 30<70 Years

0.85 fraction of time at home 0<2 Years
0.72 fraction of time at home 2<16 Years
0.73 fraction of time at home 16<70 Years

Project: Roseville Hayden Commercial Center Service Station
Date: April 3, 2026
Condition: Fuel Station Operations
Receptor: Potential Residence
Pollutant: Benzene

Exposure Year	Calendar Year	Maximum 1-Hour Concentration (ug/m3)	Annual Concentration (ug/m3)	Daily Breathing Rates (L/kg-day)	Exposure Factor	fraction of time at home	Cancer Risk	
1	2027	5.33	1.64E-03	1,090	10.0	0.85	0.02	
2	2028	5.33	1.64E-03	1,090	10.0	0.85	0.02	
3	2029	5.33	1.64E-03	745	4.75	0.72	0.01	
4	2030	5.33	1.64E-03	745	3.00	0.72	0.00	0.00 Chronic Hazard Impact
5	2031	5.33	1.64E-03	745	3.00	0.72	0.00	1 Significance Threshold
6	2032	5.33	1.64E-03	745	3.00	0.72	0.00	No Significant?
7	2033	5.33	1.64E-03	745	3.00	0.72	0.00	
8	2034	5.33	1.64E-03	745	3.00	0.72	0.00	0.20 Acute Hazard Impact
9	2035	5.33	1.64E-03	745	3.00	0.72	0.00	1 Significance Threshold
10	2036	5.33	1.64E-03	745	3.00	0.72	0.00	No Significant?
11	2037	5.33	1.64E-03	745	3.00	0.72	0.00	
12	2038	5.33	1.64E-03	745	3.00	0.72	0.00	0.10 Cancer Risk (Child)
13	2039	5.33	1.64E-03	745	3.00	0.72	0.00	10 Significance Threshold
14	2040	5.33	1.64E-03	745	3.00	0.72	0.00	No Significant?
15	2041	5.33	1.64E-03	745	3.00	0.72	0.00	
16	2042	5.33	1.64E-03	745	3.00	0.72	0.00	0.03 Cancer Risk (Adult)
17	2043	5.33	1.64E-03	335	1.70	0.73	0.00	10 Significance Threshold
18	2044	5.33	1.64E-03	335	1.00	0.73	0.00	No Significant?
19	2045	5.33	1.64E-03	335	1.00	0.73	0.00	
20	2046	5.33	1.64E-03	335	1.00	0.73	0.00	
21	2047	5.33	1.64E-03	335	1.00	0.73	0.00	
22	2048	5.33	1.64E-03	335	1.00	0.73	0.00	
23	2049	5.33	1.64E-03	335	1.00	0.73	0.00	
24	2050	5.33	1.64E-03	335	1.00	0.73	0.00	
25	2051	5.33	1.64E-03	335	1.00	0.73	0.00	
26	2052	5.33	1.64E-03	335	1.00	0.73	0.00	
27	2053	5.33	1.64E-03	335	1.00	0.73	0.00	
28	2054	5.33	1.64E-03	335	1.00	0.73	0.00	
29	2055	5.33	1.64E-03	335	1.00	0.73	0.00	
30	2056	5.33	1.64E-03	335	1.00	0.73	0.00	

Health Risk Assessment Assumptions

2000 Chronic Reference Exposure Level (ug/m3)
Acute Reference Exposure Level (ug/m3)
0.0087 Cancer Potency Slope Factor (cancer risk per mg/kg-day)
350 days per year
25,550 days per lifetime

1,090 95th Percentile Daily Breathing Rates (L/kg-day) 0<2 Years
861 95th Percentile Daily Breathing Rates (L/kg-day) 2<9 Years
745 95th Percentile Daily Breathing Rates (L/kg-day) 2<16 Years
335 95th Percentile Daily Breathing Rates (L/kg-day) 16<30 Years
290 95th Percentile Daily Breathing Rates (L/kg-day) 30<70 Years

0.85 fraction of time at home 0<2 Years
0.72 fraction of time at home 2<16 Years
0.73 fraction of time at home 16<70 Years

Project: Roseville Hayden Commercial Center Service Station
Date: April 3, 2026
Condition: Fuel Station Operations
Receptor: Potential Residence
Pollutant: Ethylbenzene

Exposure Year	Calendar Year	Maximum 1-Hour Concentration (ug/m3)	Annual Concentration (ug/m3)	Daily Breathing Rates (L/kg-day)	Exposure Factor	fraction of time at home	Cancer Risk	
1	2027		3.85E-04	1,090	10.0	0.85	0.00	
2	2028		3.85E-04	1,090	10.0	0.85	0.00	
3	2029		3.85E-04	745	4.75	0.72	0.00	
4	2030		3.85E-04	745	3.00	0.72	0.00	0.00 Chronic Hazard Impact
5	2031		3.85E-04	745	3.00	0.72	0.00	1 Significance Threshold
6	2032		3.85E-04	745	3.00	0.72	0.00	No Significant?
7	2033		3.85E-04	745	3.00	0.72	0.00	
8	2034		3.85E-04	745	3.00	0.72	0.00	Acute Hazard Impact
9	2035		3.85E-04	745	3.00	0.72	0.00	1 Significance Threshold
10	2036		3.85E-04	745	3.00	0.72	0.00	No Significant?
11	2037		3.85E-04	745	3.00	0.72	0.00	
12	2038		3.85E-04	745	3.00	0.72	0.00	0.00 Cancer Risk (Child)
13	2039		3.85E-04	745	3.00	0.72	0.00	10 Significance Threshold
14	2040		3.85E-04	745	3.00	0.72	0.00	No Significant?
15	2041		3.85E-04	745	3.00	0.72	0.00	
16	2042		3.85E-04	745	3.00	0.72	0.00	0.00 Cancer Risk (Adult)
17	2043		3.85E-04	335	1.70	0.73	0.00	10 Significance Threshold
18	2044		3.85E-04	335	1.00	0.73	0.00	No Significant?
19	2045		3.85E-04	335	1.00	0.73	0.00	
20	2046		3.85E-04	335	1.00	0.73	0.00	
21	2047		3.85E-04	335	1.00	0.73	0.00	
22	2048		3.85E-04	335	1.00	0.73	0.00	
23	2049		3.85E-04	335	1.00	0.73	0.00	
24	2050		3.85E-04	335	1.00	0.73	0.00	
25	2051		3.85E-04	335	1.00	0.73	0.00	
26	2052		3.85E-04	335	1.00	0.73	0.00	
27	2053		3.85E-04	335	1.00	0.73	0.00	
28	2054		3.85E-04	335	1.00	0.73	0.00	
29	2055		3.85E-04	335	1.00	0.73	0.00	
30	2056		3.85E-04	335	1.00	0.73	0.00	

Health Risk Assessment Assumptions

9 Chronic Reference Exposure Level (ug/m3)
 Acute Reference Exposure Level (ug/m3)
 0.12 Cancer Potency Slope Factor (cancer risk per mg/kg-day)
 350 days per year
 25,550 days per lifetime

 1,090 95th Percentile Daily Breathing Rates (L/kg-day) 0<2 Years
 861 95th Percentile Daily Breathing Rates (L/kg-day) 2<9 Years
 745 95th Percentile Daily Breathing Rates (L/kg-day) 2<16 Years
 335 95th Percentile Daily Breathing Rates (L/kg-day) 16<30 Years
 290 95th Percentile Daily Breathing Rates (L/kg-day) 30<70 Years

 0.85 fraction of time at home 0<2 Years
 0.72 fraction of time at home 2<16 Years
 0.73 fraction of time at home 16<70 Years

Project: Roseville Hayden Commercial Center Service Station
 Date: April 3, 2026
 Condition: Fuel Station Operations
 Receptor: Potential Residence
 Pollutant: Naphthalene

Exposure Year	Calendar Year	Maximum 1-Hour Concentration (ug/m3)	Annual Concentration (ug/m3)	Daily Breathing Rates (L/kg-day)	Exposure Factor	fraction of time at home	Cancer Risk	
1	2027		1.88E-06	1,090	10.0	0.85	0.0	
2	2028		1.88E-06	1,090	10.0	0.85	0.0	
3	2029		1.88E-06	745	4.75	0.72	0.00	
4	2030		1.88E-06	745	3.00	0.72	0.00	0.00 Chronic Hazard Impact
5	2031		1.88E-06	745	3.00	0.72	0.00	1 Significance Threshold
6	2032		1.88E-06	745	3.00	0.72	0.00	No Significant?
7	2033		1.88E-06	745	3.00	0.72	0.00	
8	2034		1.88E-06	745	3.00	0.72	0.00	Acute Hazard Impact
9	2035		1.88E-06	745	3.00	0.72	0.00	1 Significance Threshold
10	2036		1.88E-06	745	3.00	0.72	0.00	No Significant?
11	2037		1.88E-06	745	3.00	0.72	0.00	
12	2038		1.88E-06	745	3.00	0.72	0.00	0.00 Cancer Risk (Child)
13	2039		1.88E-06	745	3.00	0.72	0.00	10 Significance Threshold
14	2040		1.88E-06	745	3.00	0.72	0.00	No Significant?
15	2041		1.88E-06	745	3.00	0.72	0.00	
16	2042		1.88E-06	745	3.00	0.72	0.00	0.00 Cancer Risk (Adult)
17	2043		1.88E-06	335	1.70	0.73	0.00	10 Significance Threshold
18	2044		1.88E-06	335	1.00	0.73	0.00	No Significant?
19	2045		1.88E-06	335	1.00	0.73	0.00	
20	2046		1.88E-06	335	1.00	0.73	0.00	
21	2047		1.88E-06	335	1.00	0.73	0.00	
22	2048		1.88E-06	335	1.00	0.73	0.00	
23	2049		1.88E-06	335	1.00	0.73	0.00	
24	2050		1.88E-06	335	1.00	0.73	0.00	
25	2051		1.88E-06	335	1.00	0.73	0.00	
26	2052		1.88E-06	335	1.00	0.73	0.00	
27	2053		1.88E-06	335	1.00	0.73	0.00	
28	2054		1.88E-06	335	1.00	0.73	0.00	
29	2055		1.88E-06	335	1.00	0.73	0.00	
30	2056		1.88E-06	335	1.00	0.73	0.00	

Health Risk Assessment Assumptions

420	Chronic Reference Exposure Level (ug/m3)	
5,000	Acute Reference Exposure Level (ug/m3)	
	Cancer Potency Slope Factor (cancer risk per mg/kg-day)	
350	days per year	
25,550	days per lifetime	
1,090	95th Percentile Daily Breathing Rates (L/kg-day)	0<2 Years
861	95th Percentile Daily Breathing Rates (L/kg-day)	2<9 Years
745	95th Percentile Daily Breathing Rates (L/kg-day)	2<16 Years
335	95th Percentile Daily Breathing Rates (L/kg-day)	16<30 Years
290	95th Percentile Daily Breathing Rates (L/kg-day)	30<70 Years
0.85	fraction of time at home	0<2 Years
0.72	fraction of time at home	2<16 Years
0.73	fraction of time at home	16<70 Years

Project: Roseville Hayden Commercial Center Service Station
Date: April 3, 2026
Condition: Fuel Station Operations
Receptor: Potential Residence
Pollutant: Toluene

Exposure Year	Calendar Year	Maximum 1-Hour Concentration (ug/m3)	Annual Concentration (ug/m3)	Daily Breathing Rates (L/kg-day)	Exposure Factor	fraction of time at home	Cancer Risk	
1	2027	15.8	3.98E-03	1,090	10.0	0.85		
2	2028	15.8	3.98E-03	1,090	10.0	0.85		
3	2029	15.8	3.98E-03	745	4.75	0.72		
4	2030	15.8	3.98E-03	745	3.00	0.72		
5	2031	15.8	3.98E-03	745	3.00	0.72		0.00 Chronic Hazard Impact
6	2032	15.8	3.98E-03	745	3.00	0.72		1 Significance Threshold
7	2033	15.8	3.98E-03	745	3.00	0.72		No Significant?
8	2034	15.8	3.98E-03	745	3.00	0.72		
9	2035	15.8	3.98E-03	745	3.00	0.72		0.00 Acute Hazard Impact
10	2036	15.8	3.98E-03	745	3.00	0.72		1 Significance Threshold
11	2037	15.8	3.98E-03	745	3.00	0.72		No Significant?
12	2038	15.8	3.98E-03	745	3.00	0.72		Cancer Risk (Child)
13	2039	15.8	3.98E-03	745	3.00	0.72		10 Significance Threshold
14	2040	15.8	3.98E-03	745	3.00	0.72		No Significant?
15	2041	15.8	3.98E-03	745	3.00	0.72		
16	2042	15.8	3.98E-03	745	3.00	0.72		Cancer Risk (Adult)
17	2043	15.8	3.98E-03	335	1.70	0.73		10 Significance Threshold
18	2044	15.8	3.98E-03	335	1.00	0.73		No Significant?
19	2045	15.8	3.98E-03	335	1.00	0.73		
20	2046	15.8	3.98E-03	335	1.00	0.73		
21	2047	15.8	3.98E-03	335	1.00	0.73		
22	2048	15.8	3.98E-03	335	1.00	0.73		
23	2049	15.8	3.98E-03	335	1.00	0.73		
24	2050	15.8	3.98E-03	335	1.00	0.73		
25	2051	15.8	3.98E-03	335	1.00	0.73		
26	2052	15.8	3.98E-03	335	1.00	0.73		
27	2053	15.8	3.98E-03	335	1.00	0.73		
28	2054	15.8	3.98E-03	335	1.00	0.73		
29	2055	15.8	3.98E-03	335	1.00	0.73		
30	2056	15.8	3.98E-03	335	1.00	0.73		

Health Risk Assessment Assumptions

700	Chronic Reference Exposure Level (ug/m3)	
22000	Acute Reference Exposure Level (ug/m3)	
	Cancer Potency Slope Factor (cancer risk per mg/kg-day)	
350	days per year	
25,550	days per lifetime	
1,090	95th Percentile Daily Breathing Rates (L/kg-day)	0<2 Years
861	95th Percentile Daily Breathing Rates (L/kg-day)	2<9 Years
745	95th Percentile Daily Breathing Rates (L/kg-day)	2<16 Years
335	95th Percentile Daily Breathing Rates (L/kg-day)	16<30 Years
290	95th Percentile Daily Breathing Rates (L/kg-day)	30<70 Years
0.85	fraction of time at home	0<2 Years
0.72	fraction of time at home	2<16 Years
0.73	fraction of time at home	16<70 Years

Project: Roseville Hayden Commercial Center Service Station
Date: April 3, 2026
Condition: Fuel Station Operations
Receptor: Potential Residence
Pollutant: Xylene

Exposure Year	Calendar Year	Maximum 1-Hour Concentration (ug/m3)	Annual Concentration (ug/m3)	Daily Breathing Rates (L/kg-day)	Exposure Factor	fraction of time at home	Cancer Risk	
1	2027	12.2	1.47E-03	1,090	10.0	0.85		
2	2028	12.2	1.47E-03	1,090	10.0	0.85		
3	2029	12.2	1.47E-03	745	4.75	0.72		
4	2030	12.2	1.47E-03	745	3.00	0.72		
5	2031	12.2	1.47E-03	745	3.00	0.72		0.00 Chronic Hazard Impact
6	2032	12.2	1.47E-03	745	3.00	0.72		1 Significance Threshold
7	2033	12.2	1.47E-03	745	3.00	0.72		No Significant?
8	2034	12.2	1.47E-03	745	3.00	0.72		
9	2035	12.2	1.47E-03	745	3.00	0.72		0.00 Acute Hazard Impact
10	2036	12.2	1.47E-03	745	3.00	0.72		1 Significance Threshold
11	2037	12.2	1.47E-03	745	3.00	0.72		No Significant?
12	2038	12.2	1.47E-03	745	3.00	0.72		Cancer Risk (Child)
13	2039	12.2	1.47E-03	745	3.00	0.72		10 Significance Threshold
14	2040	12.2	1.47E-03	745	3.00	0.72		No Significant?
15	2041	12.2	1.47E-03	745	3.00	0.72		
16	2042	12.2	1.47E-03	745	3.00	0.72		Cancer Risk (Adult)
17	2043	12.2	1.47E-03	335	1.70	0.73		10 Significance Threshold
18	2044	12.2	1.47E-03	335	1.00	0.73		No Significant?
19	2045	12.2	1.47E-03	335	1.00	0.73		
20	2046	12.2	1.47E-03	335	1.00	0.73		
21	2047	12.2	1.47E-03	335	1.00	0.73		
22	2048	12.2	1.47E-03	335	1.00	0.73		
23	2049	12.2	1.47E-03	335	1.00	0.73		
24	2050	12.2	1.47E-03	335	1.00	0.73		
25	2051	12.2	1.47E-03	335	1.00	0.73		
26	2052	12.2	1.47E-03	335	1.00	0.73		
27	2053	12.2	1.47E-03	335	1.00	0.73		
28	2054	12.2	1.47E-03	335	1.00	0.73		
29	2055	12.2	1.47E-03	335	1.00	0.73		
30	2056	12.2	1.47E-03	335	1.00	0.73		

Health Risk Assessment Assumptions

7000 Chronic Reference Exposure Level (ug/m3)
Acute Reference Exposure Level (ug/m3)
Cancer Potency Slope Factor (cancer risk per mg/kg-day)
350 days per year
25,550 days per lifetime

1,090 95th Percentile Daily Breathing Rates (L/kg-day) 0<2 Years
861 95th Percentile Daily Breathing Rates (L/kg-day) 2<9 Years
745 95th Percentile Daily Breathing Rates (L/kg-day) 2<16 Years
335 95th Percentile Daily Breathing Rates (L/kg-day) 16<30 Years
290 95th Percentile Daily Breathing Rates (L/kg-day) 30<70 Years

0.85 fraction of time at home 0<2 Years
0.72 fraction of time at home 2<16 Years
0.73 fraction of time at home 16<70 Years

Project: Roseville Hayden Commercial Center Service Station
Date: April 3, 2026
Condition: Fuel Station Operations
Receptor: Potential Residence
Pollutant: Hexane

Exposure Year	Calendar Year	Maximum 1-Hour Concentration (ug/m3)	Annual Concentration (ug/m3)	Daily Breathing Rates (L/kg-day)	Exposure Factor	fraction of time at home	Cancer Risk	
1	2027		6.51E-03	1,090	10.0	0.85		
2	2028		6.51E-03	1,090	10.0	0.85		
3	2029		6.51E-03	745	4.75	0.72		
4	2030		6.51E-03	745	3.00	0.72		
5	2031		6.51E-03	745	3.00	0.72		0.00 Chronic Hazard Impact
6	2032		6.51E-03	745	3.00	0.72		1 Significance Threshold
7	2033		6.51E-03	745	3.00	0.72		No Significant?
8	2034		6.51E-03	745	3.00	0.72		
9	2035		6.51E-03	745	3.00	0.72		Acute Hazard Impact
10	2036		6.51E-03	745	3.00	0.72		1 Significance Threshold
11	2037		6.51E-03	745	3.00	0.72		No Significant?
12	2038		6.51E-03	745	3.00	0.72		
13	2039		6.51E-03	745	3.00	0.72		Cancer Risk (Child)
14	2040		6.51E-03	745	3.00	0.72		10 Significance Threshold
15	2041		6.51E-03	745	3.00	0.72		No Significant?
16	2042		6.51E-03	745	3.00	0.72		
17	2043		6.51E-03	335	1.70	0.73		Cancer Risk (Adult)
18	2044		6.51E-03	335	1.00	0.73		10 Significance Threshold
19	2045		6.51E-03	335	1.00	0.73		No Significant?
20	2046		6.51E-03	335	1.00	0.73		
21	2047		6.51E-03	335	1.00	0.73		
22	2048		6.51E-03	335	1.00	0.73		
23	2049		6.51E-03	335	1.00	0.73		
24	2050		6.51E-03	335	1.00	0.73		
25	2051		6.51E-03	335	1.00	0.73		
26	2052		6.51E-03	335	1.00	0.73		
27	2053		6.51E-03	335	1.00	0.73		
28	2054		6.51E-03	335	1.00	0.73		
29	2055		6.51E-03	335	1.00	0.73		
30	2056		6.51E-03	335	1.00	0.73		

Health Risk Assessment Assumptions

3 Chronic Reference Exposure Level (ug/m3)
27 Acute Reference Exposure Level (ug/m3)
0.1 Cancer Potency Slope Factor (cancer risk per mg/kg-day)
350 days per year
25,550 days per lifetime

1,090 95th Percentile Daily Breathing Rates (L/kg-day) 0<2 Years
861 95th Percentile Daily Breathing Rates (L/kg-day) 2<9 Years
745 95th Percentile Daily Breathing Rates (L/kg-day) 2<16 Years
335 95th Percentile Daily Breathing Rates (L/kg-day) 16<30 Years
290 95th Percentile Daily Breathing Rates (L/kg-day) 30<70 Years

0.85 fraction of time at home 0<2 Years
0.72 fraction of time at home 2<16 Years
0.73 fraction of time at home 16<70 Years

Project: Roseville Hayden Commercial Center Service Station
Date: April 3, 2026
Condition: Fuel Station Operations
Receptor: Roseville Fire Station 9
Pollutant: Benzene

Exposure Year	Calendar Year	Maximum 1-Hour Concentration (ug/m3)	Annual Concentration (ug/m3)	Daily Breathing Rates (L/kg-day)	Exposure Factor	fraction of time at home	Cancer Risk	
1	2027	0.97	1.10E-04	290	1.00	1.00	0.00	
2	2028	0.97	1.10E-04	290	1.00	1.00	0.00	
3	2029	0.97	1.10E-04	290	1.00	1.00	0.00	
4	2030	0.97	1.10E-04	290	1.00	1.00	0.00	0.00 Chronic Hazard Impact
5	2031	0.97	1.10E-04	290	1.00	1.00	0.00	1 Significance Threshold
6	2032	0.97	1.10E-04	290	1.00	1.00	0.00	No Significant?
7	2033	0.97	1.10E-04	290	1.00	1.00	0.00	
8	2034	0.97	1.10E-04	290	1.00	1.00	0.00	0.04 Acute Hazard Impact
9	2035	0.97	1.10E-04	290	1.00	1.00	0.00	1 Significance Threshold
10	2036	0.97	1.10E-04	290	1.00	1.00	0.00	No Significant?
11	2037	0.97	1.10E-04	290	1.00	1.00	0.00	
12	2038	0.97	1.10E-04	290	1.00	1.00	0.00	0.00 Cancer Risk (Child)
13	2039	0.97	1.10E-04	290	1.00	1.00	0.00	10 Significance Threshold
14	2040	0.97	1.10E-04	290	1.00	1.00	0.00	No Significant?
15	2041	0.97	1.10E-04	290	1.00	1.00	0.00	
16	2042	0.97	1.10E-04	290	1.00	1.00	0.00	0.00 Cancer Risk (Adult)
17	2043	0.97	1.10E-04	290	1.00	1.00	0.00	10 Significance Threshold
18	2044	0.97	1.10E-04	290	1.00	1.00	0.00	No Significant?
19	2045	0.97	1.10E-04	290	1.00	1.00	0.00	
20	2046	0.97	1.10E-04	290	1.00	1.00	0.00	
21	2047	0.97	1.10E-04	290	1.00	1.00	0.00	
22	2048	0.97	1.10E-04	290	1.00	1.00	0.00	
23	2049	0.97	1.10E-04	290	1.00	1.00	0.00	
24	2050	0.97	1.10E-04	290	1.00	1.00	0.00	
25	2051	0.97	1.10E-04	290	1.00	1.00	0.00	
26	2052	0.97	1.10E-04	290	1.00	1.00	0.00	
27	2053	0.97	1.10E-04	290	1.00	1.00	0.00	
28	2054	0.97	1.10E-04	290	1.00	1.00	0.00	
29	2055	0.97	1.10E-04	290	1.00	1.00	0.00	
30	2056	0.97	1.10E-04	290	1.00	1.00	0.00	

Health Risk Assessment Assumptions

2000 Chronic Reference Exposure Level (ug/m3)
Acute Reference Exposure Level (ug/m3)
0.0087 Cancer Potency Slope Factor (cancer risk per mg/kg-day)
350 days per year
25,550 days per lifetime

1,090 95th Percentile Daily Breathing Rates (L/kg-day) 0<2 Years
861 95th Percentile Daily Breathing Rates (L/kg-day) 2<9 Years
745 95th Percentile Daily Breathing Rates (L/kg-day) 2<16 Years
335 95th Percentile Daily Breathing Rates (L/kg-day) 16<30 Years
290 95th Percentile Daily Breathing Rates (L/kg-day) 30<70 Years

0.85 fraction of time at home 0<2 Years
0.72 fraction of time at home 2<16 Years
0.73 fraction of time at home 16<70 Years

Project: Roseville Hayden Commercial Center Service Station
Date: April 3, 2026
Condition: Fuel Station Operations
Receptor: Roseville Fire Station 9
Pollutant: Ethylbenzene

Exposure Year	Calendar Year	Maximum 1-Hour Concentration (ug/m3)	Annual Concentration (ug/m3)	Daily Breathing Rates (L/kg-day)	Exposure Factor	fraction of time at home	Cancer Risk	
1	2027		2.58E-05	290	1.00	1.00	0.00	
2	2028		2.58E-05	290	1.00	1.00	0.00	
3	2029		2.58E-05	290	1.00	1.00	0.00	
4	2030		2.58E-05	290	1.00	1.00	0.00	0.00 Chronic Hazard Impact
5	2031		2.58E-05	290	1.00	1.00	0.00	1 Significance Threshold
6	2032		2.58E-05	290	1.00	1.00	0.00	No Significant?
7	2033		2.58E-05	290	1.00	1.00	0.00	
8	2034		2.58E-05	290	1.00	1.00	0.00	Acute Hazard Impact
9	2035		2.58E-05	290	1.00	1.00	0.00	1 Significance Threshold
10	2036		2.58E-05	290	1.00	1.00	0.00	No Significant?
11	2037		2.58E-05	290	1.00	1.00	0.00	
12	2038		2.58E-05	290	1.00	1.00	0.00	0.00 Cancer Risk (Child)
13	2039		2.58E-05	290	1.00	1.00	0.00	10 Significance Threshold
14	2040		2.58E-05	290	1.00	1.00	0.00	No Significant?
15	2041		2.58E-05	290	1.00	1.00	0.00	
16	2042		2.58E-05	290	1.00	1.00	0.00	0.00 Cancer Risk (Adult)
17	2043		2.58E-05	290	1.00	1.00	0.00	10 Significance Threshold
18	2044		2.58E-05	290	1.00	1.00	0.00	No Significant?
19	2045		2.58E-05	290	1.00	1.00	0.00	
20	2046		2.58E-05	290	1.00	1.00	0.00	
21	2047		2.58E-05	290	1.00	1.00	0.00	
22	2048		2.58E-05	290	1.00	1.00	0.00	
23	2049		2.58E-05	290	1.00	1.00	0.00	
24	2050		2.58E-05	290	1.00	1.00	0.00	
25	2051		2.58E-05	290	1.00	1.00	0.00	
26	2052		2.58E-05	290	1.00	1.00	0.00	
27	2053		2.58E-05	290	1.00	1.00	0.00	
28	2054		2.58E-05	290	1.00	1.00	0.00	
29	2055		2.58E-05	290	1.00	1.00	0.00	
30	2056		2.58E-05	290	1.00	1.00	0.00	

Health Risk Assessment Assumptions

9 Chronic Reference Exposure Level (ug/m3)
 Acute Reference Exposure Level (ug/m3)
 0.12 Cancer Potency Slope Factor (cancer risk per mg/kg-day)
 350 days per year
 25,550 days per lifetime

 1,090 95th Percentile Daily Breathing Rates (L/kg-day) 0<2 Years
 861 95th Percentile Daily Breathing Rates (L/kg-day) 2<9 Years
 745 95th Percentile Daily Breathing Rates (L/kg-day) 2<16 Years
 335 95th Percentile Daily Breathing Rates (L/kg-day) 16<30 Years
 290 95th Percentile Daily Breathing Rates (L/kg-day) 30<70 Years

 0.85 fraction of time at home 0<2 Years
 0.72 fraction of time at home 2<16 Years
 0.73 fraction of time at home 16<70 Years

Project: Roseville Hayden Commercial Center Service Station
 Date: April 3, 2026
 Condition: Fuel Station Operations
 Receptor: Roseville Fire Station 9
 Pollutant: Naphthalene

Exposure Year	Calendar Year	Maximum 1-Hour Concentration (ug/m3)	Annual Concentration (ug/m3)	Daily Breathing Rates (L/kg-day)	Exposure Factor	fraction of time at home	Cancer Risk	
1	2027		1.26E-07	290	1.00	1.00	0.0	
2	2028		1.26E-07	290	1.00	1.00	0.0	
3	2029		1.26E-07	290	1.00	1.00	0.00	
4	2030		1.26E-07	290	1.00	1.00	0.00	0.00 Chronic Hazard Impact
5	2031		1.26E-07	290	1.00	1.00	0.00	1 Significance Threshold
6	2032		1.26E-07	290	1.00	1.00	0.00	No Significant?
7	2033		1.26E-07	290	1.00	1.00	0.00	
8	2034		1.26E-07	290	1.00	1.00	0.00	Acute Hazard Impact
9	2035		1.26E-07	290	1.00	1.00	0.00	1 Significance Threshold
10	2036		1.26E-07	290	1.00	1.00	0.00	No Significant?
11	2037		1.26E-07	290	1.00	1.00	0.00	
12	2038		1.26E-07	290	1.00	1.00	0.00	0.00 Cancer Risk (Child)
13	2039		1.26E-07	290	1.00	1.00	0.00	10 Significance Threshold
14	2040		1.26E-07	290	1.00	1.00	0.00	No Significant?
15	2041		1.26E-07	290	1.00	1.00	0.00	
16	2042		1.26E-07	290	1.00	1.00	0.00	0.00 Cancer Risk (Adult)
17	2043		1.26E-07	290	1.00	1.00	0.00	10 Significance Threshold
18	2044		1.26E-07	290	1.00	1.00	0.00	No Significant?
19	2045		1.26E-07	290	1.00	1.00	0.00	
20	2046		1.26E-07	290	1.00	1.00	0.00	
21	2047		1.26E-07	290	1.00	1.00	0.00	
22	2048		1.26E-07	290	1.00	1.00	0.00	
23	2049		1.26E-07	290	1.00	1.00	0.00	
24	2050		1.26E-07	290	1.00	1.00	0.00	
25	2051		1.26E-07	290	1.00	1.00	0.00	
26	2052		1.26E-07	290	1.00	1.00	0.00	
27	2053		1.26E-07	290	1.00	1.00	0.00	
28	2054		1.26E-07	290	1.00	1.00	0.00	
29	2055		1.26E-07	290	1.00	1.00	0.00	
30	2056		1.26E-07	290	1.00	1.00	0.00	

Health Risk Assessment Assumptions

420 Chronic Reference Exposure Level (ug/m3)
 5,000 Acute Reference Exposure Level (ug/m3)
 Cancer Potency Slope Factor (cancer risk per mg/kg-day)
 350 days per year
 25,550 days per lifetime

 1,090 95th Percentile Daily Breathing Rates (L/kg-day) 0<2 Years
 861 95th Percentile Daily Breathing Rates (L/kg-day) 2<9 Years
 745 95th Percentile Daily Breathing Rates (L/kg-day) 2<16 Years
 335 95th Percentile Daily Breathing Rates (L/kg-day) 16<30 Years
 290 95th Percentile Daily Breathing Rates (L/kg-day) 30<70 Years

 0.85 fraction of time at home 0<2 Years
 0.72 fraction of time at home 2<16 Years
 0.73 fraction of time at home 16<70 Years

Project: Roseville Hayden Commercial Center Service Station
 Date: April 3, 2026
 Condition: Fuel Station Operations
 Receptor: Roseville Fire Station 9
 Pollutant: Toluene

Exposure Year	Calendar Year	Maximum 1-Hour Concentration (ug/m3)	Annual Concentration (ug/m3)	Daily Breathing Rates (L/kg-day)	Exposure Factor	fraction of time at home	Cancer Risk	
1	2027	2.8	2.67E-04	290	1.00	1.00		
2	2028	2.8	2.67E-04	290	1.00	1.00		
3	2029	2.8	2.67E-04	290	1.00	1.00		
4	2030	2.8	2.67E-04	290	1.00	1.00		
5	2031	2.8	2.67E-04	290	1.00	1.00		0.00 Chronic Hazard Impact
6	2032	2.8	2.67E-04	290	1.00	1.00		1 Significance Threshold
7	2033	2.8	2.67E-04	290	1.00	1.00		No Significant?
8	2034	2.8	2.67E-04	290	1.00	1.00		
9	2035	2.8	2.67E-04	290	1.00	1.00		0.00 Acute Hazard Impact
10	2036	2.8	2.67E-04	290	1.00	1.00		1 Significance Threshold
11	2037	2.8	2.67E-04	290	1.00	1.00		No Significant?
12	2038	2.8	2.67E-04	290	1.00	1.00		Cancer Risk (Child)
13	2039	2.8	2.67E-04	290	1.00	1.00		10 Significance Threshold
14	2040	2.8	2.67E-04	290	1.00	1.00		No Significant?
15	2041	2.8	2.67E-04	290	1.00	1.00		
16	2042	2.8	2.67E-04	290	1.00	1.00		Cancer Risk (Adult)
17	2043	2.8	2.67E-04	290	1.00	1.00		10 Significance Threshold
18	2044	2.8	2.67E-04	290	1.00	1.00		No Significant?
19	2045	2.8	2.67E-04	290	1.00	1.00		
20	2046	2.8	2.67E-04	290	1.00	1.00		
21	2047	2.8	2.67E-04	290	1.00	1.00		
22	2048	2.8	2.67E-04	290	1.00	1.00		
23	2049	2.8	2.67E-04	290	1.00	1.00		
24	2050	2.8	2.67E-04	290	1.00	1.00		
25	2051	2.8	2.67E-04	290	1.00	1.00		
26	2052	2.8	2.67E-04	290	1.00	1.00		
27	2053	2.8	2.67E-04	290	1.00	1.00		
28	2054	2.8	2.67E-04	290	1.00	1.00		
29	2055	2.8	2.67E-04	290	1.00	1.00		
30	2056	2.8	2.67E-04	290	1.00	1.00		

Health Risk Assessment Assumptions

700 Chronic Reference Exposure Level (ug/m3)
22000 Acute Reference Exposure Level (ug/m3)
Cancer Potency Slope Factor (cancer risk per mg/kg-day)
350 days per year
25,550 days per lifetime

1,090 95th Percentile Daily Breathing Rates (L/kg-day) 0<2 Years
861 95th Percentile Daily Breathing Rates (L/kg-day) 2<9 Years
745 95th Percentile Daily Breathing Rates (L/kg-day) 2<16 Years
335 95th Percentile Daily Breathing Rates (L/kg-day) 16<30 Years
290 95th Percentile Daily Breathing Rates (L/kg-day) 30<70 Years

0.85 fraction of time at home 0<2 Years
0.72 fraction of time at home 2<16 Years
0.73 fraction of time at home 16<70 Years

Project: Roseville Hayden Commercial Center Service Station
Date: April 3, 2026
Condition: Fuel Station Operations
Receptor: Roseville Fire Station 9
Pollutant: Xylene

Exposure Year	Calendar Year	Maximum 1-Hour Concentration (ug/m3)	Annual Concentration (ug/m3)	Daily Breathing Rates (L/kg-day)	Exposure Factor	fraction of time at home	Cancer Risk	
1	2027	2.1	9.90E-05	290	1.00	1.00		
2	2028	2.1	9.90E-05	290	1.00	1.00		
3	2029	2.1	9.90E-05	290	1.00	1.00		
4	2030	2.1	9.90E-05	290	1.00	1.00		
5	2031	2.1	9.90E-05	290	1.00	1.00		0.00 Chronic Hazard Impact
6	2032	2.1	9.90E-05	290	1.00	1.00		1 Significance Threshold
7	2033	2.1	9.90E-05	290	1.00	1.00		No Significant?
8	2034	2.1	9.90E-05	290	1.00	1.00		
9	2035	2.1	9.90E-05	290	1.00	1.00		0.00 Acute Hazard Impact
10	2036	2.1	9.90E-05	290	1.00	1.00		1 Significance Threshold
11	2037	2.1	9.90E-05	290	1.00	1.00		No Significant?
12	2038	2.1	9.90E-05	290	1.00	1.00		Cancer Risk (Child)
13	2039	2.1	9.90E-05	290	1.00	1.00		10 Significance Threshold
14	2040	2.1	9.90E-05	290	1.00	1.00		No Significant?
15	2041	2.1	9.90E-05	290	1.00	1.00		
16	2042	2.1	9.90E-05	290	1.00	1.00		Cancer Risk (Adult)
17	2043	2.1	9.90E-05	290	1.00	1.00		10 Significance Threshold
18	2044	2.1	9.90E-05	290	1.00	1.00		No Significant?
19	2045	2.1	9.90E-05	290	1.00	1.00		
20	2046	2.1	9.90E-05	290	1.00	1.00		
21	2047	2.1	9.90E-05	290	1.00	1.00		
22	2048	2.1	9.90E-05	290	1.00	1.00		
23	2049	2.1	9.90E-05	290	1.00	1.00		
24	2050	2.1	9.90E-05	290	1.00	1.00		
25	2051	2.1	9.90E-05	290	1.00	1.00		
26	2052	2.1	9.90E-05	290	1.00	1.00		
27	2053	2.1	9.90E-05	290	1.00	1.00		
28	2054	2.1	9.90E-05	290	1.00	1.00		
29	2055	2.1	9.90E-05	290	1.00	1.00		
30	2056	2.1	9.90E-05	290	1.00	1.00		

Health Risk Assessment Assumptions

7000 Chronic Reference Exposure Level (ug/m3)
Acute Reference Exposure Level (ug/m3)
Cancer Potency Slope Factor (cancer risk per mg/kg-day)
350 days per year
25,550 days per lifetime

1,090 95th Percentile Daily Breathing Rates (L/kg-day) 0<2 Years
861 95th Percentile Daily Breathing Rates (L/kg-day) 2<9 Years
745 95th Percentile Daily Breathing Rates (L/kg-day) 2<16 Years
335 95th Percentile Daily Breathing Rates (L/kg-day) 16<30 Years
290 95th Percentile Daily Breathing Rates (L/kg-day) 30<70 Years

0.85 fraction of time at home 0<2 Years
0.72 fraction of time at home 2<16 Years
0.73 fraction of time at home 16<70 Years

Project: Roseville Hayden Commercial Center Service Station
Date: April 3, 2026
Condition: Fuel Station Operations
Receptor: Roseville Fire Station 9
Pollutant: Hexane

Exposure Year	Calendar Year	Maximum 1-Hour Concentration (ug/m3)	Annual Concentration (ug/m3)	Daily Breathing Rates (L/kg-day)	Exposure Factor	fraction of time at home	Cancer Risk	
1	2027		4.37E-04	290	1.00	1.00		
2	2028		4.37E-04	290	1.00	1.00		
3	2029		4.37E-04	290	1.00	1.00		
4	2030		4.37E-04	290	1.00	1.00		
5	2031		4.37E-04	290	1.00	1.00		0.00 Chronic Hazard Impact
6	2032		4.37E-04	290	1.00	1.00		1 Significance Threshold
7	2033		4.37E-04	290	1.00	1.00		No Significant?
8	2034		4.37E-04	290	1.00	1.00		Acute Hazard Impact
9	2035		4.37E-04	290	1.00	1.00		1 Significance Threshold
10	2036		4.37E-04	290	1.00	1.00		No Significant?
11	2037		4.37E-04	290	1.00	1.00		Cancer Risk (Child)
12	2038		4.37E-04	290	1.00	1.00		10 Significance Threshold
13	2039		4.37E-04	290	1.00	1.00		No Significant?
14	2040		4.37E-04	290	1.00	1.00		Cancer Risk (Adult)
15	2041		4.37E-04	290	1.00	1.00		10 Significance Threshold
16	2042		4.37E-04	290	1.00	1.00		No Significant?
17	2043		4.37E-04	290	1.00	1.00		
18	2044		4.37E-04	290	1.00	1.00		
19	2045		4.37E-04	290	1.00	1.00		
20	2046		4.37E-04	290	1.00	1.00		
21	2047		4.37E-04	290	1.00	1.00		
22	2048		4.37E-04	290	1.00	1.00		
23	2049		4.37E-04	290	1.00	1.00		
24	2050		4.37E-04	290	1.00	1.00		
25	2051		4.37E-04	290	1.00	1.00		
26	2052		4.37E-04	290	1.00	1.00		
27	2053		4.37E-04	290	1.00	1.00		
28	2054		4.37E-04	290	1.00	1.00		
29	2055		4.37E-04	290	1.00	1.00		
30	2056		4.37E-04	290	1.00	1.00		

Health Risk Assessment Assumptions

3 Chronic Reference Exposure Level (ug/m3)
27 Acute Reference Exposure Level (ug/m3)
0.1 Cancer Potency Slope Factor (cancer risk per mg/kg-day)
350 days per year
25,550 days per lifetime

1,090 95th Percentile Daily Breathing Rates (L/kg-day) 0<2 Years
861 95th Percentile Daily Breathing Rates (L/kg-day) 2<9 Years
745 95th Percentile Daily Breathing Rates (L/kg-day) 2<16 Years
335 95th Percentile Daily Breathing Rates (L/kg-day) 16<30 Years
290 95th Percentile Daily Breathing Rates (L/kg-day) 30<70 Years

Project: Roseville Hayden Commercial Center Service Station
Date: April 3, 2026
Condition: Fuel Station Operations
Receptor: West Park High School
Pollutant: Benzene

Exposure Year	Calendar Year	Maximum 1-Hour Concentration (ug/m3)	Annual Concentration (ug/m3)	Daily Breathing Rates (L/kg-day)	Exposure Factor	fraction of time at home	Cancer Risk	
1	2027	0.58	2.80E-05	335	3.00	1.00	0.00	
2	2028	0.58	2.80E-05	335	3.00	1.00	0.00	
3	2029	0.58	2.80E-05	335	3.00	1.00	0.00	
4	2030	0.58	2.80E-05	335	3.00	1.00	0.00	
5								0.00 Chronic Hazard Impact
6								1 Significance Threshold
7								No Significant?
8								0.02 Acute Hazard Impact
9								1 Significance Threshold
10								No Significant?
11								0.00 Cancer Risk (Child)
12								10 Significance Threshold
13								No Significant?
14								
15								
16								- Cancer Risk (Adult)
17								10 Significance Threshold
18								No Significant?
19								
20								
21								
22								
23								
24								
25								
26								
27								
28								
29								
30								

Health Risk Assessment Assumptions

2000 Chronic Reference Exposure Level (ug/m3)
 Acute Reference Exposure Level (ug/m3)
 0.0087 Cancer Potency Slope Factor (cancer risk per mg/kg-day)
 350 days per year
 25,550 days per lifetime

 1,090 95th Percentile Daily Breathing Rates (L/kg-day) 0<2 Years
 861 95th Percentile Daily Breathing Rates (L/kg-day) 2<9 Years
 745 95th Percentile Daily Breathing Rates (L/kg-day) 2<16 Years
 335 95th Percentile Daily Breathing Rates (L/kg-day) 16<30 Years
 290 95th Percentile Daily Breathing Rates (L/kg-day) 30<70 Years

Project: Roseville Hayden Commercial Center Service Station
 Date: April 3, 2026
 Condition: Fuel Station Operations
 Receptor: West Park High School
 Pollutant: Ethylbenzene

Exposure Year	Calendar Year	Maximum 1-Hour Concentration (ug/m3)	Annual Concentration (ug/m3)	Daily Breathing Rates (L/kg-day)	Exposure Factor	fraction of time at home	Cancer Risk	
1	2027		6.60E-06	335	3.00	1.00	0.00	0.00 Chronic Hazard Impact 1 Significance Threshold No Significant?
2	2028		6.60E-06	335	3.00	1.00	0.00	
3	2029		6.60E-06	335	3.00	1.00	0.00	
4	2030		6.60E-06	335	3.00	1.00	0.00	
5								Acute Hazard Impact 1 Significance Threshold No Significant?
6								
7								
8								
9								0.00 Cancer Risk (Child) 10 Significance Threshold No Significant?
10								
11								
12								
13								- Cancer Risk (Adult) 10 Significance Threshold No Significant?
14								
15								
16								
17								
18								
19								
20								
21								
22								
23								
24								
25								
26								
27								
28								
29								
30								

Health Risk Assessment Assumptions

9 Chronic Reference Exposure Level (ug/m3)
 Acute Reference Exposure Level (ug/m3)
 0.12 Cancer Potency Slope Factor (cancer risk per mg/kg-day)
 350 days per year
 25,550 days per lifetime

 1,090 95th Percentile Daily Breathing Rates (L/kg-day) 0<2 Years
 861 95th Percentile Daily Breathing Rates (L/kg-day) 2<9 Years
 745 95th Percentile Daily Breathing Rates (L/kg-day) 2<16 Years
 335 95th Percentile Daily Breathing Rates (L/kg-day) 16<30 Years
 290 95th Percentile Daily Breathing Rates (L/kg-day) 30<70 Years

Project: Roseville Hayden Commercial Center Service Station
 Date: April 3, 2026
 Condition: Fuel Station Operations
 Receptor: West Park High School
 Pollutant: Naphthalene

Exposure Year	Calendar Year	Maximum 1-Hour Concentration (ug/m3)	Annual Concentration (ug/m3)	Daily Breathing Rates (L/kg-day)	Exposure Factor	fraction of time at home	Cancer Risk	
1	2027		3.22E-08	335	3.00	1.00	0.0	
2	2028		3.22E-08	335	3.00	1.00	0.0	
3	2029		3.22E-08	335	3.00	1.00	0.00	
4	2030		3.22E-08	335	3.00	1.00	0.00	
5								0.00 Chronic Hazard Impact
6								1 Significance Threshold
7								No Significant?
8								Acute Hazard Impact
9								1 Significance Threshold
10								No Significant?
11								0.00 Cancer Risk (Child)
12								10 Significance Threshold
13								No Significant?
14								
15								
16								- Cancer Risk (Adult)
17								10 Significance Threshold
18								No Significant?
19								
20								
21								
22								
23								
24								
25								
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27								
28								
29								
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Health Risk Assessment Assumptions

420 Chronic Reference Exposure Level (ug/m3)
5,000 Acute Reference Exposure Level (ug/m3)
Cancer Potency Slope Factor (cancer risk per mg/kg-day)
350 days per year
25,550 days per lifetime

1,090 95th Percentile Daily Breathing Rates (L/kg-day) 0<2 Years
861 95th Percentile Daily Breathing Rates (L/kg-day) 2<9 Years
745 95th Percentile Daily Breathing Rates (L/kg-day) 2<16 Years
335 95th Percentile Daily Breathing Rates (L/kg-day) 16<30 Years
290 95th Percentile Daily Breathing Rates (L/kg-day) 30<70 Years

Project: Roseville Hayden Commercial Center Service Station
Date: April 3, 2026
Condition: Fuel Station Operations
Receptor: West Park High School
Pollutant: Toluene

Exposure Year	Calendar Year	Maximum 1-Hour Concentration (ug/m3)	Annual Concentration (ug/m3)	Daily Breathing Rates (L/kg-day)	Exposure Factor	fraction of time at home	Cancer Risk	
1	2027	1.7	6.82E-05	335	3.00	1.00		
2	2028	1.7	6.82E-05	335	3.00	1.00		
3	2029	1.7	6.82E-05	335	3.00	1.00		
4	2030	1.7	6.82E-05	335	3.00	1.00		
5								0.00 Chronic Hazard Impact
6								1 Significance Threshold
7								No Significant?
8								0.00 Acute Hazard Impact
9								1 Significance Threshold
10								No Significant?
11								Cancer Risk (Child)
12								10 Significance Threshold
13								No Significant?
14								Cancer Risk (Adult)
15								10 Significance Threshold
16								No Significant?
17								
18								
19								
20								
21								
22								
23								
24								
25								
26								
27								
28								
29								
30								

Health Risk Assessment Assumptions

700 Chronic Reference Exposure Level (ug/m3)
22000 Acute Reference Exposure Level (ug/m3)
Cancer Potency Slope Factor (cancer risk per mg/kg-day)
350 days per year
25,550 days per lifetime

1,090 95th Percentile Daily Breathing Rates (L/kg-day) 0<2 Years
861 95th Percentile Daily Breathing Rates (L/kg-day) 2<9 Years
745 95th Percentile Daily Breathing Rates (L/kg-day) 2<16 Years
335 95th Percentile Daily Breathing Rates (L/kg-day) 16<30 Years
290 95th Percentile Daily Breathing Rates (L/kg-day) 30<70 Years

Project: Roseville Hayden Commercial Center Service Station
Date: April 3, 2026
Condition: Fuel Station Operations
Receptor: West Park High School
Pollutant: Xylene

Exposure Year	Calendar Year	Maximum 1-Hour Concentration (ug/m3)	Annual Concentration (ug/m3)	Daily Breathing Rates (L/kg-day)	Exposure Factor	fraction of time at home	Cancer Risk
1	2027	1.2	2.53E-05	335	3.00	1.00	
2	2028	1.2	2.53E-05	335	3.00	1.00	
3	2029	1.2	2.53E-05	335	3.00	1.00	
4	2030	1.2	2.53E-05	335	3.00	1.00	
5							0.00 Chronic Hazard Impact 1 Significance Threshold No Significant?
6							
7							
8							0.00 Acute Hazard Impact 1 Significance Threshold No Significant?
9							
10							
11							Cancer Risk (Child) 10 Significance Threshold No Significant?
12							
13							
14							
15							Cancer Risk (Adult) 10 Significance Threshold No Significant?
16							
17							
18							
19							
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29							
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Health Risk Assessment Assumptions

7000 Chronic Reference Exposure Level (ug/m3)
Acute Reference Exposure Level (ug/m3)
Cancer Potency Slope Factor (cancer risk per mg/kg-day)
350 days per year
25,550 days per lifetime

1,090 95th Percentile Daily Breathing Rates (L/kg-day) 0<2 Years
861 95th Percentile Daily Breathing Rates (L/kg-day) 2<9 Years
745 95th Percentile Daily Breathing Rates (L/kg-day) 2<16 Years
335 95th Percentile Daily Breathing Rates (L/kg-day) 16<30 Years
290 95th Percentile Daily Breathing Rates (L/kg-day) 30<70 Years

Project: Roseville Hayden Commercial Center Service Station
Date: April 3, 2026
Condition: Fuel Station Operations
Receptor: West Park High School
Pollutant: Hexane

Exposure Year	Calendar Year	Maximum 1-Hour Concentration (ug/m3)	Annual Concentration (ug/m3)	Daily Breathing Rates (L/kg-day)	Exposure Factor	fraction of time at home	Cancer Risk	
1	2027		1.12E-04	335	3.00	1.00		
2	2028		1.12E-04	335	3.00	1.00		
3	2029		1.12E-04	335	3.00	1.00		
4	2030		1.12E-04	335	3.00	1.00		
5								0.00 Chronic Hazard Impact
6								1 Significance Threshold
7								No Significant?
8								Acute Hazard Impact
9								1 Significance Threshold
10								No Significant?
11								Cancer Risk (Child)
12								10 Significance Threshold
13								No Significant?
14								Cancer Risk (Adult)
15								10 Significance Threshold
16								No Significant?
17								
18								
19								
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21								
22								
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25								
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27								
28								
29								
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Health Risk Assessment Assumptions

3 Chronic Reference Exposure Level (ug/m3)
27 Acute Reference Exposure Level (ug/m3)
0.1 Cancer Potency Slope Factor (cancer risk per mg/kg-day)
350 days per year
25,550 days per lifetime

1,090 95th Percentile Daily Breathing Rates (L/kg-day) 0<2 Years
861 95th Percentile Daily Breathing Rates (L/kg-day) 2<9 Years
745 95th Percentile Daily Breathing Rates (L/kg-day) 2<16 Years
335 95th Percentile Daily Breathing Rates (L/kg-day) 16<30 Years
290 95th Percentile Daily Breathing Rates (L/kg-day) 30<70 Years

0.85 fraction of time at home 0<2 Years
0.72 fraction of time at home 2<16 Years
0.73 fraction of time at home 16<70 Years

Project: Roseville Hayden Commercial Center Service Station
Date: April 3, 2026
Condition: Fuel Station Operations
Receptor: Aldereen Senior Care
Pollutant: Benzene

Exposure Year	Calendar Year	Maximum 1-Hour Concentration (ug/m3)	Annual Concentration (ug/m3)	Daily Breathing Rates (L/kg-day)	Exposure Factor	fraction of time at home	Cancer Risk	
1	2027	1.61	1.42E-04	290	1.0	0.73	0.00	
2	2028	1.61	1.42E-04	290	1.0	0.73	0.00	
3	2029	1.61	1.42E-04	290	1.0	0.73	0.00	
4	2030	1.61	1.42E-04	290	1.0	0.73	0.00	0.00 Chronic Hazard Impact
5	2031	1.61	1.42E-04	290	1.0	0.73	0.00	1 Significance Threshold
6	2032	1.61	1.42E-04	290	1.0	0.73	0.00	No Significant?
7	2033	1.61	1.42E-04	290	1.0	0.73	0.00	
8	2034	1.61	1.42E-04	290	1.0	0.73	0.00	0.06 Acute Hazard Impact
9	2035	1.61	1.42E-04	290	1.0	0.73	0.00	1 Significance Threshold
10	2036	1.61	1.42E-04	290	1.0	0.73	0.00	No Significant?
11	2037	1.61	1.42E-04	290	1.0	0.73	0.00	
12	2038	1.61	1.42E-04	290	1.0	0.73	0.00	0.00 Cancer Risk (Child)
13	2039	1.61	1.42E-04	290	1.0	0.73	0.00	10 Significance Threshold
14	2040	1.61	1.42E-04	290	1.0	0.73	0.00	No Significant?
15	2041	1.61	1.42E-04	290	1.0	0.73	0.00	
16	2042	1.61	1.42E-04	290	1.0	0.73	0.00	0.00 Cancer Risk (Adult)
17	2043	1.61	1.42E-04	290	1.0	0.73	0.00	10 Significance Threshold
18	2044	1.61	1.42E-04	290	1.0	0.73	0.00	No Significant?
19	2045	1.61	1.42E-04	290	1.0	0.73	0.00	
20	2046	1.61	1.42E-04	290	1.0	0.73	0.00	
21	2047	1.61	1.42E-04	290	1.0	0.73	0.00	
22	2048	1.61	1.42E-04	290	1.0	0.73	0.00	
23	2049	1.61	1.42E-04	290	1.0	0.73	0.00	
24	2050	1.61	1.42E-04	290	1.0	0.73	0.00	
25	2051	1.61	1.42E-04	290	1.0	0.73	0.00	
26	2052	1.61	1.42E-04	290	1.0	0.73	0.00	
27	2053	1.61	1.42E-04	290	1.0	0.73	0.00	
28	2054	1.61	1.42E-04	290	1.0	0.73	0.00	
29	2055	1.61	1.42E-04	290	1.0	0.73	0.00	
30	2056	1.61	1.42E-04	290	1.0	0.73	0.00	

Health Risk Assessment Assumptions

2000 Chronic Reference Exposure Level (ug/m3)
 Acute Reference Exposure Level (ug/m3)
 0.0087 Cancer Potency Slope Factor (cancer risk per mg/kg-day)
 350 days per year
 25,550 days per lifetime

 1,090 95th Percentile Daily Breathing Rates (L/kg-day) 0<2 Years
 861 95th Percentile Daily Breathing Rates (L/kg-day) 2<9 Years
 745 95th Percentile Daily Breathing Rates (L/kg-day) 2<16 Years
 335 95th Percentile Daily Breathing Rates (L/kg-day) 16<30 Years
 290 95th Percentile Daily Breathing Rates (L/kg-day) 30<70 Years

 0.85 fraction of time at home 0<2 Years
 0.72 fraction of time at home 2<16 Years
 0.73 fraction of time at home 16<70 Years

Project: Roseville Hayden Commercial Center Service Station
 Date: April 3, 2026
 Condition: Fuel Station Operations
 Receptor: Aldereen Senior Care
 Pollutant: Ethylbenzene

Exposure Year	Calendar Year	Maximum 1-Hour Concentration (ug/m3)	Annual Concentration (ug/m3)	Daily Breathing Rates (L/kg-day)	Exposure Factor	fraction of time at home	Cancer Risk	
1	2027		3.33E-05	290	1.0	0.73	0.00	
2	2028		3.33E-05	290	1.0	0.73	0.00	
3	2029		3.33E-05	290	1.0	0.73	0.00	
4	2030		3.33E-05	290	1.0	0.73	0.00	
5	2031		3.33E-05	290	1.0	0.73	0.00	0.00 Chronic Hazard Impact
6	2032		3.33E-05	290	1.0	0.73	0.00	1 Significance Threshold
7	2033		3.33E-05	290	1.0	0.73	0.00	No Significant?
8	2034		3.33E-05	290	1.0	0.73	0.00	
9	2035		3.33E-05	290	1.0	0.73	0.00	Acute Hazard Impact
10	2036		3.33E-05	290	1.0	0.73	0.00	1 Significance Threshold
11	2037		3.33E-05	290	1.0	0.73	0.00	No Significant?
12	2038		3.33E-05	290	1.0	0.73	0.00	
13	2039		3.33E-05	290	1.0	0.73	0.00	0.00 Cancer Risk (Child)
14	2040		3.33E-05	290	1.0	0.73	0.00	10 Significance Threshold
15	2041		3.33E-05	290	1.0	0.73	0.00	No Significant?
16	2042		3.33E-05	290	1.0	0.73	0.00	
17	2043		3.33E-05	290	1.0	0.73	0.00	0.00 Cancer Risk (Adult)
18	2044		3.33E-05	290	1.0	0.73	0.00	10 Significance Threshold
19	2045		3.33E-05	290	1.0	0.73	0.00	No Significant?
20	2046		3.33E-05	290	1.0	0.73	0.00	
21	2047		3.33E-05	290	1.0	0.73	0.00	
22	2048		3.33E-05	290	1.0	0.73	0.00	
23	2049		3.33E-05	290	1.0	0.73	0.00	
24	2050		3.33E-05	290	1.0	0.73	0.00	
25	2051		3.33E-05	290	1.0	0.73	0.00	
26	2052		3.33E-05	290	1.0	0.73	0.00	
27	2053		3.33E-05	290	1.0	0.73	0.00	
28	2054		3.33E-05	290	1.0	0.73	0.00	
29	2055		3.33E-05	290	1.0	0.73	0.00	
30	2056		3.33E-05	290	1.0	0.73	0.00	

Health Risk Assessment Assumptions

9 Chronic Reference Exposure Level (ug/m3)
 Acute Reference Exposure Level (ug/m3)
 0.12 Cancer Potency Slope Factor (cancer risk per mg/kg-day)
 350 days per year
 25,550 days per lifetime

 1,090 95th Percentile Daily Breathing Rates (L/kg-day) 0<2 Years
 861 95th Percentile Daily Breathing Rates (L/kg-day) 2<9 Years
 745 95th Percentile Daily Breathing Rates (L/kg-day) 2<16 Years
 335 95th Percentile Daily Breathing Rates (L/kg-day) 16<30 Years
 290 95th Percentile Daily Breathing Rates (L/kg-day) 30<70 Years

 0.85 fraction of time at home 0<2 Years
 0.72 fraction of time at home 2<16 Years
 0.73 fraction of time at home 16<70 Years

Project: Roseville Hayden Commercial Center Service Station
 Date: April 3, 2026
 Condition: Fuel Station Operations
 Receptor: Aldereen Senior Care
 Pollutant: Naphthalene

Exposure Year	Calendar Year	Maximum 1-Hour Concentration (ug/m3)	Annual Concentration (ug/m3)	Daily Breathing Rates (L/kg-day)	Exposure Factor	fraction of time at home	Cancer Risk	
1	2027		1.63E-07	290	1.0	0.73	0.0	
2	2028		1.63E-07	290	1.0	0.73	0.0	
3	2029		1.63E-07	290	1.0	0.73	0.00	
4	2030		1.63E-07	290	1.0	0.73	0.00	0.00 Chronic Hazard Impact
5	2031		1.63E-07	290	1.0	0.73	0.00	1 Significance Threshold
6	2032		1.63E-07	290	1.0	0.73	0.00	No Significant?
7	2033		1.63E-07	290	1.0	0.73	0.00	
8	2034		1.63E-07	290	1.0	0.73	0.00	Acute Hazard Impact
9	2035		1.63E-07	290	1.0	0.73	0.00	1 Significance Threshold
10	2036		1.63E-07	290	1.0	0.73	0.00	No Significant?
11	2037		1.63E-07	290	1.0	0.73	0.00	
12	2038		1.63E-07	290	1.0	0.73	0.00	0.00 Cancer Risk (Child)
13	2039		1.63E-07	290	1.0	0.73	0.00	10 Significance Threshold
14	2040		1.63E-07	290	1.0	0.73	0.00	No Significant?
15	2041		1.63E-07	290	1.0	0.73	0.00	
16	2042		1.63E-07	290	1.0	0.73	0.00	0.00 Cancer Risk (Adult)
17	2043		1.63E-07	290	1.0	0.73	0.00	10 Significance Threshold
18	2044		1.63E-07	290	1.0	0.73	0.00	No Significant?
19	2045		1.63E-07	290	1.0	0.73	0.00	
20	2046		1.63E-07	290	1.0	0.73	0.00	
21	2047		1.63E-07	290	1.0	0.73	0.00	
22	2048		1.63E-07	290	1.0	0.73	0.00	
23	2049		1.63E-07	290	1.0	0.73	0.00	
24	2050		1.63E-07	290	1.0	0.73	0.00	
25	2051		1.63E-07	290	1.0	0.73	0.00	
26	2052		1.63E-07	290	1.0	0.73	0.00	
27	2053		1.63E-07	290	1.0	0.73	0.00	
28	2054		1.63E-07	290	1.0	0.73	0.00	
29	2055		1.63E-07	290	1.0	0.73	0.00	
30	2056		1.63E-07	290	1.0	0.73	0.00	

Health Risk Assessment Assumptions

420 Chronic Reference Exposure Level (ug/m3)
5,000 Acute Reference Exposure Level (ug/m3)
Cancer Potency Slope Factor (cancer risk per mg/kg-day)
350 days per year
25,550 days per lifetime

1,090 95th Percentile Daily Breathing Rates (L/kg-day) 0<2 Years
861 95th Percentile Daily Breathing Rates (L/kg-day) 2<9 Years
745 95th Percentile Daily Breathing Rates (L/kg-day) 2<16 Years
335 95th Percentile Daily Breathing Rates (L/kg-day) 16<30 Years
290 95th Percentile Daily Breathing Rates (L/kg-day) 30<70 Years

0.85 fraction of time at home 0<2 Years
0.72 fraction of time at home 2<16 Years
0.73 fraction of time at home 16<70 Years

Project: Roseville Hayden Commercial Center Service Station
Date: April 3, 2026
Condition: Fuel Station Operations
Receptor: Aldereen Senior Care
Pollutant: Toluene

Exposure Year	Calendar Year	Maximum 1-Hour Concentration (ug/m3)	Annual Concentration (ug/m3)	Daily Breathing Rates (L/kg-day)	Exposure Factor	fraction of time at home	Cancer Risk	
1	2027	4.7	3.45E-04	290	1.0	0.73		
2	2028	4.7	3.45E-04	290	1.0	0.73		
3	2029	4.7	3.45E-04	290	1.0	0.73		
4	2030	4.7	3.45E-04	290	1.0	0.73		
5	2031	4.7	3.45E-04	290	1.0	0.73		0.00 Chronic Hazard Impact
6	2032	4.7	3.45E-04	290	1.0	0.73		1 Significance Threshold
7	2033	4.7	3.45E-04	290	1.0	0.73		No Significant?
8	2034	4.7	3.45E-04	290	1.0	0.73		
9	2035	4.7	3.45E-04	290	1.0	0.73		0.00 Acute Hazard Impact
10	2036	4.7	3.45E-04	290	1.0	0.73		1 Significance Threshold
11	2037	4.7	3.45E-04	290	1.0	0.73		No Significant?
12	2038	4.7	3.45E-04	290	1.0	0.73		Cancer Risk (Child)
13	2039	4.7	3.45E-04	290	1.0	0.73		10 Significance Threshold
14	2040	4.7	3.45E-04	290	1.0	0.73		No Significant?
15	2041	4.7	3.45E-04	290	1.0	0.73		
16	2042	4.7	3.45E-04	290	1.0	0.73		Cancer Risk (Adult)
17	2043	4.7	3.45E-04	290	1.0	0.73		10 Significance Threshold
18	2044	4.7	3.45E-04	290	1.0	0.73		No Significant?
19	2045	4.7	3.45E-04	290	1.0	0.73		
20	2046	4.7	3.45E-04	290	1.0	0.73		
21	2047	4.7	3.45E-04	290	1.0	0.73		
22	2048	4.7	3.45E-04	290	1.0	0.73		
23	2049	4.7	3.45E-04	290	1.0	0.73		
24	2050	4.7	3.45E-04	290	1.0	0.73		
25	2051	4.7	3.45E-04	290	1.0	0.73		
26	2052	4.7	3.45E-04	290	1.0	0.73		
27	2053	4.7	3.45E-04	290	1.0	0.73		
28	2054	4.7	3.45E-04	290	1.0	0.73		
29	2055	4.7	3.45E-04	290	1.0	0.73		
30	2056	4.7	3.45E-04	290	1.0	0.73		

Health Risk Assessment Assumptions

700 Chronic Reference Exposure Level (ug/m3)
22000 Acute Reference Exposure Level (ug/m3)
Cancer Potency Slope Factor (cancer risk per mg/kg-day)
350 days per year
25,550 days per lifetime

1,090 95th Percentile Daily Breathing Rates (L/kg-day) 0<2 Years
861 95th Percentile Daily Breathing Rates (L/kg-day) 2<9 Years
745 95th Percentile Daily Breathing Rates (L/kg-day) 2<16 Years
335 95th Percentile Daily Breathing Rates (L/kg-day) 16<30 Years
290 95th Percentile Daily Breathing Rates (L/kg-day) 30<70 Years

0.85 fraction of time at home 0<2 Years
0.72 fraction of time at home 2<16 Years
0.73 fraction of time at home 16<70 Years

Project: Roseville Hayden Commercial Center Service Station
Date: April 3, 2026
Condition: Fuel Station Operations
Receptor: Aldereen Senior Care
Pollutant: Xylene

Exposure Year	Calendar Year	Maximum 1-Hour Concentration (ug/m3)	Annual Concentration (ug/m3)	Daily Breathing Rates (L/kg-day)	Exposure Factor	fraction of time at home	Cancer Risk	
1	2027	3.5	1.28E-04	290	1.0	0.73		
2	2028	3.5	1.28E-04	290	1.0	0.73		
3	2029	3.5	1.28E-04	290	1.0	0.73		
4	2030	3.5	1.28E-04	290	1.0	0.73		
5	2031	3.5	1.28E-04	290	1.0	0.73		0.00 Chronic Hazard Impact
6	2032	3.5	1.28E-04	290	1.0	0.73		1 Significance Threshold
7	2033	3.5	1.28E-04	290	1.0	0.73		No Significant?
8	2034	3.5	1.28E-04	290	1.0	0.73		
9	2035	3.5	1.28E-04	290	1.0	0.73		0.00 Acute Hazard Impact
10	2036	3.5	1.28E-04	290	1.0	0.73		1 Significance Threshold
11	2037	3.5	1.28E-04	290	1.0	0.73		No Significant?
12	2038	3.5	1.28E-04	290	1.0	0.73		Cancer Risk (Child)
13	2039	3.5	1.28E-04	290	1.0	0.73		10 Significance Threshold
14	2040	3.5	1.28E-04	290	1.0	0.73		No Significant?
15	2041	3.5	1.28E-04	290	1.0	0.73		
16	2042	3.5	1.28E-04	290	1.0	0.73		Cancer Risk (Adult)
17	2043	3.5	1.28E-04	290	1.0	0.73		10 Significance Threshold
18	2044	3.5	1.28E-04	290	1.0	0.73		No Significant?
19	2045	3.5	1.28E-04	290	1.0	0.73		
20	2046	3.5	1.28E-04	290	1.0	0.73		
21	2047	3.5	1.28E-04	290	1.0	0.73		
22	2048	3.5	1.28E-04	290	1.0	0.73		
23	2049	3.5	1.28E-04	290	1.0	0.73		
24	2050	3.5	1.28E-04	290	1.0	0.73		
25	2051	3.5	1.28E-04	290	1.0	0.73		
26	2052	3.5	1.28E-04	290	1.0	0.73		
27	2053	3.5	1.28E-04	290	1.0	0.73		
28	2054	3.5	1.28E-04	290	1.0	0.73		
29	2055	3.5	1.28E-04	290	1.0	0.73		
30	2056	3.5	1.28E-04	290	1.0	0.73		

Health Risk Assessment Assumptions

7000 Chronic Reference Exposure Level (ug/m3)
Acute Reference Exposure Level (ug/m3)
Cancer Potency Slope Factor (cancer risk per mg/kg-day)
350 days per year
25,550 days per lifetime

1,090 95th Percentile Daily Breathing Rates (L/kg-day) 0<2 Years
861 95th Percentile Daily Breathing Rates (L/kg-day) 2<9 Years
745 95th Percentile Daily Breathing Rates (L/kg-day) 2<16 Years
335 95th Percentile Daily Breathing Rates (L/kg-day) 16<30 Years
290 95th Percentile Daily Breathing Rates (L/kg-day) 30<70 Years

0.85 fraction of time at home 0<2 Years
0.72 fraction of time at home 2<16 Years
0.73 fraction of time at home 16<70 Years

Project: Roseville Hayden Commercial Center Service Station
Date: April 3, 2026
Condition: Fuel Station Operations
Receptor: Aldereen Senior Care
Pollutant: Hexane

Exposure Year	Calendar Year	Maximum 1-Hour Concentration (ug/m3)	Annual Concentration (ug/m3)	Daily Breathing Rates (L/kg-day)	Exposure Factor	fraction of time at home	Cancer Risk	
1	2027		5.64E-04	290	1.0	0.73		
2	2028		5.64E-04	290	1.0	0.73		
3	2029		5.64E-04	290	1.0	0.73		
4	2030		5.64E-04	290	1.0	0.73		
5	2031		5.64E-04	290	1.0	0.73		0.00 Chronic Hazard Impact
6	2032		5.64E-04	290	1.0	0.73		1 Significance Threshold
7	2033		5.64E-04	290	1.0	0.73		No Significant?
8	2034		5.64E-04	290	1.0	0.73		
9	2035		5.64E-04	290	1.0	0.73		Acute Hazard Impact
10	2036		5.64E-04	290	1.0	0.73		1 Significance Threshold
11	2037		5.64E-04	290	1.0	0.73		No Significant?
12	2038		5.64E-04	290	1.0	0.73		
13	2039		5.64E-04	290	1.0	0.73		Cancer Risk (Child)
14	2040		5.64E-04	290	1.0	0.73		10 Significance Threshold
15	2041		5.64E-04	290	1.0	0.73		No Significant?
16	2042		5.64E-04	290	1.0	0.73		
17	2043		5.64E-04	290	1.0	0.73		Cancer Risk (Adult)
18	2044		5.64E-04	290	1.0	0.73		10 Significance Threshold
19	2045		5.64E-04	290	1.0	0.73		No Significant?
20	2046		5.64E-04	290	1.0	0.73		
21	2047		5.64E-04	290	1.0	0.73		
22	2048		5.64E-04	290	1.0	0.73		
23	2049		5.64E-04	290	1.0	0.73		
24	2050		5.64E-04	290	1.0	0.73		
25	2051		5.64E-04	290	1.0	0.73		
26	2052		5.64E-04	290	1.0	0.73		
27	2053		5.64E-04	290	1.0	0.73		
28	2054		5.64E-04	290	1.0	0.73		
29	2055		5.64E-04	290	1.0	0.73		
30	2056		5.64E-04	290	1.0	0.73		

Control Pathway

AERMOD

Dispersion Options

Titles Roseville Hayden Commercial Center Fuel Station	
Dispersion Options ☒ Regulatory Default ☐ Non-Default Options	Dispersion Coefficient Rural
	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 OTHER - AIRTOXIC	Exponential Decay Option not available
Averaging Time Options Hours ☒ 1 ☐ 2 ☐ 3 ☐ 4 ☐ 6 ☐ 8 ☐ 12 ☐ 24 ☐ Month ☒ Period ☐ Annual	Terrain Height Options ☐ Flat ☒ Elevated SO: Meters RE: Meters TG: Meters
Flagpole Receptors ☒ Yes ☐ No Default Height = 1.80 m	

Optional Files



Re-Start File



Init File



Multi-Year Analyses



Event Input File



Error Listing File

Detailed Error Listing File

Filename: AERMOD.err

Source Pathway - Source Inputs

AERMOD

Point Sources

Source Type	Source ID	X Coordinate [m]	Y Coordinate [m]	Base Elevation (Optional)	Release Height [m]	Emission Rate [g/s]	Gas Exit Temp. [K]	Gas Exit Velocity [m/s]	Stack Inside Diameter [m]
POINT	POINT	641310.25	4294992.98	24.16	3.66	1.00000	291.00	0.00	0.05

Volume Sources

Source Type	Source ID	X Coordinate [m]	Y Coordinate [m]	Base Elevation (Optional)	Release Height [m]	Emission Rate [g/s]	Length of Side [m]	Building Height [m]	Initial Lateral Dim. [m]	Initial Vertical Dim. [m]
VOLUME	VOLUME	641310.42	4294992.77	24.16	1.50	1.00000	13.00		6.40	1.86

Source Pathway

AERMOD

Building Downwash Information

Option not in use

Emission Rate Units for Output

For Concentration

Unit Factor: 1E6
Emission Unit Label: GRAMS/SEC
Concentration Unit Label: MICROGRAMS/M**3

Source Groups

Source Group ID: VOLUME	List of Sources in Group (Source Range or Single Sources)
	VOLUME
Source Group ID: POINT	List of Sources in Group (Source Range or Single Sources)
	POINT

Variable Emissions

Hourly Emission Rate Variation

Scenario: Scenario 1

Source ID:	POINT						
1 to 6		0.15	0.15	0.15	0.15	0.15	0.15
7 to 12		0.85	0.85	0.85	0.85	0.85	0.85
13 to 18		0.85	0.82	0.85	0.85	0.85	0.82
19 to 24		0.15	0.15	0.15	0.15	0.15	0.15
Source ID:	VOLUME						
1 to 6		0.15	0.15	0.15	0.15	0.15	0.15
7 to 12		0.85	0.85	0.85	0.85	0.85	0.85
13 to 18		0.85	0.82	0.85	0.85	0.85	0.82
19 to 24		0.15	0.15	0.15	0.15	0.15	0.15

Receptor Pathway

AERMOD

Receptor Networks

Note: Terrain Elevations 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	641232.59	4295000.70		24.59	
2	641234.02	4294983.60		24.76	
3	641231.88	4294967.21		24.97	
4	641233.31	4294945.83		25.18	
5	641234.02	4294923.74		25.42	
6	641226.18	4294909.49		25.65	
7	641194.82	4294899.51		25.94	
8	641178.43	4294903.07		25.73	
9	641157.77	4294905.92		25.46	
10	641141.38	4294913.76		25.19	
11	641113.58	4294921.60		24.81	
12	641189.12	4294940.84		25.60	
13	641190.55	4294955.81		25.48	
14	641189.12	4294980.04		25.24	
15	641168.46	4294989.30		25.10	
16	641210.50	4295026.36		24.64	
17	641188.41	4295030.63		24.73	
18	641171.31	4295034.20		24.69	
19	641154.20	4295042.04		24.60	
20	641136.39	4295047.74		24.53	
21	641119.29	4295052.01		24.45	
22	641069.40	4295042.04		24.13	
23	641045.17	4295034.91		24.00	
24	641030.92	4295017.09		24.00	
25	641013.82	4295006.40		24.00	
26	641005.26	4294991.44		24.00	
27	640991.01	4294977.90		24.00	
28	640978.18	4294960.80		24.00	
29	640971.06	4294941.55		24.00	
30	640967.50	4294920.18		24.00	

Receptor Pathway

AERMOD

31	640968.21	4294903.79	24.00
32	640974.62	4294883.12	24.00
33	641153.49	4294992.15	25.05
34	641134.96	4294997.14	25.01
35	641117.15	4295002.13	24.88
36	641097.91	4295005.69	24.60
37	641077.95	4294996.43	24.34
38	641059.42	4294986.45	24.08
39	641049.45	4294971.49	24.00
40	641035.20	4294959.37	24.00
41	641018.09	4294945.83	24.00
42	641010.97	4294922.31	24.00
43	641015.24	4294899.51	24.00
44	641027.36	4294882.41	24.00
45	641045.88	4294904.50	24.00
46	641059.42	4294923.74	24.06
47	641065.84	4294936.57	24.16
48	641075.82	4294952.96	24.30
49	641096.48	4294968.63	24.59
50	641115.72	4294970.06	24.85
51	641133.54	4294961.51	25.05
52	641151.35	4294957.23	25.18
53	641168.46	4294950.11	25.34
54	641102.90	4294904.50	24.71
55	641092.92	4294892.38	24.63
56	641115.01	4294882.41	25.08
57	641126.41	4294870.29	25.42
58	641172.73	4294872.43	25.78
59	641226.89	4294874.57	25.79
60	641231.88	4294854.61	25.85
61	641228.32	4294836.09	25.94
62	641179.86	4294834.66	25.95
63	641172.02	4294854.61	25.85
64	641140.66	4294858.18	25.65
65	641071.54	4294862.45	24.33
66	641058.00	4294848.91	24.04
67	641039.47	4294836.80	24.00
68	640999.56	4294821.12	24.00

Receptor Pathway

AERMOD

69	641009.54	4294804.73	24.00
70	641043.03	4294767.67	24.00
71	641062.99	4294759.12	24.19
72	641078.67	4294748.43	24.79
73	641093.63	4294738.46	25.41
74	641112.16	4294730.62	26.20
75	641127.84	4294722.06	26.94
76	641149.93	4294714.23	27.14
77	641169.17	4294713.51	27.15
78	641185.56	4294714.94	27.14
79	641206.23	4294714.23	27.15
80	641236.87	4294744.87	26.83
81	641232.59	4294760.55	26.66
82	641231.17	4294780.50	26.44
83	641230.46	4294817.56	26.04
84	641229.74	4294800.45	26.23
85	641189.84	4294791.19	26.32
86	641190.55	4294764.82	26.60
87	641167.03	4294761.26	26.64
88	641169.17	4294792.61	26.30
89	641148.50	4294796.18	26.26
90	641132.83	4294806.87	26.14
91	641127.12	4294773.37	26.40
92	641144.23	4294762.68	26.62
93	641110.02	4294780.50	25.76
94	641092.21	4294792.61	25.11
95	641114.30	4294815.42	25.62
96	641101.47	4294826.82	25.19
97	641085.08	4294840.36	24.70
98	641056.57	4294814.71	24.00
99	641075.82	4294804.02	24.56
100	641269.65	4294836.09	25.86
101	641319.53	4294845.35	25.76
102	641353.74	4294848.91	25.73
103	641370.84	4294797.60	26.28
104	641320.25	4294788.34	26.37
105	641269.65	4294779.79	26.46
106	641271.79	4294750.57	26.77

Receptor Pathway

AERMOD

107	641333.79	4294749.86	26.79
108	641387.95	4294741.31	26.90
109	641374.41	4294711.38	27.22
110	641353.03	4294698.55	27.35
111	641323.10	4294687.86	27.46
112	641271.08	4294699.97	27.32
113	641276.78	4294670.04	27.64
114	641405.76	4294944.41	24.70
115	641430.71	4294945.83	24.69
116	641449.23	4294941.55	24.74
117	641470.61	4294942.98	24.73
118	641461.35	4294992.86	24.19
119	641481.30	4294991.44	24.21
120	641499.83	4294990.73	24.22
121	641519.78	4294986.45	24.27
122	641540.45	4294987.88	24.26
123	641561.83	4294981.46	24.33
124	641583.92	4294978.61	24.25
125	641608.86	4294973.62	24.14
126	641617.41	4294949.39	24.15
127	641616.70	4294926.59	24.22
128	641618.13	4294907.35	24.34
129	641615.99	4294886.68	24.53
130	641617.41	4294870.29	24.66
131	641613.14	4294840.36	24.91
132	641564.68	4294935.14	24.80
133	641564.68	4294914.47	24.96
134	641566.10	4294893.81	24.96
135	641568.96	4294875.28	24.95
136	641568.24	4294854.61	24.98
137	641562.54	4294834.66	25.01
138	641526.91	4294832.52	25.47
139	641521.92	4294853.19	25.40
140	641519.07	4294876.71	25.27
141	641519.78	4294895.95	25.15
142	641515.51	4294916.61	25.02
143	641514.08	4294937.99	24.79
144	641469.19	4294903.79	25.15

Receptor Pathway

AERMOD

145	641451.37	4294900.22		25.19
146	641429.99	4294899.51		25.19
147	641405.76	4294895.95		25.23
148	641418.59	4294841.07		25.82
149	641441.39	4294836.09		25.88
150	641476.31	4294852.48		25.71
151	641474.89	4294831.10		25.94
152	641464.20	4294774.09		26.21
153	641487.72	4294781.21		26.03
154	641507.67	4294784.78		25.88
155	641530.47	4294788.34		25.69
156	641549.00	4294787.63		25.54
157	641571.09	4294789.76		25.37
158	641571.09	4294749.14		25.77
159	641547.58	4294751.28		25.86
160	641526.20	4294748.43		25.93
161	641499.12	4294742.02		25.99
162	641479.16	4294732.04		26.20
163	641459.21	4294727.77		26.52
164	641487.72	4294665.77		26.82
165	641506.96	4294681.44		26.57
166	641526.20	4294698.55		26.38
167	641547.58	4294702.82		26.34
168	641567.53	4294700.69		26.34
169	641571.09	4294652.94		26.82
170	641548.29	4294651.51		26.90
171	641534.04	4294641.54		27.00
172	641504.82	4294635.84		27.06
173	641610.29	4294789.05		25.15
174	641610.29	4294749.86		25.31
175	641611.00	4294697.84		25.78
176	641618.13	4294666.48		26.03
177	641615.99	4294645.81		26.29
178	641565.39	4294603.06		27.42
179	641618.13	4294620.16		26.72
180	641050.00	4295060.00	UCART1	24.00
181	641070.00	4295060.00	UCART1	24.09
182	641550.00	4295060.00	UCART1	24.00

Receptor Pathway

AERMOD

183	641570.00	4295060.00	UCART1	24.00
184	641590.00	4295060.00	UCART1	24.00
185	641610.00	4295060.00	UCART1	24.00
186	641270.00	4295080.00	UCART1	24.00
187	641290.00	4295080.00	UCART1	24.00
188	641310.00	4295080.00	UCART1	24.00
189	641330.00	4295080.00	UCART1	24.00
190	641350.00	4295080.00	UCART1	24.00
191	641370.00	4295080.00	UCART1	24.00
192	641410.00	4295080.00	UCART1	24.00
193	641430.00	4295080.00	UCART1	24.00
194	641450.00	4295080.00	UCART1	24.00
195	641470.00	4295080.00	UCART1	24.00
196	641490.00	4295080.00	UCART1	24.00
197	641510.00	4295080.00	UCART1	24.00
198	641530.00	4295080.00	UCART1	24.00
199	641550.00	4295080.00	UCART1	24.00
200	641570.00	4295080.00	UCART1	24.00
201	641590.00	4295080.00	UCART1	24.00
202	641190.00	4295100.00	UCART1	24.00
203	641210.00	4295100.00	UCART1	24.00
204	641230.00	4295100.00	UCART1	24.00
205	641250.00	4295100.00	UCART1	24.00
206	641270.00	4295100.00	UCART1	24.00
207	641290.00	4295100.00	UCART1	24.00
208	641310.00	4295100.00	UCART1	24.00
209	641330.00	4295100.00	UCART1	24.00
210	641350.00	4295100.00	UCART1	24.00
211	641370.00	4295100.00	UCART1	24.00
212	641410.00	4295100.00	UCART1	24.00
213	641430.00	4295100.00	UCART1	24.00
214	641450.00	4295100.00	UCART1	24.00
215	641470.00	4295100.00	UCART1	24.00
216	641490.00	4295100.00	UCART1	24.00
217	641510.00	4295100.00	UCART1	24.00
218	641530.00	4295100.00	UCART1	24.00
219	641550.00	4295100.00	UCART1	24.00
220	641570.00	4295100.00	UCART1	24.00

Receptor Pathway

AERMOD

221	641590.00	4295100.00	UCART1	24.00
222	641130.00	4295120.00	UCART1	24.00
223	641150.00	4295120.00	UCART1	24.00
224	641170.00	4295120.00	UCART1	24.00
225	641190.00	4295120.00	UCART1	24.00
226	641210.00	4295120.00	UCART1	24.00
227	641230.00	4295120.00	UCART1	24.00
228	641250.00	4295120.00	UCART1	24.00
229	641270.00	4295120.00	UCART1	24.00
230	641290.00	4295120.00	UCART1	24.00
231	641310.00	4295120.00	UCART1	24.00
232	641330.00	4295120.00	UCART1	24.00
233	641350.00	4295120.00	UCART1	24.00
234	641370.00	4295120.00	UCART1	24.00
235	641410.00	4295120.00	UCART1	24.00
236	641430.00	4295120.00	UCART1	24.00
237	641450.00	4295120.00	UCART1	24.00
238	641470.00	4295120.00	UCART1	24.00
239	641490.00	4295120.00	UCART1	24.00
240	641510.00	4295120.00	UCART1	24.00
241	641530.00	4295120.00	UCART1	24.00
242	641550.00	4295120.00	UCART1	24.00
243	641570.00	4295120.00	UCART1	24.00
244	641590.00	4295120.00	UCART1	24.00
245	641090.00	4295140.00	UCART1	24.00
246	641110.00	4295140.00	UCART1	24.00
247	641130.00	4295140.00	UCART1	24.00
248	641150.00	4295140.00	UCART1	24.00
249	641170.00	4295140.00	UCART1	24.00
250	641190.00	4295140.00	UCART1	24.00
251	641210.00	4295140.00	UCART1	24.00
252	641230.00	4295140.00	UCART1	24.00
253	641250.00	4295140.00	UCART1	24.00
254	641270.00	4295140.00	UCART1	24.00
255	641290.00	4295140.00	UCART1	24.00
256	641310.00	4295140.00	UCART1	24.00
257	641330.00	4295140.00	UCART1	24.00
258	641350.00	4295140.00	UCART1	24.00

Receptor Pathway

AERMOD

259	641370.00	4295140.00	UCART1	24.00
260	641410.00	4295140.00	UCART1	24.00
261	641430.00	4295140.00	UCART1	24.00
262	641450.00	4295140.00	UCART1	24.00
263	641470.00	4295140.00	UCART1	24.00
264	641490.00	4295140.00	UCART1	24.00
265	641510.00	4295140.00	UCART1	24.00
266	641530.00	4295140.00	UCART1	24.00
267	641550.00	4295140.00	UCART1	24.00
268	641570.00	4295140.00	UCART1	24.00
269	641070.00	4295160.00	UCART1	24.00
270	641090.00	4295160.00	UCART1	24.00
271	641110.00	4295160.00	UCART1	24.00
272	641130.00	4295160.00	UCART1	24.00
273	641150.00	4295160.00	UCART1	24.00
274	641170.00	4295160.00	UCART1	24.00
275	641190.00	4295160.00	UCART1	24.00
276	641210.00	4295160.00	UCART1	24.00
277	641230.00	4295160.00	UCART1	24.00
278	641250.00	4295160.00	UCART1	24.00
279	641270.00	4295160.00	UCART1	24.00
280	641290.00	4295160.00	UCART1	24.00
281	641310.00	4295160.00	UCART1	24.00
282	641330.00	4295160.00	UCART1	24.00
283	641350.00	4295160.00	UCART1	24.00
284	641370.00	4295160.00	UCART1	24.00
285	641410.00	4295160.00	UCART1	24.00
286	641430.00	4295160.00	UCART1	24.00
287	641450.00	4295160.00	UCART1	24.00
288	641470.00	4295160.00	UCART1	24.00
289	641490.00	4295160.00	UCART1	24.00
290	641510.00	4295160.00	UCART1	24.00
291	641530.00	4295160.00	UCART1	24.00
292	641550.00	4295160.00	UCART1	24.00
293	641570.00	4295160.00	UCART1	24.00
294	641090.00	4295180.00	UCART1	24.00
295	641110.00	4295180.00	UCART1	24.00
296	641130.00	4295180.00	UCART1	24.00

Receptor Pathway

AERMOD

297	641150.00	4295180.00	UCART1	24.00
298	641170.00	4295180.00	UCART1	24.00
299	641190.00	4295180.00	UCART1	24.00
300	641210.00	4295180.00	UCART1	24.00
301	641230.00	4295180.00	UCART1	24.00
302	641250.00	4295180.00	UCART1	24.00
303	641270.00	4295180.00	UCART1	24.00
304	641290.00	4295180.00	UCART1	24.00
305	641310.00	4295180.00	UCART1	24.00
306	641330.00	4295180.00	UCART1	24.00
307	641350.00	4295180.00	UCART1	24.00
308	641370.00	4295180.00	UCART1	24.00
309	641410.00	4295180.00	UCART1	24.00
310	641430.00	4295180.00	UCART1	24.00
311	641450.00	4295180.00	UCART1	24.00
312	641470.00	4295180.00	UCART1	24.00
313	641490.00	4295180.00	UCART1	24.00
314	641510.00	4295180.00	UCART1	24.00
315	641530.00	4295180.00	UCART1	24.00
316	641550.00	4295180.00	UCART1	24.00
317	641090.00	4295200.00	UCART1	24.00
318	641110.00	4295200.00	UCART1	24.00
319	641130.00	4295200.00	UCART1	24.00
320	641150.00	4295200.00	UCART1	24.00
321	641170.00	4295200.00	UCART1	24.00
322	641190.00	4295200.00	UCART1	24.00
323	641210.00	4295200.00	UCART1	24.00
324	641230.00	4295200.00	UCART1	24.00
325	641250.00	4295200.00	UCART1	24.00
326	641270.00	4295200.00	UCART1	24.00
327	641290.00	4295200.00	UCART1	24.00
328	641310.00	4295200.00	UCART1	24.00
329	641330.00	4295200.00	UCART1	24.00
330	641350.00	4295200.00	UCART1	24.00
331	641370.00	4295200.00	UCART1	24.00
332	641410.00	4295200.00	UCART1	24.00
333	641430.00	4295200.00	UCART1	24.00
334	641450.00	4295200.00	UCART1	24.00

Receptor Pathway

AERMOD

335	641470.00	4295200.00	UCART1	24.00
336	641490.00	4295200.00	UCART1	24.00
337	641510.00	4295200.00	UCART1	24.00
338	641530.00	4295200.00	UCART1	24.00
339	641110.00	4295220.00	UCART1	24.00
340	641130.00	4295220.00	UCART1	24.00
341	641150.00	4295220.00	UCART1	24.00
342	641170.00	4295220.00	UCART1	24.00
343	641190.00	4295220.00	UCART1	24.00
344	641210.00	4295220.00	UCART1	24.00
345	641230.00	4295220.00	UCART1	24.00
346	641250.00	4295220.00	UCART1	24.00
347	641270.00	4295220.00	UCART1	24.00
348	641290.00	4295220.00	UCART1	24.00
349	641310.00	4295220.00	UCART1	24.00
350	641330.00	4295220.00	UCART1	24.00
351	641350.00	4295220.00	UCART1	24.00
352	641370.00	4295220.00	UCART1	24.00
353	641410.00	4295220.00	UCART1	24.00
354	641430.00	4295220.00	UCART1	24.00
355	641450.00	4295220.00	UCART1	24.00
356	641470.00	4295220.00	UCART1	24.00
357	641490.00	4295220.00	UCART1	24.00
358	641510.00	4295220.00	UCART1	24.00
359	641150.00	4295240.00	UCART1	24.00
360	641170.00	4295240.00	UCART1	24.00
361	641190.00	4295240.00	UCART1	24.00
362	641210.00	4295240.00	UCART1	24.00
363	641230.00	4295240.00	UCART1	24.00
364	641250.00	4295240.00	UCART1	24.00
365	641270.00	4295240.00	UCART1	24.00
366	641290.00	4295240.00	UCART1	24.00
367	641310.00	4295240.00	UCART1	24.00
368	641330.00	4295240.00	UCART1	24.00
369	641350.00	4295240.00	UCART1	24.00
370	641370.00	4295240.00	UCART1	24.00
371	641410.00	4295240.00	UCART1	24.00
372	641430.00	4295240.00	UCART1	24.00

Receptor Pathway

AERMOD

373	641450.00	4295240.00	UCART1	24.00
374	641470.00	4295240.00	UCART1	24.00
375	641490.00	4295240.00	UCART1	24.00
376	641170.00	4295260.00	UCART1	24.00
377	641190.00	4295260.00	UCART1	24.00
378	641210.00	4295260.00	UCART1	24.00
379	641230.00	4295260.00	UCART1	24.00
380	641250.00	4295260.00	UCART1	24.00
381	641270.00	4295260.00	UCART1	24.00
382	641290.00	4295260.00	UCART1	24.00
383	641310.00	4295260.00	UCART1	24.00
384	641330.00	4295260.00	UCART1	24.00
385	641350.00	4295260.00	UCART1	24.00
386	641370.00	4295260.00	UCART1	24.00
387	641410.00	4295260.00	UCART1	24.00
388	641430.00	4295260.00	UCART1	24.00
389	641450.00	4295260.00	UCART1	24.00
390	641210.00	4295280.00	UCART1	24.00
391	641230.00	4295280.00	UCART1	24.00
392	641250.00	4295280.00	UCART1	24.00
393	641270.00	4295280.00	UCART1	24.00
394	641290.00	4295280.00	UCART1	24.00
395	641310.00	4295280.00	UCART1	24.00
396	641330.00	4295280.00	UCART1	24.00
397	641350.00	4295280.00	UCART1	24.00
398	641370.00	4295280.00	UCART1	24.00
399	641410.00	4295280.00	UCART1	24.00
400	641241.06	4295025.57		24.32
401	641401.10	4294998.59		24.12
402	641403.80	4295029.16		24.00
403	641422.68	4295009.38		24.00
404	641442.46	4295023.77		24.00
405	641400.20	4294968.02		24.45
406	641402.90	4294665.02		27.72
407	641231.41	4294780.46		26.44

Plant Boundary Receptors

Receptor Pathway

AERMOD

Receptor Groups

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

Meteorology Pathway

AERMOD

Met Input Data

Surface Met Data

Filename: ..\Met Data\14-18.SFC
Format Type: Default AERMET format

Profile Met Data

Filename: ..\Met Data\14-18.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): 7.00 [m]

Meteorological Station Data

Stations	Station No.	Year	X Coordinate [m]	Y Coordinate [m]	Station Name
Surface		2014			Sacramento International Airport
Upper Air		2014			OAKLAND/WSO AP

Data Period

Data Period to Process

Start Date: 1/1/2014 Start Hour: 1 End Date: 12/25/2018 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

AERMOD

Tabular Printed Outputs

Short Term Averaging Period	RECTABLE Highest Values Table										MAXTABLE Maximum Values Table	DAYTABLE Daily Values Table
	1st	2nd	3rd	4th	5th	6th	7th	8th	9th	10th		
1												No

Contour Plot Files (PLOTFILE)

Path for PLOTFILES: \AERMOD.AD

Averaging Period	Source Group ID	High Value	File Name
1	POINT	1st	01H1G001.PLT
1	VOLUME	1st	01H1G002.PLT
Period	POINT	N/A	PE00G001.PLT
Period	VOLUME	N/A	PE00G002.PLT

Results Summary

Roseville Hayden Commercial Center Fuel Station

AIRTOXIC - Concentration - Source Group: POINT

Averaging Period	Rank	Peak	Units	X (m)	Y (m)	ZELEV (m)	ZFLAG (m)	ZHILL (m)	Peak Date, Start Hour
1-HR	1ST	4289.32139	ug/m^3	641234.02	4294983.60	24.76	1.20	24.76	2/23/2017, 8
PERIOD		66.54151	ug/m^3	641310.00	4295080.00	24.00	1.20	24.00	

AIRTOXIC - Concentration - Source Group: VOLUME

Averaging Period	Rank	Peak	Units	X (m)	Y (m)	ZELEV (m)	ZFLAG (m)	ZHILL (m)	Peak Date, Start Hour
1-HR	1ST	5700.29851	ug/m^3	641234.02	4294983.60	24.76	1.20	24.76	2/23/2017, 8
PERIOD		69.01967	ug/m^3	641310.00	4295080.00	24.00	1.20	24.00	

Sensitive Receptor Summary

Roseville Hayden Commercial Center Fuel Station

AIRTOXIC - Concentration - Source Group: POINT

Averaging Period	Rank	Peak	Units	Receptor ID	X (m)	Y (m)	ZELEV (m)	ZFLAG (m)	ZHILL (m)	Peak Date, Start Hour
1-HR	1ST	4076.89843	ug/m^3	1	641232.59	4295000.70	24.59	1.20	24.59	1/14/2016, 9
1-HR	1ST	4289.32139	ug/m^3	1	641234.02	4294983.60	24.76	1.20	24.76	2/23/2017, 8
1-HR	1ST	3970.70503	ug/m^3	1	641231.88	4294967.21	24.97	1.20	24.97	1/9/2015, 9
1-HR	1ST	3775.28217	ug/m^3	1	641233.31	4294945.83	25.18	1.20	25.18	12/22/2016, 9
1-HR	1ST	3394.52505	ug/m^3	1	641234.02	4294923.74	25.42	1.20	25.42	1/1/2015, 9
1-HR	1ST	2784.00594	ug/m^3	1	641226.18	4294909.49	25.65	1.20	25.65	1/3/2015, 7
1-HR	1ST	2429.44436	ug/m^3	1	641194.82	4294899.51	25.94	1.20	25.94	1/1/2015, 9
1-HR	1ST	1971.40552	ug/m^3	1	641178.43	4294903.07	25.73	1.20	25.73	1/1/2015, 9
1-HR	1ST	1790.43189	ug/m^3	1	641157.77	4294905.92	25.46	1.20	25.46	12/6/2014, 17
1-HR	1ST	1559.59236	ug/m^3	1	641141.38	4294913.76	25.19	1.20	25.19	1/28/2018, 7
1-HR	1ST	1446.66653	ug/m^3	1	641113.58	4294921.60	24.81	1.20	24.81	1/9/2015, 9
1-HR	1ST	2320.83185	ug/m^3	1	641189.12	4294940.84	25.60	1.20	25.60	1/9/2015, 9
1-HR	1ST	2504.32948	ug/m^3	1	641190.55	4294955.81	25.48	1.20	25.48	1/9/2015, 9
1-HR	1ST	2687.90376	ug/m^3	1	641189.12	4294980.04	25.24	1.20	25.24	2/23/2017, 8
1-HR	1ST	2119.24027	ug/m^3	1	641168.46	4294989.30	25.10	1.20	25.10	1/14/2016, 9
1-HR	1ST	2911.63604	ug/m^3	1	641210.50	4295026.36	24.64	1.20	24.64	12/17/2018, 17
1-HR	1ST	2349.37184	ug/m^3	1	641188.41	4295030.63	24.73	1.20	24.73	2/25/2016, 18
1-HR	1ST	2034.96545	ug/m^3	1	641171.31	4295034.20	24.69	1.20	24.69	1/20/2014, 17
1-HR	1ST	1751.01067	ug/m^3	1	641154.20	4295042.04	24.60	1.20	24.60	2/25/2016, 18
1-HR	1ST	1534.08920	ug/m^3	1	641136.39	4295047.74	24.53	1.20	24.53	2/25/2016, 18

Sensitive Receptor Summary

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AIRTOXIC - Concentration - Source Group: POINT

Averaging Period	Rank	Peak	Units	Receptor ID	X (m)	Y (m)	ZELEV (m)	ZFLAG (m)	ZHILL (m)	Peak Date, Start Hour
1-HR	1ST	1370.25466	ug/m^3	1	641119.29	4295052.01	24.45	1.20	24.45	2/25/2016, 18
1-HR	1ST	1053.12146	ug/m^3	1	641069.40	4295042.04	24.13	1.20	24.13	12/21/2016, 17
1-HR	1ST	949.64422	ug/m^3	1	641045.17	4295034.91	24.00	1.20	24.00	1/21/2016, 17
1-HR	1ST	918.93226	ug/m^3	1	641030.92	4295017.09	24.00	1.20	24.00	1/14/2016, 9
1-HR	1ST	918.10830	ug/m^3	1	641013.82	4295006.40	24.00	1.20	24.00	1/14/2016, 9
1-HR	1ST	846.28574	ug/m^3	1	641005.26	4294991.44	24.00	1.20	24.00	1/14/2016, 9
1-HR	1ST	795.77923	ug/m^3	1	640991.01	4294977.90	24.00	1.20	24.00	2/23/2017, 8
1-HR	1ST	792.51424	ug/m^3	1	640978.18	4294960.80	24.00	1.20	24.00	2/23/2017, 8
1-HR	1ST	723.47141	ug/m^3	1	640971.06	4294941.55	24.00	1.20	24.00	12/25/2017, 8
1-HR	1ST	708.39651	ug/m^3	1	640967.50	4294920.18	24.00	1.20	24.00	1/28/2018, 8
1-HR	1ST	690.99367	ug/m^3	1	640968.21	4294903.79	24.00	1.20	24.00	12/6/2017, 17
1-HR	1ST	723.32715	ug/m^3	1	640974.62	4294883.12	24.00	1.20	24.00	1/9/2015, 9
1-HR	1ST	1961.25299	ug/m^3	1	641153.49	4294992.15	25.05	1.20	25.05	1/14/2016, 9
1-HR	1ST	1769.27261	ug/m^3	1	641134.96	4294997.14	25.01	1.20	25.01	1/14/2016, 9
1-HR	1ST	1571.78577	ug/m^3	1	641117.15	4295002.13	24.88	1.20	24.88	1/14/2016, 9
1-HR	1ST	1383.88785	ug/m^3	1	641097.91	4295005.69	24.60	1.20	24.60	1/14/2016, 9
1-HR	1ST	1247.03450	ug/m^3	1	641077.95	4294996.43	24.34	1.20	24.34	1/14/2016, 9
1-HR	1ST	1053.14555	ug/m^3	1	641059.42	4294986.45	24.08	1.20	24.08	12/13/2017, 18
1-HR	1ST	1090.07477	ug/m^3	1	641049.45	4294971.49	24.00	1.20	24.00	2/23/2017, 8
1-HR	1ST	975.96283	ug/m^3	1	641035.20	4294959.37	24.00	1.20	24.00	2/23/2017, 8
1-HR	1ST	879.55532	ug/m^3	1	641018.09	4294945.83	24.00	1.20	24.00	12/25/2017, 8

Project File: C:\Users\MikeRatte\Documents\Projects\Roseville Hayden Commercial Center\AERMOD\AERMOD.isc

AERMOD View by Lakes Environmental Software

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Sensitive Receptor Summary

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AIRTOXIC - Concentration - Source Group: POINT

Averaging Period	Rank	Peak	Units	Receptor ID	X (m)	Y (m)	ZELEV (m)	ZFLAG (m)	ZHILL (m)	Peak Date, Start Hour
1-HR	1ST	829.26193	ug/m^3	1	641010.97	4294922.31	24.00	1.20	24.00	12/6/2017, 17
1-HR	1ST	845.29790	ug/m^3	1	641015.24	4294899.51	24.00	1.20	24.00	1/9/2015, 9
1-HR	1ST	895.20750	ug/m^3	1	641027.36	4294882.41	24.00	1.20	24.00	1/9/2015, 9
1-HR	1ST	997.54035	ug/m^3	1	641045.88	4294904.50	24.00	1.20	24.00	1/9/2015, 9
1-HR	1ST	1028.89389	ug/m^3	1	641059.42	4294923.74	24.06	1.20	24.06	1/19/2015, 8
1-HR	1ST	1084.17735	ug/m^3	1	641065.84	4294936.57	24.16	1.20	24.16	1/28/2018, 8
1-HR	1ST	1160.13611	ug/m^3	1	641075.82	4294952.96	24.30	1.20	24.30	12/25/2017, 8
1-HR	1ST	1367.14002	ug/m^3	1	641096.48	4294968.63	24.59	1.20	24.59	2/23/2017, 8
1-HR	1ST	1524.55658	ug/m^3	1	641115.72	4294970.06	24.85	1.20	24.85	2/23/2017, 8
1-HR	1ST	1626.98813	ug/m^3	1	641133.54	4294961.51	25.05	1.20	25.05	12/25/2017, 8
1-HR	1ST	1841.57613	ug/m^3	1	641151.35	4294957.23	25.18	1.20	25.18	1/28/2018, 8
1-HR	1ST	2049.87019	ug/m^3	1	641168.46	4294950.11	25.34	1.20	25.34	1/9/2015, 9
1-HR	1ST	1237.26723	ug/m^3	1	641102.90	4294904.50	24.71	1.20	24.71	1/9/2015, 9
1-HR	1ST	1148.95715	ug/m^3	1	641092.92	4294892.38	24.63	1.20	24.63	1/28/2018, 7
1-HR	1ST	1334.89739	ug/m^3	1	641115.01	4294882.41	25.08	1.20	25.08	12/6/2014, 17
1-HR	1ST	1308.17831	ug/m^3	1	641126.41	4294870.29	25.42	1.20	25.42	12/8/2015, 18
1-HR	1ST	1877.27781	ug/m^3	1	641172.73	4294872.43	25.78	1.20	25.78	1/1/2015, 9
1-HR	1ST	2292.57988	ug/m^3	1	641226.89	4294874.57	25.79	1.20	25.79	2/19/2015, 8
1-HR	1ST	1979.79991	ug/m^3	1	641231.88	4294854.61	25.85	1.20	25.85	1/28/2017, 7
1-HR	1ST	1881.22172	ug/m^3	1	641228.32	4294836.09	25.94	1.20	25.94	12/14/2014, 9
1-HR	1ST	1491.86418	ug/m^3	1	641179.86	4294834.66	25.95	1.20	25.95	2/19/2015, 8

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AIRTOXIC - Concentration - Source Group: POINT

Averaging Period	Rank	Peak	Units	Receptor ID	X (m)	Y (m)	ZELEV (m)	ZFLAG (m)	ZHILL (m)	Peak Date, Start Hour
1-HR	1ST	1580.32056	ug/m^3	1	641172.02	4294854.61	25.85	1.20	25.85	1/3/2015, 7
1-HR	1ST	1599.29100	ug/m^3	1	641140.66	4294858.18	25.65	1.20	25.65	1/1/2015, 9
1-HR	1ST	1017.30890	ug/m^3	1	641071.54	4294862.45	24.33	1.20	24.33	12/6/2014, 17
1-HR	1ST	979.89343	ug/m^3	1	641058.00	4294848.91	24.04	1.20	24.04	12/6/2014, 17
1-HR	1ST	897.63032	ug/m^3	1	641039.47	4294836.80	24.00	1.20	24.00	12/6/2014, 17
1-HR	1ST	728.43050	ug/m^3	1	640999.56	4294821.12	24.00	1.20	24.00	12/6/2014, 17
1-HR	1ST	760.60028	ug/m^3	1	641009.54	4294804.73	24.00	1.20	24.00	12/6/2014, 17
1-HR	1ST	895.12412	ug/m^3	1	641043.03	4294767.67	24.00	1.20	24.00	1/1/2015, 9
1-HR	1ST	821.48039	ug/m^3	1	641062.99	4294759.12	24.19	1.20	24.19	12/16/2015, 8
1-HR	1ST	834.45460	ug/m^3	1	641078.67	4294748.43	24.79	1.20	24.79	2/19/2015, 7
1-HR	1ST	816.76069	ug/m^3	1	641093.63	4294738.46	25.41	1.20	25.41	1/18/2014, 7
1-HR	1ST	877.91800	ug/m^3	1	641112.16	4294730.62	26.20	1.20	26.20	2/19/2015, 8
1-HR	1ST	815.90576	ug/m^3	1	641127.84	4294722.06	26.94	1.20	26.94	12/6/2017, 8
1-HR	1ST	825.57173	ug/m^3	1	641149.93	4294714.23	27.14	1.20	27.14	1/28/2017, 7
1-HR	1ST	942.51358	ug/m^3	1	641169.17	4294713.51	27.15	1.20	27.15	12/14/2014, 9
1-HR	1ST	996.91992	ug/m^3	1	641185.56	4294714.94	27.14	1.20	27.14	12/14/2014, 9
1-HR	1ST	859.06670	ug/m^3	1	641206.23	4294714.23	27.15	1.20	27.15	12/14/2014, 9
1-HR	1ST	1103.10722	ug/m^3	1	641236.87	4294744.87	26.83	1.20	26.83	1/15/2015, 7
1-HR	1ST	1162.52897	ug/m^3	1	641232.59	4294760.55	26.66	1.20	26.66	1/15/2015, 7
1-HR	1ST	1241.25197	ug/m^3	1	641231.17	4294780.50	26.44	1.20	26.44	12/14/2014, 9
1-HR	1ST	1774.82351	ug/m^3	1	641230.46	4294817.56	26.04	1.20	26.04	12/14/2014, 9

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AIRTOXIC - Concentration - Source Group: POINT

Averaging Period	Rank	Peak	Units	Receptor ID	X (m)	Y (m)	ZELEV (m)	ZFLAG (m)	ZHILL (m)	Peak Date, Start Hour
1-HR	1ST	1552.80658	ug/m^3	1	641229.74	4294800.45	26.23	1.20	26.23	12/14/2014, 9
1-HR	1ST	1256.89815	ug/m^3	1	641189.84	4294791.19	26.32	1.20	26.32	2/16/2016, 7
1-HR	1ST	1174.23699	ug/m^3	1	641190.55	4294764.82	26.60	1.20	26.60	12/14/2014, 9
1-HR	1ST	1054.92993	ug/m^3	1	641167.03	4294761.26	26.64	1.20	26.64	2/16/2016, 7
1-HR	1ST	1219.88985	ug/m^3	1	641169.17	4294792.61	26.30	1.20	26.30	2/19/2015, 8
1-HR	1ST	1136.87687	ug/m^3	1	641148.50	4294796.18	26.26	1.20	26.26	2/19/2015, 8
1-HR	1ST	1148.44423	ug/m^3	1	641132.83	4294806.87	26.14	1.20	26.14	2/19/2015, 7
1-HR	1ST	972.26434	ug/m^3	1	641127.12	4294773.37	26.40	1.20	26.40	1/18/2014, 7
1-HR	1ST	1029.74250	ug/m^3	1	641144.23	4294762.68	26.62	1.20	26.62	2/19/2015, 8
1-HR	1ST	990.50808	ug/m^3	1	641110.02	4294780.50	25.76	1.20	25.76	2/19/2015, 7
1-HR	1ST	985.96095	ug/m^3	1	641092.21	4294792.61	25.11	1.20	25.11	1/1/2015, 9
1-HR	1ST	1159.40446	ug/m^3	1	641114.30	4294815.42	25.62	1.20	25.62	1/1/2015, 9
1-HR	1ST	1255.76505	ug/m^3	1	641101.47	4294826.82	25.19	1.20	25.19	1/1/2015, 9
1-HR	1ST	1030.35041	ug/m^3	1	641085.08	4294840.36	24.70	1.20	24.70	12/8/2015, 18
1-HR	1ST	916.89181	ug/m^3	1	641056.57	4294814.71	24.00	1.20	24.00	1/1/2015, 9
1-HR	1ST	1091.22670	ug/m^3	1	641075.82	4294804.02	24.56	1.20	24.56	1/1/2015, 9
1-HR	1ST	1913.71944	ug/m^3	1	641269.65	4294836.09	25.86	1.20	25.86	12/21/2018, 9
1-HR	1ST	2156.26516	ug/m^3	1	641319.53	4294845.35	25.76	1.20	25.76	2/25/2015, 8
1-HR	1ST	2050.92499	ug/m^3	1	641353.74	4294848.91	25.73	1.20	25.73	2/2/2018, 7
1-HR	1ST	1406.28186	ug/m^3	1	641370.84	4294797.60	26.28	1.20	26.28	2/23/2014, 7
1-HR	1ST	1407.94582	ug/m^3	1	641320.25	4294788.34	26.37	1.20	26.37	2/25/2015, 8

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AIRTOXIC - Concentration - Source Group: POINT

Averaging Period	Rank	Peak	Units	Receptor ID	X (m)	Y (m)	ZELEV (m)	ZFLAG (m)	ZHILL (m)	Peak Date, Start Hour
1-HR	1ST	1384.60245	ug/m^3	1	641269.65	4294779.79	26.46	1.20	26.46	12/21/2018, 9
1-HR	1ST	1192.86144	ug/m^3	1	641271.79	4294750.57	26.77	1.20	26.77	1/22/2015, 17
1-HR	1ST	1168.57235	ug/m^3	1	641333.79	4294749.86	26.79	1.20	26.79	2/25/2015, 8
1-HR	1ST	1017.98689	ug/m^3	1	641387.95	4294741.31	26.90	1.20	26.90	2/23/2014, 7
1-HR	1ST	928.22276	ug/m^3	1	641374.41	4294711.38	27.22	1.20	27.22	12/18/2016, 8
1-HR	1ST	879.42440	ug/m^3	1	641353.03	4294698.55	27.35	1.20	27.35	12/7/2015, 8
1-HR	1ST	833.99967	ug/m^3	1	641323.10	4294687.86	27.46	1.20	27.46	12/31/2015, 8
1-HR	1ST	918.84056	ug/m^3	1	641271.08	4294699.97	27.32	1.20	27.32	1/22/2015, 17
1-HR	1ST	816.01135	ug/m^3	1	641276.78	4294670.04	27.64	1.20	27.64	1/12/2018, 7
1-HR	1ST	2628.06135	ug/m^3	1	641405.76	4294944.41	24.70	1.20	24.70	12/6/2017, 7
1-HR	1ST	2105.51998	ug/m^3	1	641430.71	4294945.83	24.69	1.20	24.69	2/15/2015, 8
1-HR	1ST	1794.30793	ug/m^3	1	641449.23	4294941.55	24.74	1.20	24.74	2/15/2015, 8
1-HR	1ST	1509.70480	ug/m^3	1	641470.61	4294942.98	24.73	1.20	24.73	1/16/2017, 9
1-HR	1ST	1717.26063	ug/m^3	1	641461.35	4294992.86	24.19	1.20	24.19	1/20/2015, 7
1-HR	1ST	1462.76289	ug/m^3	1	641481.30	4294991.44	24.21	1.20	24.21	1/20/2015, 7
1-HR	1ST	1278.42844	ug/m^3	1	641499.83	4294990.73	24.22	1.20	24.22	1/20/2015, 7
1-HR	1ST	1100.94642	ug/m^3	1	641519.78	4294986.45	24.27	1.20	24.27	1/29/2018, 8
1-HR	1ST	981.53952	ug/m^3	1	641540.45	4294987.88	24.26	1.20	24.26	1/20/2015, 7
1-HR	1ST	860.22833	ug/m^3	1	641561.83	4294981.46	24.33	1.20	24.33	1/29/2018, 8
1-HR	1ST	767.26404	ug/m^3	1	641583.92	4294978.61	24.25	1.20	24.25	2/17/2014, 7
1-HR	1ST	687.66847	ug/m^3	1	641608.86	4294973.62	24.14	1.20	24.14	2/17/2014, 7

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AIRTOXIC - Concentration - Source Group: POINT

Averaging Period	Rank	Peak	Units	Receptor ID	X (m)	Y (m)	ZELEV (m)	ZFLAG (m)	ZHILL (m)	Peak Date, Start Hour
1-HR	1ST	641.75765	ug/m^3	1	641617.41	4294949.39	24.15	1.20	24.15	1/26/2014, 8
1-HR	1ST	653.23270	ug/m^3	1	641616.70	4294926.59	24.22	1.20	24.22	1/16/2017, 9
1-HR	1ST	671.24803	ug/m^3	1	641618.13	4294907.35	24.34	1.20	24.34	1/16/2017, 9
1-HR	1ST	646.66074	ug/m^3	1	641615.99	4294886.68	24.53	1.20	24.53	2/15/2015, 8
1-HR	1ST	615.26309	ug/m^3	1	641617.41	4294870.29	24.66	1.20	24.66	2/15/2015, 8
1-HR	1ST	592.76319	ug/m^3	1	641613.14	4294840.36	24.91	1.20	24.91	12/24/2016, 8
1-HR	1ST	851.17084	ug/m^3	1	641564.68	4294935.14	24.80	1.20	24.80	1/16/2017, 9
1-HR	1ST	828.41152	ug/m^3	1	641564.68	4294914.47	24.96	1.20	24.96	1/16/2017, 9
1-HR	1ST	799.97065	ug/m^3	1	641566.10	4294893.81	24.96	1.20	24.96	2/15/2015, 8
1-HR	1ST	739.99658	ug/m^3	1	641568.96	4294875.28	24.95	1.20	24.95	12/24/2016, 8
1-HR	1ST	779.54845	ug/m^3	1	641568.24	4294854.61	24.98	1.20	24.98	12/6/2017, 7
1-HR	1ST	750.32304	ug/m^3	1	641562.54	4294834.66	25.01	1.20	25.01	12/6/2017, 7
1-HR	1ST	933.52946	ug/m^3	1	641526.91	4294832.52	25.47	1.20	25.47	12/7/2018, 17
1-HR	1ST	949.69538	ug/m^3	1	641521.92	4294853.19	25.40	1.20	25.40	12/27/2014, 18
1-HR	1ST	1042.13135	ug/m^3	1	641519.07	4294876.71	25.27	1.20	25.27	12/6/2017, 7
1-HR	1ST	981.44538	ug/m^3	1	641519.78	4294895.95	25.15	1.20	25.15	12/24/2016, 8
1-HR	1ST	1085.23645	ug/m^3	1	641515.51	4294916.61	25.02	1.20	25.02	2/15/2015, 8
1-HR	1ST	1157.11735	ug/m^3	1	641514.08	4294937.99	24.79	1.20	24.79	1/16/2017, 9
1-HR	1ST	1477.30752	ug/m^3	1	641469.19	4294903.79	25.15	1.20	25.15	12/6/2017, 7
1-HR	1ST	1589.89989	ug/m^3	1	641451.37	4294900.22	25.19	1.20	25.19	2/24/2014, 8
1-HR	1ST	1906.26506	ug/m^3	1	641429.99	4294899.51	25.19	1.20	25.19	12/7/2018, 17

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AIRTOXIC - Concentration - Source Group: POINT

Averaging Period	Rank	Peak	Units	Receptor ID	X (m)	Y (m)	ZELEV (m)	ZFLAG (m)	ZHILL (m)	Peak Date, Start Hour
1-HR	1ST	2329.62138	ug/m^3	1	641405.76	4294895.95	25.23	1.20	25.23	1/12/2015, 9
1-HR	1ST	1557.23383	ug/m^3	1	641418.59	4294841.07	25.82	1.20	25.82	2/17/2018, 8
1-HR	1ST	1315.87817	ug/m^3	1	641441.39	4294836.09	25.88	1.20	25.88	1/29/2017, 18
1-HR	1ST	1296.12905	ug/m^3	1	641476.31	4294852.48	25.71	1.20	25.71	1/12/2015, 9
1-HR	1ST	1243.72763	ug/m^3	1	641474.89	4294831.10	25.94	1.20	25.94	1/12/2015, 9
1-HR	1ST	981.53140	ug/m^3	1	641464.20	4294774.09	26.21	1.20	26.21	2/17/2018, 8
1-HR	1ST	897.07228	ug/m^3	1	641487.72	4294781.21	26.03	1.20	26.03	1/29/2017, 18
1-HR	1ST	875.31594	ug/m^3	1	641507.67	4294784.78	25.88	1.20	25.88	1/10/2015, 7
1-HR	1ST	910.26099	ug/m^3	1	641530.47	4294788.34	25.69	1.20	25.69	1/12/2015, 9
1-HR	1ST	820.54731	ug/m^3	1	641549.00	4294787.63	25.54	1.20	25.54	1/12/2015, 9
1-HR	1ST	712.61760	ug/m^3	1	641571.09	4294789.76	25.37	1.20	25.37	12/7/2018, 17
1-HR	1ST	728.22461	ug/m^3	1	641571.09	4294749.14	25.77	1.20	25.77	1/12/2015, 9
1-HR	1ST	735.21301	ug/m^3	1	641547.58	4294751.28	25.86	1.20	25.86	1/12/2015, 9
1-HR	1ST	712.79800	ug/m^3	1	641526.20	4294748.43	25.93	1.20	25.93	1/15/2017, 18
1-HR	1ST	800.23767	ug/m^3	1	641499.12	4294742.02	25.99	1.20	25.99	2/17/2018, 8
1-HR	1ST	799.87810	ug/m^3	1	641479.16	4294732.04	26.20	1.20	26.20	1/17/2014, 8
1-HR	1ST	837.72705	ug/m^3	1	641459.21	4294727.77	26.52	1.20	26.52	2/11/2016, 8
1-HR	1ST	661.55195	ug/m^3	1	641487.72	4294665.77	26.82	1.20	26.82	2/11/2016, 8
1-HR	1ST	634.84631	ug/m^3	1	641506.96	4294681.44	26.57	1.20	26.57	1/17/2014, 8
1-HR	1ST	660.91051	ug/m^3	1	641526.20	4294698.55	26.38	1.20	26.38	2/17/2018, 8
1-HR	1ST	606.75931	ug/m^3	1	641547.58	4294702.82	26.34	1.20	26.34	1/29/2017, 18

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AIRTOXIC - Concentration - Source Group: POINT

Averaging Period	Rank	Peak	Units	Receptor ID	X (m)	Y (m)	ZELEV (m)	ZFLAG (m)	ZHILL (m)	Peak Date, Start Hour
1-HR	1ST	563.34312	ug/m^3	1	641567.53	4294700.69	26.34	1.20	26.34	1/15/2017, 18
1-HR	1ST	518.74998	ug/m^3	1	641571.09	4294652.94	26.82	1.20	26.82	2/17/2018, 8
1-HR	1ST	545.26637	ug/m^3	1	641548.29	4294651.51	26.90	1.20	26.90	2/17/2018, 8
1-HR	1ST	539.35610	ug/m^3	1	641534.04	4294641.54	27.00	1.20	27.00	1/17/2014, 8
1-HR	1ST	585.34116	ug/m^3	1	641504.82	4294635.84	27.06	1.20	27.06	2/11/2016, 8
1-HR	1ST	607.17843	ug/m^3	1	641610.29	4294789.05	25.15	1.20	25.15	12/27/2014, 18
1-HR	1ST	577.46736	ug/m^3	1	641610.29	4294749.86	25.31	1.20	25.31	12/13/2017, 7
1-HR	1ST	573.45889	ug/m^3	1	641611.00	4294697.84	25.78	1.20	25.78	1/12/2015, 9
1-HR	1ST	484.97446	ug/m^3	1	641618.13	4294666.48	26.03	1.20	26.03	1/10/2015, 7
1-HR	1ST	448.89082	ug/m^3	1	641615.99	4294645.81	26.29	1.20	26.29	1/15/2017, 18
1-HR	1ST	464.69263	ug/m^3	1	641565.39	4294603.06	27.42	1.20	27.42	1/17/2014, 8
1-HR	1ST	431.12956	ug/m^3	1	641618.13	4294620.16	26.72	1.20	26.72	1/29/2017, 18
1-HR	1ST	982.70193	ug/m^3		641050.00	4295060.00	24.00	1.20	24.00	1/20/2014, 17
1-HR	1ST	1059.74236	ug/m^3		641070.00	4295060.00	24.09	1.20	24.09	1/20/2014, 17
1-HR	1ST	1012.91614	ug/m^3		641550.00	4295060.00	24.00	1.20	24.00	2/9/2018, 8
1-HR	1ST	918.86231	ug/m^3		641570.00	4295060.00	24.00	1.20	24.00	12/27/2015, 7
1-HR	1ST	854.06017	ug/m^3		641590.00	4295060.00	24.00	1.20	24.00	1/15/2014, 17
1-HR	1ST	797.00823	ug/m^3		641610.00	4295060.00	24.00	1.20	24.00	1/15/2014, 17
1-HR	1ST	2769.55429	ug/m^3		641270.00	4295080.00	24.00	1.20	24.00	2/14/2015, 7
1-HR	1ST	3120.81459	ug/m^3		641290.00	4295080.00	24.00	1.20	24.00	12/30/2016, 8
1-HR	1ST	3213.10911	ug/m^3		641310.00	4295080.00	24.00	1.20	24.00	2/11/2014, 7

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Sensitive Receptor Summary

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AIRTOXIC - Concentration - Source Group: POINT

Averaging Period	Rank	Peak	Units	Receptor ID	X (m)	Y (m)	ZELEV (m)	ZFLAG (m)	ZHILL (m)	Peak Date, Start Hour
1-HR	1ST	2957.70898	ug/m^3		641330.00	4295080.00	24.00	1.20	24.00	2/27/2016, 7
1-HR	1ST	2907.93608	ug/m^3		641350.00	4295080.00	24.00	1.20	24.00	1/5/2015, 17
1-HR	1ST	2632.93067	ug/m^3		641370.00	4295080.00	24.00	1.20	24.00	1/11/2018, 7
1-HR	1ST	1906.13676	ug/m^3		641410.00	4295080.00	24.00	1.20	24.00	2/27/2016, 8
1-HR	1ST	1892.64820	ug/m^3		641430.00	4295080.00	24.00	1.20	24.00	1/21/2015, 9
1-HR	1ST	1652.11462	ug/m^3		641450.00	4295080.00	24.00	1.20	24.00	1/21/2015, 9
1-HR	1ST	1534.38629	ug/m^3		641470.00	4295080.00	24.00	1.20	24.00	1/21/2015, 7
1-HR	1ST	1333.39939	ug/m^3		641490.00	4295080.00	24.00	1.20	24.00	12/25/2017, 7
1-HR	1ST	1219.05250	ug/m^3		641510.00	4295080.00	24.00	1.20	24.00	12/25/2017, 7
1-HR	1ST	1115.19848	ug/m^3		641530.00	4295080.00	24.00	1.20	24.00	12/8/2014, 17
1-HR	1ST	999.17189	ug/m^3		641550.00	4295080.00	24.00	1.20	24.00	12/14/2014, 8
1-HR	1ST	931.08739	ug/m^3		641570.00	4295080.00	24.00	1.20	24.00	2/9/2018, 8
1-HR	1ST	850.76782	ug/m^3		641590.00	4295080.00	24.00	1.20	24.00	2/9/2018, 8
1-HR	1ST	1626.61169	ug/m^3		641190.00	4295100.00	24.00	1.20	24.00	1/15/2018, 8
1-HR	1ST	1836.63857	ug/m^3		641210.00	4295100.00	24.00	1.20	24.00	2/13/2015, 7
1-HR	1ST	2048.66206	ug/m^3		641230.00	4295100.00	24.00	1.20	24.00	1/27/2014, 7
1-HR	1ST	2161.45759	ug/m^3		641250.00	4295100.00	24.00	1.20	24.00	12/19/2017, 7
1-HR	1ST	2313.20957	ug/m^3		641270.00	4295100.00	24.00	1.20	24.00	11/21/2016, 17
1-HR	1ST	2406.01046	ug/m^3		641290.00	4295100.00	24.00	1.20	24.00	1/1/2014, 7
1-HR	1ST	2512.88440	ug/m^3		641310.00	4295100.00	24.00	1.20	24.00	2/11/2014, 7
1-HR	1ST	2451.45773	ug/m^3		641330.00	4295100.00	24.00	1.20	24.00	12/6/2016, 8

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Sensitive Receptor Summary

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AIRTOXIC - Concentration - Source Group: POINT

Averaging Period	Rank	Peak	Units	Receptor ID	X (m)	Y (m)	ZELEV (m)	ZFLAG (m)	ZHILL (m)	Peak Date, Start Hour
1-HR	1ST	2355.25975	ug/m^3		641350.00	4295100.00	24.00	1.20	24.00	10/28/2014, 17
1-HR	1ST	2178.48118	ug/m^3		641370.00	4295100.00	24.00	1.20	24.00	1/11/2018, 7
1-HR	1ST	1764.76450	ug/m^3		641410.00	4295100.00	24.00	1.20	24.00	2/2/2015, 7
1-HR	1ST	1435.07817	ug/m^3		641430.00	4295100.00	24.00	1.20	24.00	2/27/2016, 8
1-HR	1ST	1453.09530	ug/m^3		641450.00	4295100.00	24.00	1.20	24.00	1/21/2015, 9
1-HR	1ST	1388.53719	ug/m^3		641470.00	4295100.00	24.00	1.20	24.00	1/21/2015, 9
1-HR	1ST	1257.87234	ug/m^3		641490.00	4295100.00	24.00	1.20	24.00	1/21/2015, 7
1-HR	1ST	1154.82683	ug/m^3		641510.00	4295100.00	24.00	1.20	24.00	1/21/2015, 7
1-HR	1ST	1020.85007	ug/m^3		641530.00	4295100.00	24.00	1.20	24.00	12/25/2017, 7
1-HR	1ST	958.46971	ug/m^3		641550.00	4295100.00	24.00	1.20	24.00	12/25/2017, 7
1-HR	1ST	890.20335	ug/m^3		641570.00	4295100.00	24.00	1.20	24.00	12/8/2014, 17
1-HR	1ST	811.17064	ug/m^3		641590.00	4295100.00	24.00	1.20	24.00	12/8/2014, 17
1-HR	1ST	1055.46249	ug/m^3		641130.00	4295120.00	24.00	1.20	24.00	2/1/2018, 8
1-HR	1ST	1176.32928	ug/m^3		641150.00	4295120.00	24.00	1.20	24.00	2/13/2015, 8
1-HR	1ST	1312.91053	ug/m^3		641170.00	4295120.00	24.00	1.20	24.00	1/15/2018, 8
1-HR	1ST	1460.91028	ug/m^3		641190.00	4295120.00	24.00	1.20	24.00	2/13/2015, 7
1-HR	1ST	1583.66710	ug/m^3		641210.00	4295120.00	24.00	1.20	24.00	1/26/2014, 17
1-HR	1ST	1750.76419	ug/m^3		641230.00	4295120.00	24.00	1.20	24.00	12/19/2017, 7
1-HR	1ST	1713.73344	ug/m^3		641250.00	4295120.00	24.00	1.20	24.00	2/14/2015, 7
1-HR	1ST	1910.68264	ug/m^3		641270.00	4295120.00	24.00	1.20	24.00	9/29/2014, 7
1-HR	1ST	1984.90636	ug/m^3		641290.00	4295120.00	24.00	1.20	24.00	1/1/2014, 7

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Sensitive Receptor Summary

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AIRTOXIC - Concentration - Source Group: POINT

Averaging Period	Rank	Peak	Units	Receptor ID	X (m)	Y (m)	ZELEV (m)	ZFLAG (m)	ZHILL (m)	Peak Date, Start Hour
1-HR	1ST	2032.03704	ug/m^3		641310.00	4295120.00	24.00	1.20	24.00	2/11/2014, 7
1-HR	1ST	2015.61565	ug/m^3		641330.00	4295120.00	24.00	1.20	24.00	12/6/2016, 8
1-HR	1ST	1885.47569	ug/m^3		641350.00	4295120.00	24.00	1.20	24.00	10/28/2014, 17
1-HR	1ST	1806.18185	ug/m^3		641370.00	4295120.00	24.00	1.20	24.00	1/5/2015, 17
1-HR	1ST	1604.91728	ug/m^3		641410.00	4295120.00	24.00	1.20	24.00	2/2/2015, 7
1-HR	1ST	1392.50963	ug/m^3		641430.00	4295120.00	24.00	1.20	24.00	1/17/2015, 8
1-HR	1ST	1121.64935	ug/m^3		641450.00	4295120.00	24.00	1.20	24.00	2/27/2016, 8
1-HR	1ST	1134.53620	ug/m^3		641470.00	4295120.00	24.00	1.20	24.00	1/21/2015, 9
1-HR	1ST	1154.39599	ug/m^3		641490.00	4295120.00	24.00	1.20	24.00	1/21/2015, 9
1-HR	1ST	1043.27777	ug/m^3		641510.00	4295120.00	24.00	1.20	24.00	1/21/2015, 9
1-HR	1ST	993.33282	ug/m^3		641530.00	4295120.00	24.00	1.20	24.00	1/21/2015, 7
1-HR	1ST	909.16939	ug/m^3		641550.00	4295120.00	24.00	1.20	24.00	1/21/2015, 7
1-HR	1ST	814.09270	ug/m^3		641570.00	4295120.00	24.00	1.20	24.00	12/25/2017, 7
1-HR	1ST	778.21248	ug/m^3		641590.00	4295120.00	24.00	1.20	24.00	12/25/2017, 7
1-HR	1ST	876.12647	ug/m^3		641090.00	4295140.00	24.00	1.20	24.00	1/30/2015, 9
1-HR	1ST	896.36206	ug/m^3		641110.00	4295140.00	24.00	1.20	24.00	12/21/2016, 7
1-HR	1ST	994.85353	ug/m^3		641130.00	4295140.00	24.00	1.20	24.00	2/13/2015, 8
1-HR	1ST	1095.43436	ug/m^3		641150.00	4295140.00	24.00	1.20	24.00	1/3/2015, 17
1-HR	1ST	1196.99162	ug/m^3		641170.00	4295140.00	24.00	1.20	24.00	2/13/2015, 7
1-HR	1ST	1320.78468	ug/m^3		641190.00	4295140.00	24.00	1.20	24.00	1/26/2014, 17
1-HR	1ST	1418.45705	ug/m^3		641210.00	4295140.00	24.00	1.20	24.00	12/19/2017, 9

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AIRTOXIC - Concentration - Source Group: POINT

Averaging Period	Rank	Peak	Units	Receptor ID	X (m)	Y (m)	ZELEV (m)	ZFLAG (m)	ZHILL (m)	Peak Date, Start Hour
1-HR	1ST	1409.15432	ug/m^3		641230.00	4295140.00	24.00	1.20	24.00	12/19/2017, 7
1-HR	1ST	1486.53024	ug/m^3		641250.00	4295140.00	24.00	1.20	24.00	11/21/2016, 17
1-HR	1ST	1606.09561	ug/m^3		641270.00	4295140.00	24.00	1.20	24.00	12/30/2016, 8
1-HR	1ST	1640.32247	ug/m^3		641290.00	4295140.00	24.00	1.20	24.00	1/1/2014, 7
1-HR	1ST	1687.02142	ug/m^3		641310.00	4295140.00	24.00	1.20	24.00	2/11/2014, 7
1-HR	1ST	1661.68140	ug/m^3		641330.00	4295140.00	24.00	1.20	24.00	12/6/2016, 8
1-HR	1ST	1554.26835	ug/m^3		641350.00	4295140.00	24.00	1.20	24.00	2/27/2016, 7
1-HR	1ST	1567.83782	ug/m^3		641370.00	4295140.00	24.00	1.20	24.00	2/17/2018, 7
1-HR	1ST	1381.32059	ug/m^3		641410.00	4295140.00	24.00	1.20	24.00	1/11/2018, 7
1-HR	1ST	1327.82969	ug/m^3		641430.00	4295140.00	24.00	1.20	24.00	2/2/2015, 7
1-HR	1ST	1137.04795	ug/m^3		641450.00	4295140.00	24.00	1.20	24.00	1/17/2015, 8
1-HR	1ST	902.71484	ug/m^3		641470.00	4295140.00	24.00	1.20	24.00	2/27/2016, 8
1-HR	1ST	914.73171	ug/m^3		641490.00	4295140.00	24.00	1.20	24.00	2/27/2016, 8
1-HR	1ST	959.50743	ug/m^3		641510.00	4295140.00	24.00	1.20	24.00	1/21/2015, 9
1-HR	1ST	916.49289	ug/m^3		641530.00	4295140.00	24.00	1.20	24.00	1/21/2015, 9
1-HR	1ST	829.89325	ug/m^3		641550.00	4295140.00	24.00	1.20	24.00	1/21/2015, 7
1-HR	1ST	807.97102	ug/m^3		641570.00	4295140.00	24.00	1.20	24.00	1/21/2015, 7
1-HR	1ST	725.14667	ug/m^3		641070.00	4295160.00	24.00	1.20	24.00	2/1/2018, 8
1-HR	1ST	780.69242	ug/m^3		641090.00	4295160.00	24.00	1.20	24.00	12/21/2016, 7
1-HR	1ST	860.00970	ug/m^3		641110.00	4295160.00	24.00	1.20	24.00	1/15/2018, 8
1-HR	1ST	933.88801	ug/m^3		641130.00	4295160.00	24.00	1.20	24.00	1/3/2015, 17

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Sensitive Receptor Summary

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AIRTOXIC - Concentration - Source Group: POINT

Averaging Period	Rank	Peak	Units	Receptor ID	X (m)	Y (m)	ZELEV (m)	ZFLAG (m)	ZHILL (m)	Peak Date, Start Hour
1-HR	1ST	1003.68133	ug/m^3		641150.00	4295160.00	24.00	1.20	24.00	2/13/2015, 7
1-HR	1ST	1116.22480	ug/m^3		641170.00	4295160.00	24.00	1.20	24.00	1/26/2014, 17
1-HR	1ST	1188.59783	ug/m^3		641190.00	4295160.00	24.00	1.20	24.00	1/27/2014, 7
1-HR	1ST	1244.67135	ug/m^3		641210.00	4295160.00	24.00	1.20	24.00	12/19/2017, 7
1-HR	1ST	1193.30220	ug/m^3		641230.00	4295160.00	24.00	1.20	24.00	11/21/2016, 18
1-HR	1ST	1326.78371	ug/m^3		641250.00	4295160.00	24.00	1.20	24.00	9/29/2014, 7
1-HR	1ST	1387.08330	ug/m^3		641270.00	4295160.00	24.00	1.20	24.00	12/30/2016, 8
1-HR	1ST	1386.09513	ug/m^3		641290.00	4295160.00	24.00	1.20	24.00	1/13/2014, 9
1-HR	1ST	1430.19019	ug/m^3		641310.00	4295160.00	24.00	1.20	24.00	2/11/2014, 7
1-HR	1ST	1431.06437	ug/m^3		641330.00	4295160.00	24.00	1.20	24.00	2/14/2018, 8
1-HR	1ST	1304.45814	ug/m^3		641350.00	4295160.00	24.00	1.20	24.00	2/27/2016, 7
1-HR	1ST	1342.50502	ug/m^3		641370.00	4295160.00	24.00	1.20	24.00	10/28/2014, 17
1-HR	1ST	1250.98210	ug/m^3		641410.00	4295160.00	24.00	1.20	24.00	1/11/2018, 7
1-HR	1ST	1144.52264	ug/m^3		641430.00	4295160.00	24.00	1.20	24.00	12/19/2017, 8
1-HR	1ST	1114.07228	ug/m^3		641450.00	4295160.00	24.00	1.20	24.00	2/2/2015, 7
1-HR	1ST	950.65061	ug/m^3		641470.00	4295160.00	24.00	1.20	24.00	1/17/2015, 8
1-HR	1ST	743.57730	ug/m^3		641490.00	4295160.00	24.00	1.20	24.00	2/27/2016, 8
1-HR	1ST	776.14562	ug/m^3		641510.00	4295160.00	24.00	1.20	24.00	2/27/2016, 8
1-HR	1ST	801.02921	ug/m^3		641530.00	4295160.00	24.00	1.20	24.00	1/21/2015, 9
1-HR	1ST	798.44038	ug/m^3		641550.00	4295160.00	24.00	1.20	24.00	1/21/2015, 9
1-HR	1ST	736.63796	ug/m^3		641570.00	4295160.00	24.00	1.20	24.00	1/21/2015, 9

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Sensitive Receptor Summary

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AIRTOXIC - Concentration - Source Group: POINT

Averaging Period	Rank	Peak	Units	Receptor ID	X (m)	Y (m)	ZELEV (m)	ZFLAG (m)	ZHILL (m)	Peak Date, Start Hour
1-HR	1ST	755.91830	ug/m^3		641090.00	4295180.00	24.00	1.20	24.00	1/15/2018, 8
1-HR	1ST	808.56258	ug/m^3		641110.00	4295180.00	24.00	1.20	24.00	1/3/2015, 17
1-HR	1ST	857.24046	ug/m^3		641130.00	4295180.00	24.00	1.20	24.00	2/13/2015, 7
1-HR	1ST	955.77474	ug/m^3		641150.00	4295180.00	24.00	1.20	24.00	1/26/2014, 17
1-HR	1ST	1001.21769	ug/m^3		641170.00	4295180.00	24.00	1.20	24.00	1/27/2014, 7
1-HR	1ST	1050.20596	ug/m^3		641190.00	4295180.00	24.00	1.20	24.00	12/19/2017, 7
1-HR	1ST	1011.96561	ug/m^3		641210.00	4295180.00	24.00	1.20	24.00	1/29/2015, 18
1-HR	1ST	1075.73864	ug/m^3		641230.00	4295180.00	24.00	1.20	24.00	2/21/2015, 7
1-HR	1ST	1156.35064	ug/m^3		641250.00	4295180.00	24.00	1.20	24.00	9/29/2014, 7
1-HR	1ST	1180.40853	ug/m^3		641270.00	4295180.00	24.00	1.20	24.00	12/30/2016, 8
1-HR	1ST	1194.50140	ug/m^3		641290.00	4295180.00	24.00	1.20	24.00	12/24/2016, 7
1-HR	1ST	1233.11360	ug/m^3		641310.00	4295180.00	24.00	1.20	24.00	2/11/2014, 7
1-HR	1ST	1251.42040	ug/m^3		641330.00	4295180.00	24.00	1.20	24.00	2/14/2018, 8
1-HR	1ST	1133.94119	ug/m^3		641350.00	4295180.00	24.00	1.20	24.00	12/6/2016, 8
1-HR	1ST	1141.00443	ug/m^3		641370.00	4295180.00	24.00	1.20	24.00	10/28/2014, 17
1-HR	1ST	1024.57939	ug/m^3		641410.00	4295180.00	24.00	1.20	24.00	1/11/2018, 7
1-HR	1ST	1057.97709	ug/m^3		641430.00	4295180.00	24.00	1.20	24.00	1/11/2018, 7
1-HR	1ST	965.13209	ug/m^3		641450.00	4295180.00	24.00	1.20	24.00	12/19/2017, 8
1-HR	1ST	947.60219	ug/m^3		641470.00	4295180.00	24.00	1.20	24.00	2/2/2015, 7
1-HR	1ST	809.91809	ug/m^3		641490.00	4295180.00	24.00	1.20	24.00	1/17/2015, 8
1-HR	1ST	624.08560	ug/m^3		641510.00	4295180.00	24.00	1.20	24.00	2/27/2016, 8

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Sensitive Receptor Summary

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AIRTOXIC - Concentration - Source Group: POINT

Averaging Period	Rank	Peak	Units	Receptor ID	X (m)	Y (m)	ZELEV (m)	ZFLAG (m)	ZHILL (m)	Peak Date, Start Hour
1-HR	1ST	665.78376	ug/m^3		641530.00	4295180.00	24.00	1.20	24.00	2/27/2016, 8
1-HR	1ST	672.97004	ug/m^3		641550.00	4295180.00	24.00	1.20	24.00	1/21/2015, 9
1-HR	1ST	709.08148	ug/m^3		641090.00	4295200.00	24.00	1.20	24.00	1/3/2015, 17
1-HR	1ST	743.22167	ug/m^3		641110.00	4295200.00	24.00	1.20	24.00	2/13/2015, 7
1-HR	1ST	828.22299	ug/m^3		641130.00	4295200.00	24.00	1.20	24.00	1/26/2014, 17
1-HR	1ST	847.57828	ug/m^3		641150.00	4295200.00	24.00	1.20	24.00	1/27/2014, 7
1-HR	1ST	904.91882	ug/m^3		641170.00	4295200.00	24.00	1.20	24.00	12/19/2017, 9
1-HR	1ST	929.35871	ug/m^3		641190.00	4295200.00	24.00	1.20	24.00	12/19/2017, 7
1-HR	1ST	894.75470	ug/m^3		641210.00	4295200.00	24.00	1.20	24.00	11/21/2016, 18
1-HR	1ST	975.65129	ug/m^3		641230.00	4295200.00	24.00	1.20	24.00	11/21/2016, 17
1-HR	1ST	1001.16907	ug/m^3		641250.00	4295200.00	24.00	1.20	24.00	12/14/2014, 7
1-HR	1ST	1013.09581	ug/m^3		641270.00	4295200.00	24.00	1.20	24.00	1/1/2014, 7
1-HR	1ST	1059.42779	ug/m^3		641290.00	4295200.00	24.00	1.20	24.00	12/24/2016, 7
1-HR	1ST	1078.04061	ug/m^3		641310.00	4295200.00	24.00	1.20	24.00	2/11/2014, 7
1-HR	1ST	1102.02923	ug/m^3		641330.00	4295200.00	24.00	1.20	24.00	2/14/2018, 8
1-HR	1ST	1034.10476	ug/m^3		641350.00	4295200.00	24.00	1.20	24.00	12/6/2016, 8
1-HR	1ST	989.73244	ug/m^3		641370.00	4295200.00	24.00	1.20	24.00	1/18/2014, 8
1-HR	1ST	937.58539	ug/m^3		641410.00	4295200.00	24.00	1.20	24.00	1/5/2015, 17
1-HR	1ST	937.89761	ug/m^3		641430.00	4295200.00	24.00	1.20	24.00	1/11/2018, 7
1-HR	1ST	883.34720	ug/m^3		641450.00	4295200.00	24.00	1.20	24.00	1/11/2018, 7
1-HR	1ST	838.81071	ug/m^3		641470.00	4295200.00	24.00	1.20	24.00	2/2/2015, 7

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Sensitive Receptor Summary

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AIRTOXIC - Concentration - Source Group: POINT

Averaging Period	Rank	Peak	Units	Receptor ID	X (m)	Y (m)	ZELEV (m)	ZFLAG (m)	ZHILL (m)	Peak Date, Start Hour
1-HR	1ST	816.08129	ug/m^3		641490.00	4295200.00	24.00	1.20	24.00	2/2/2015, 7
1-HR	1ST	700.66233	ug/m^3		641510.00	4295200.00	24.00	1.20	24.00	1/17/2015, 8
1-HR	1ST	544.02880	ug/m^3		641530.00	4295200.00	24.00	1.20	24.00	1/17/2015, 8
1-HR	1ST	725.35131	ug/m^3		641110.00	4295220.00	24.00	1.20	24.00	1/26/2014, 17
1-HR	1ST	728.62050	ug/m^3		641130.00	4295220.00	24.00	1.20	24.00	1/26/2014, 17
1-HR	1ST	796.82309	ug/m^3		641150.00	4295220.00	24.00	1.20	24.00	1/27/2014, 7
1-HR	1ST	827.55585	ug/m^3		641170.00	4295220.00	24.00	1.20	24.00	12/19/2017, 7
1-HR	1ST	780.52301	ug/m^3		641190.00	4295220.00	24.00	1.20	24.00	1/29/2015, 18
1-HR	1ST	822.81762	ug/m^3		641210.00	4295220.00	24.00	1.20	24.00	2/21/2015, 7
1-HR	1ST	888.21319	ug/m^3		641230.00	4295220.00	24.00	1.20	24.00	9/29/2014, 7
1-HR	1ST	914.23010	ug/m^3		641250.00	4295220.00	24.00	1.20	24.00	12/30/2016, 8
1-HR	1ST	918.15002	ug/m^3		641270.00	4295220.00	24.00	1.20	24.00	1/1/2014, 7
1-HR	1ST	945.85696	ug/m^3		641290.00	4295220.00	24.00	1.20	24.00	12/24/2016, 7
1-HR	1ST	953.42716	ug/m^3		641310.00	4295220.00	24.00	1.20	24.00	2/11/2014, 7
1-HR	1ST	977.31991	ug/m^3		641330.00	4295220.00	24.00	1.20	24.00	2/14/2018, 8
1-HR	1ST	935.87693	ug/m^3		641350.00	4295220.00	24.00	1.20	24.00	12/6/2016, 8
1-HR	1ST	874.75838	ug/m^3		641370.00	4295220.00	24.00	1.20	24.00	2/27/2016, 7
1-HR	1ST	863.88445	ug/m^3		641410.00	4295220.00	24.00	1.20	24.00	1/5/2015, 17
1-HR	1ST	777.70470	ug/m^3		641430.00	4295220.00	24.00	1.20	24.00	1/11/2015, 17
1-HR	1ST	832.27227	ug/m^3		641450.00	4295220.00	24.00	1.20	24.00	1/11/2018, 7
1-HR	1ST	765.79652	ug/m^3		641470.00	4295220.00	24.00	1.20	24.00	12/19/2017, 8

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AIRTOXIC - Concentration - Source Group: POINT

Averaging Period	Rank	Peak	Units	Receptor ID	X (m)	Y (m)	ZELEV (m)	ZFLAG (m)	ZHILL (m)	Peak Date, Start Hour
1-HR	1ST	747.92347	ug/m^3		641490.00	4295220.00	24.00	1.20	24.00	2/2/2015, 7
1-HR	1ST	710.59198	ug/m^3		641510.00	4295220.00	24.00	1.20	24.00	2/2/2015, 7
1-HR	1ST	719.57669	ug/m^3		641150.00	4295240.00	24.00	1.20	24.00	12/19/2017, 7
1-HR	1ST	721.55188	ug/m^3		641170.00	4295240.00	24.00	1.20	24.00	12/19/2017, 7
1-HR	1ST	704.00889	ug/m^3		641190.00	4295240.00	24.00	1.20	24.00	11/21/2016, 18
1-HR	1ST	747.57571	ug/m^3		641210.00	4295240.00	24.00	1.20	24.00	11/21/2016, 17
1-HR	1ST	797.68278	ug/m^3		641230.00	4295240.00	24.00	1.20	24.00	9/29/2014, 7
1-HR	1ST	826.12470	ug/m^3		641250.00	4295240.00	24.00	1.20	24.00	12/30/2016, 8
1-HR	1ST	829.06384	ug/m^3		641270.00	4295240.00	24.00	1.20	24.00	1/1/2014, 7
1-HR	1ST	849.81036	ug/m^3		641290.00	4295240.00	24.00	1.20	24.00	12/24/2016, 7
1-HR	1ST	851.49492	ug/m^3		641310.00	4295240.00	24.00	1.20	24.00	2/11/2014, 7
1-HR	1ST	872.54133	ug/m^3		641330.00	4295240.00	24.00	1.20	24.00	2/14/2018, 8
1-HR	1ST	844.01212	ug/m^3		641350.00	4295240.00	24.00	1.20	24.00	12/6/2016, 8
1-HR	1ST	773.10841	ug/m^3		641370.00	4295240.00	24.00	1.20	24.00	2/27/2016, 7
1-HR	1ST	792.84974	ug/m^3		641410.00	4295240.00	24.00	1.20	24.00	2/17/2018, 7
1-HR	1ST	734.85275	ug/m^3		641430.00	4295240.00	24.00	1.20	24.00	1/5/2015, 17
1-HR	1ST	731.95372	ug/m^3		641450.00	4295240.00	24.00	1.20	24.00	1/11/2018, 7
1-HR	1ST	726.30393	ug/m^3		641470.00	4295240.00	24.00	1.20	24.00	1/11/2018, 7
1-HR	1ST	677.12962	ug/m^3		641490.00	4295240.00	24.00	1.20	24.00	12/19/2017, 8
1-HR	1ST	625.88283	ug/m^3		641170.00	4295260.00	24.00	1.20	24.00	1/29/2015, 18
1-HR	1ST	655.58922	ug/m^3		641190.00	4295260.00	24.00	1.20	24.00	2/14/2015, 7

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AIRTOXIC - Concentration - Source Group: POINT

Averaging Period	Rank	Peak	Units	Receptor ID	X (m)	Y (m)	ZELEV (m)	ZFLAG (m)	ZHILL (m)	Peak Date, Start Hour
1-HR	1ST	702.27926	ug/m^3		641210.00	4295260.00	24.00	1.20	24.00	11/21/2016, 17
1-HR	1ST	712.05966	ug/m^3		641230.00	4295260.00	24.00	1.20	24.00	12/14/2014, 7
1-HR	1ST	739.18770	ug/m^3		641250.00	4295260.00	24.00	1.20	24.00	12/30/2016, 8
1-HR	1ST	747.75935	ug/m^3		641270.00	4295260.00	24.00	1.20	24.00	1/1/2014, 7
1-HR	1ST	768.02288	ug/m^3		641290.00	4295260.00	24.00	1.20	24.00	12/24/2016, 7
1-HR	1ST	766.83949	ug/m^3		641310.00	4295260.00	24.00	1.20	24.00	2/11/2014, 7
1-HR	1ST	783.85372	ug/m^3		641330.00	4295260.00	24.00	1.20	24.00	2/14/2018, 8
1-HR	1ST	760.37740	ug/m^3		641350.00	4295260.00	24.00	1.20	24.00	12/6/2016, 8
1-HR	1ST	675.96702	ug/m^3		641370.00	4295260.00	24.00	1.20	24.00	2/27/2016, 7
1-HR	1ST	713.05826	ug/m^3		641410.00	4295260.00	24.00	1.20	24.00	10/28/2014, 17
1-HR	1ST	691.94499	ug/m^3		641430.00	4295260.00	24.00	1.20	24.00	1/5/2015, 17
1-HR	1ST	626.50676	ug/m^3		641450.00	4295260.00	24.00	1.20	24.00	1/11/2015, 17
1-HR	1ST	649.63119	ug/m^3		641210.00	4295280.00	24.00	1.20	24.00	9/29/2014, 7
1-HR	1ST	653.55559	ug/m^3		641230.00	4295280.00	24.00	1.20	24.00	12/30/2016, 8
1-HR	1ST	657.44589	ug/m^3		641250.00	4295280.00	24.00	1.20	24.00	12/30/2016, 8
1-HR	1ST	674.67697	ug/m^3		641270.00	4295280.00	24.00	1.20	24.00	1/1/2014, 7
1-HR	1ST	697.87765	ug/m^3		641290.00	4295280.00	24.00	1.20	24.00	12/24/2016, 7
1-HR	1ST	695.60467	ug/m^3		641310.00	4295280.00	24.00	1.20	24.00	2/11/2014, 7
1-HR	1ST	708.21433	ug/m^3		641330.00	4295280.00	24.00	1.20	24.00	2/14/2018, 8
1-HR	1ST	685.34783	ug/m^3		641350.00	4295280.00	24.00	1.20	24.00	12/6/2016, 8
1-HR	1ST	637.56967	ug/m^3		641370.00	4295280.00	24.00	1.20	24.00	12/6/2016, 8

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AIRTOXIC - Concentration - Source Group: POINT

Averaging Period	Rank	Peak	Units	Receptor ID	X (m)	Y (m)	ZELEV (m)	ZFLAG (m)	ZHILL (m)	Peak Date, Start Hour
1-HR	1ST	651.79410	ug/m^3		641410.00	4295280.00	24.00	1.20	24.00	10/28/2014, 17
1-HR	1ST	4028.69915	ug/m^3	1	641241.06	4295025.57	24.32	1.20	24.32	1/30/2015, 9
1-HR	1ST	3271.95777	ug/m^3	1	641401.10	4294998.59	24.12	1.20	24.12	12/27/2015, 8
1-HR	1ST	3142.89945	ug/m^3	1	641403.80	4295029.16	24.00	1.20	24.00	12/8/2014, 17
1-HR	1ST	2585.21930	ug/m^3	1	641422.68	4295009.38	24.00	1.20	24.00	1/8/2015, 8
1-HR	1ST	2237.12892	ug/m^3	1	641442.46	4295023.77	24.00	1.20	24.00	1/15/2014, 17
1-HR	1ST	3129.85001	ug/m^3	1	641400.20	4294968.02	24.45	1.20	24.45	1/16/2017, 9
1-HR	1ST	741.18816	ug/m^3	1	641402.90	4294665.02	27.72	1.20	27.72	2/2/2018, 7
1-HR	1ST	1236.33008	ug/m^3	1	641231.41	4294780.46	26.44	1.20	26.44	12/14/2014, 9
PERIOD		28.33390	ug/m^3	1	641232.59	4295000.70	24.59	1.20	24.59	
PERIOD		27.95287	ug/m^3	1	641234.02	4294983.60	24.76	1.20	24.76	
PERIOD		24.18896	ug/m^3	1	641231.88	4294967.21	24.97	1.20	24.97	
PERIOD		21.81953	ug/m^3	1	641233.31	4294945.83	25.18	1.20	25.18	
PERIOD		19.01543	ug/m^3	1	641234.02	4294923.74	25.42	1.20	25.42	
PERIOD		15.25019	ug/m^3	1	641226.18	4294909.49	25.65	1.20	25.65	
PERIOD		9.92959	ug/m^3	1	641194.82	4294899.51	25.94	1.20	25.94	
PERIOD		8.44675	ug/m^3	1	641178.43	4294903.07	25.73	1.20	25.73	
PERIOD		6.90720	ug/m^3	1	641157.77	4294905.92	25.46	1.20	25.46	
PERIOD		6.07326	ug/m^3	1	641141.38	4294913.76	25.19	1.20	25.19	
PERIOD		4.94483	ug/m^3	1	641113.58	4294921.60	24.81	1.20	24.81	
PERIOD		10.87450	ug/m^3	1	641189.12	4294940.84	25.60	1.20	25.60	

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Sensitive Receptor Summary

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AIRTOXIC - Concentration - Source Group: POINT

Averaging Period	Rank	Peak	Units	Receptor ID	X (m)	Y (m)	ZELEV (m)	ZFLAG (m)	ZHILL (m)	Peak Date, Start Hour
PERIOD		11.83585	ug/m^3	1	641190.55	4294955.81	25.48	1.20	25.48	
PERIOD		12.90226	ug/m^3	1	641189.12	4294980.04	25.24	1.20	25.24	
PERIOD		10.16101	ug/m^3	1	641168.46	4294989.30	25.10	1.20	25.10	
PERIOD		18.11143	ug/m^3	1	641210.50	4295026.36	24.64	1.20	24.64	
PERIOD		13.03728	ug/m^3	1	641188.41	4295030.63	24.73	1.20	24.73	
PERIOD		10.49417	ug/m^3	1	641171.31	4295034.20	24.69	1.20	24.69	
PERIOD		8.55921	ug/m^3	1	641154.20	4295042.04	24.60	1.20	24.60	
PERIOD		7.11833	ug/m^3	1	641136.39	4295047.74	24.53	1.20	24.53	
PERIOD		6.08351	ug/m^3	1	641119.29	4295052.01	24.45	1.20	24.45	
PERIOD		4.24801	ug/m^3	1	641069.40	4295042.04	24.13	1.20	24.13	
PERIOD		3.61714	ug/m^3	1	641045.17	4295034.91	24.00	1.20	24.00	
PERIOD		3.28007	ug/m^3	1	641030.92	4295017.09	24.00	1.20	24.00	
PERIOD		2.93861	ug/m^3	1	641013.82	4295006.40	24.00	1.20	24.00	
PERIOD		2.76791	ug/m^3	1	641005.26	4294991.44	24.00	1.20	24.00	
PERIOD		2.52843	ug/m^3	1	640991.01	4294977.90	24.00	1.20	24.00	
PERIOD		2.31835	ug/m^3	1	640978.18	4294960.80	24.00	1.20	24.00	
PERIOD		2.17403	ug/m^3	1	640971.06	4294941.55	24.00	1.20	24.00	
PERIOD		2.06000	ug/m^3	1	640967.50	4294920.18	24.00	1.20	24.00	
PERIOD		2.00947	ug/m^3	1	640968.21	4294903.79	24.00	1.20	24.00	
PERIOD		2.00143	ug/m^3	1	640974.62	4294883.12	24.00	1.20	24.00	
PERIOD		8.61385	ug/m^3	1	641153.49	4294992.15	25.05	1.20	25.05	

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Sensitive Receptor Summary

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AIRTOXIC - Concentration - Source Group: POINT

Averaging Period	Rank	Peak	Units	Receptor ID	X (m)	Y (m)	ZELEV (m)	ZFLAG (m)	ZHILL (m)	Peak Date, Start Hour
PERIOD		7.16212	ug/m^3	1	641134.96	4294997.14	25.01	1.20	25.01	
PERIOD		6.10328	ug/m^3	1	641117.15	4295002.13	24.88	1.20	24.88	
PERIOD		5.21233	ug/m^3	1	641097.91	4295005.69	24.60	1.20	24.60	
PERIOD		4.44161	ug/m^3	1	641077.95	4294996.43	24.34	1.20	24.34	
PERIOD		3.86202	ug/m^3	1	641059.42	4294986.45	24.08	1.20	24.08	
PERIOD		3.54715	ug/m^3	1	641049.45	4294971.49	24.00	1.20	24.00	
PERIOD		3.17820	ug/m^3	1	641035.20	4294959.37	24.00	1.20	24.00	
PERIOD		2.80299	ug/m^3	1	641018.09	4294945.83	24.00	1.20	24.00	
PERIOD		2.57274	ug/m^3	1	641010.97	4294922.31	24.00	1.20	24.00	
PERIOD		2.51997	ug/m^3	1	641015.24	4294899.51	24.00	1.20	24.00	
PERIOD		2.60492	ug/m^3	1	641027.36	4294882.41	24.00	1.20	24.00	
PERIOD		3.02174	ug/m^3	1	641045.88	4294904.50	24.00	1.20	24.00	
PERIOD		3.42107	ug/m^3	1	641059.42	4294923.74	24.06	1.20	24.06	
PERIOD		3.67137	ug/m^3	1	641065.84	4294936.57	24.16	1.20	24.16	
PERIOD		4.08164	ug/m^3	1	641075.82	4294952.96	24.30	1.20	24.30	
PERIOD		4.91514	ug/m^3	1	641096.48	4294968.63	24.59	1.20	24.59	
PERIOD		5.75705	ug/m^3	1	641115.72	4294970.06	24.85	1.20	24.85	
PERIOD		6.57727	ug/m^3	1	641133.54	4294961.51	25.05	1.20	25.05	
PERIOD		7.68333	ug/m^3	1	641151.35	4294957.23	25.18	1.20	25.18	
PERIOD		8.92666	ug/m^3	1	641168.46	4294950.11	25.34	1.20	25.34	
PERIOD		4.36739	ug/m^3	1	641102.90	4294904.50	24.71	1.20	24.71	

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Sensitive Receptor Summary

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AIRTOXIC - Concentration - Source Group: POINT

Averaging Period	Rank	Peak	Units	Receptor ID	X (m)	Y (m)	ZELEV (m)	ZFLAG (m)	ZHILL (m)	Peak Date, Start Hour
PERIOD		3.95643	ug/m^3	1	641092.92	4294892.38	24.63	1.20	24.63	
PERIOD		4.53718	ug/m^3	1	641115.01	4294882.41	25.08	1.20	25.08	
PERIOD		4.82836	ug/m^3	1	641126.41	4294870.29	25.42	1.20	25.42	
PERIOD		7.14039	ug/m^3	1	641172.73	4294872.43	25.78	1.20	25.78	
PERIOD		11.56523	ug/m^3	1	641226.89	4294874.57	25.79	1.20	25.79	
PERIOD		10.15955	ug/m^3	1	641231.88	4294854.61	25.85	1.20	25.85	
PERIOD		8.54280	ug/m^3	1	641228.32	4294836.09	25.94	1.20	25.94	
PERIOD		6.24089	ug/m^3	1	641179.86	4294834.66	25.95	1.20	25.95	
PERIOD		6.53926	ug/m^3	1	641172.02	4294854.61	25.85	1.20	25.85	
PERIOD		5.23586	ug/m^3	1	641140.66	4294858.18	25.65	1.20	25.65	
PERIOD		3.24693	ug/m^3	1	641071.54	4294862.45	24.33	1.20	24.33	
PERIOD		2.92799	ug/m^3	1	641058.00	4294848.91	24.04	1.20	24.04	
PERIOD		2.58315	ug/m^3	1	641039.47	4294836.80	24.00	1.20	24.00	
PERIOD		2.05182	ug/m^3	1	640999.56	4294821.12	24.00	1.20	24.00	
PERIOD		2.11634	ug/m^3	1	641009.54	4294804.73	24.00	1.20	24.00	
PERIOD		2.37944	ug/m^3	1	641043.03	4294767.67	24.00	1.20	24.00	
PERIOD		2.55214	ug/m^3	1	641062.99	4294759.12	24.19	1.20	24.19	
PERIOD		2.63950	ug/m^3	1	641078.67	4294748.43	24.79	1.20	24.79	
PERIOD		2.71467	ug/m^3	1	641093.63	4294738.46	25.41	1.20	25.41	
PERIOD		2.83368	ug/m^3	1	641112.16	4294730.62	26.20	1.20	26.20	
PERIOD		2.89131	ug/m^3	1	641127.84	4294722.06	26.94	1.20	26.94	

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Sensitive Receptor Summary

C:\Users\MikeRatte\Documents\Projects\Moraga Camino Pablo\Revision 2

AIRTOXIC - Concentration - Source Group: POINT

Averaging Period	Rank	Peak	Units	Receptor ID	X (m)	Y (m)	ZELEV (m)	ZFLAG (m)	ZHILL (m)	Peak Date, Start Hour
PERIOD		3.01402	ug/m^3	1	641149.93	4294714.23	27.14	1.20	27.14	
PERIOD		3.19336	ug/m^3	1	641169.17	4294713.51	27.15	1.20	27.15	
PERIOD		3.38588	ug/m^3	1	641185.56	4294714.94	27.14	1.20	27.14	
PERIOD		3.60582	ug/m^3	1	641206.23	4294714.23	27.15	1.20	27.15	
PERIOD		4.71828	ug/m^3	1	641236.87	4294744.87	26.83	1.20	26.83	
PERIOD		5.12196	ug/m^3	1	641232.59	4294760.55	26.66	1.20	26.66	
PERIOD		5.79274	ug/m^3	1	641231.17	4294780.50	26.44	1.20	26.44	
PERIOD		7.50138	ug/m^3	1	641230.46	4294817.56	26.04	1.20	26.04	
PERIOD		6.59705	ug/m^3	1	641229.74	4294800.45	26.23	1.20	26.23	
PERIOD		5.16986	ug/m^3	1	641189.84	4294791.19	26.32	1.20	26.32	
PERIOD		4.46247	ug/m^3	1	641190.55	4294764.82	26.60	1.20	26.60	
PERIOD		3.98873	ug/m^3	1	641167.03	4294761.26	26.64	1.20	26.64	
PERIOD		4.71406	ug/m^3	1	641169.17	4294792.61	26.30	1.20	26.30	
PERIOD		4.30033	ug/m^3	1	641148.50	4294796.18	26.26	1.20	26.26	
PERIOD		4.12482	ug/m^3	1	641132.83	4294806.87	26.14	1.20	26.14	
PERIOD		3.51749	ug/m^3	1	641127.12	4294773.37	26.40	1.20	26.40	
PERIOD		3.64336	ug/m^3	1	641144.23	4294762.68	26.62	1.20	26.62	
PERIOD		3.34434	ug/m^3	1	641110.02	4294780.50	25.76	1.20	25.76	
PERIOD		3.19893	ug/m^3	1	641092.21	4294792.61	25.11	1.20	25.11	
PERIOD		3.84939	ug/m^3	1	641114.30	4294815.42	25.62	1.20	25.62	
PERIOD		3.68818	ug/m^3	1	641101.47	4294826.82	25.19	1.20	25.19	

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Sensitive Receptor Summary

C:\Users\MikeRatte\Documents\Projects\Moraga Camino Pablo\Revision 2

AIRTOXIC - Concentration - Source Group: POINT

Averaging Period	Rank	Peak	Units	Receptor ID	X (m)	Y (m)	ZELEV (m)	ZFLAG (m)	ZHILL (m)	Peak Date, Start Hour
PERIOD		3.41569	ug/m^3	1	641085.08	4294840.36	24.70	1.20	24.70	
PERIOD		2.76832	ug/m^3	1	641056.57	4294814.71	24.00	1.20	24.00	
PERIOD		3.02531	ug/m^3	1	641075.82	4294804.02	24.56	1.20	24.56	
PERIOD		10.83289	ug/m^3	1	641269.65	4294836.09	25.86	1.20	25.86	
PERIOD		15.69501	ug/m^3	1	641319.53	4294845.35	25.76	1.20	25.76	
PERIOD		20.24220	ug/m^3	1	641353.74	4294848.91	25.73	1.20	25.73	
PERIOD		11.76828	ug/m^3	1	641370.84	4294797.60	26.28	1.20	26.28	
PERIOD		8.59624	ug/m^3	1	641320.25	4294788.34	26.37	1.20	26.37	
PERIOD		6.65243	ug/m^3	1	641269.65	4294779.79	26.46	1.20	26.46	
PERIOD		5.41133	ug/m^3	1	641271.79	4294750.57	26.77	1.20	26.77	
PERIOD		6.57562	ug/m^3	1	641333.79	4294749.86	26.79	1.20	26.79	
PERIOD		7.43580	ug/m^3	1	641387.95	4294741.31	26.90	1.20	26.90	
PERIOD		5.69381	ug/m^3	1	641374.41	4294711.38	27.22	1.20	27.22	
PERIOD		4.86055	ug/m^3	1	641353.03	4294698.55	27.35	1.20	27.35	
PERIOD		4.14367	ug/m^3	1	641323.10	4294687.86	27.46	1.20	27.46	
PERIOD		3.92327	ug/m^3	1	641271.08	4294699.97	27.32	1.20	27.32	
PERIOD		3.36107	ug/m^3	1	641276.78	4294670.04	27.64	1.20	27.64	
PERIOD		21.81955	ug/m^3	1	641405.76	4294944.41	24.70	1.20	24.70	
PERIOD		13.53450	ug/m^3	1	641430.71	4294945.83	24.69	1.20	24.69	
PERIOD		10.33528	ug/m^3	1	641449.23	4294941.55	24.74	1.20	24.74	
PERIOD		7.71677	ug/m^3	1	641470.61	4294942.98	24.73	1.20	24.73	

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Sensitive Receptor Summary

C:\Users\MikeRatte\Documents\Projects\Moraga Camino Pablo\Revision 2

AIRTOXIC - Concentration - Source Group: POINT

Averaging Period	Rank	Peak	Units	Receptor ID	X (m)	Y (m)	ZELEV (m)	ZFLAG (m)	ZHILL (m)	Peak Date, Start Hour
PERIOD		7.22925	ug/m^3	1	641461.35	4294992.86	24.19	1.20	24.19	
PERIOD		5.75421	ug/m^3	1	641481.30	4294991.44	24.21	1.20	24.21	
PERIOD		4.75686	ug/m^3	1	641499.83	4294990.73	24.22	1.20	24.22	
PERIOD		3.97659	ug/m^3	1	641519.78	4294986.45	24.27	1.20	24.27	
PERIOD		3.32826	ug/m^3	1	641540.45	4294987.88	24.26	1.20	24.26	
PERIOD		2.85199	ug/m^3	1	641561.83	4294981.46	24.33	1.20	24.33	
PERIOD		2.45219	ug/m^3	1	641583.92	4294978.61	24.25	1.20	24.25	
PERIOD		2.10525	ug/m^3	1	641608.86	4294973.62	24.14	1.20	24.14	
PERIOD		2.11057	ug/m^3	1	641617.41	4294949.39	24.15	1.20	24.15	
PERIOD		2.24954	ug/m^3	1	641616.70	4294926.59	24.22	1.20	24.22	
PERIOD		2.33706	ug/m^3	1	641618.13	4294907.35	24.34	1.20	24.34	
PERIOD		2.47508	ug/m^3	1	641615.99	4294886.68	24.53	1.20	24.53	
PERIOD		2.52656	ug/m^3	1	641617.41	4294870.29	24.66	1.20	24.66	
PERIOD		2.74087	ug/m^3	1	641613.14	4294840.36	24.91	1.20	24.91	
PERIOD		3.16146	ug/m^3	1	641564.68	4294935.14	24.80	1.20	24.80	
PERIOD		3.34539	ug/m^3	1	641564.68	4294914.47	24.96	1.20	24.96	
PERIOD		3.47441	ug/m^3	1	641566.10	4294893.81	24.96	1.20	24.96	
PERIOD		3.53695	ug/m^3	1	641568.96	4294875.28	24.95	1.20	24.95	
PERIOD		3.72092	ug/m^3	1	641568.24	4294854.61	24.98	1.20	24.98	
PERIOD		4.06040	ug/m^3	1	641562.54	4294834.66	25.01	1.20	25.01	
PERIOD		5.52866	ug/m^3	1	641526.91	4294832.52	25.47	1.20	25.47	

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Sensitive Receptor Summary

C:\Users\MikeRatte\Documents\Projects\Moraga Camino Pablo\Revision 2

AIRTOXIC - Concentration - Source Group: POINT

Averaging Period	Rank	Peak	Units	Receptor ID	X (m)	Y (m)	ZELEV (m)	ZFLAG (m)	ZHILL (m)	Peak Date, Start Hour
PERIOD		5.61778	ug/m^3	1	641521.92	4294853.19	25.40	1.20	25.40	
PERIOD		5.48562	ug/m^3	1	641519.07	4294876.71	25.27	1.20	25.27	
PERIOD		5.18079	ug/m^3	1	641519.78	4294895.95	25.15	1.20	25.15	
PERIOD		5.11181	ug/m^3	1	641515.51	4294916.61	25.02	1.20	25.02	
PERIOD		4.86730	ug/m^3	1	641514.08	4294937.99	24.79	1.20	24.79	
PERIOD		8.98546	ug/m^3	1	641469.19	4294903.79	25.15	1.20	25.15	
PERIOD		11.60815	ug/m^3	1	641451.37	4294900.22	25.19	1.20	25.19	
PERIOD		16.08505	ug/m^3	1	641429.99	4294899.51	25.19	1.20	25.19	
PERIOD		23.69366	ug/m^3	1	641405.76	4294895.95	25.23	1.20	25.23	
PERIOD		15.78112	ug/m^3	1	641418.59	4294841.07	25.82	1.20	25.82	
PERIOD		12.68559	ug/m^3	1	641441.39	4294836.09	25.88	1.20	25.88	
PERIOD		9.01443	ug/m^3	1	641476.31	4294852.48	25.71	1.20	25.71	
PERIOD		9.08687	ug/m^3	1	641474.89	4294831.10	25.94	1.20	25.94	
PERIOD		8.37970	ug/m^3	1	641464.20	4294774.09	26.21	1.20	26.21	
PERIOD		7.46930	ug/m^3	1	641487.72	4294781.21	26.03	1.20	26.03	
PERIOD		6.51455	ug/m^3	1	641507.67	4294784.78	25.88	1.20	25.88	
PERIOD		5.47059	ug/m^3	1	641530.47	4294788.34	25.69	1.20	25.69	
PERIOD		4.73692	ug/m^3	1	641549.00	4294787.63	25.54	1.20	25.54	
PERIOD		4.00760	ug/m^3	1	641571.09	4294789.76	25.37	1.20	25.37	
PERIOD		4.04814	ug/m^3	1	641571.09	4294749.14	25.77	1.20	25.77	
PERIOD		4.74524	ug/m^3	1	641547.58	4294751.28	25.86	1.20	25.86	

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Sensitive Receptor Summary

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AIRTOXIC - Concentration - Source Group: POINT

Averaging Period	Rank	Peak	Units	Receptor ID	X (m)	Y (m)	ZELEV (m)	ZFLAG (m)	ZHILL (m)	Peak Date, Start Hour
PERIOD		5.43420	ug/m^3	1	641526.20	4294748.43	25.93	1.20	25.93	
PERIOD		6.22844	ug/m^3	1	641499.12	4294742.02	25.99	1.20	25.99	
PERIOD		6.52048	ug/m^3	1	641479.16	4294732.04	26.20	1.20	26.20	
PERIOD		6.76706	ug/m^3	1	641459.21	4294727.77	26.52	1.20	26.52	
PERIOD		4.70607	ug/m^3	1	641487.72	4294665.77	26.82	1.20	26.82	
PERIOD		4.82626	ug/m^3	1	641506.96	4294681.44	26.57	1.20	26.57	
PERIOD		4.80404	ug/m^3	1	641526.20	4294698.55	26.38	1.20	26.38	
PERIOD		4.41949	ug/m^3	1	641547.58	4294702.82	26.34	1.20	26.34	
PERIOD		3.98247	ug/m^3	1	641567.53	4294700.69	26.34	1.20	26.34	
PERIOD		3.57489	ug/m^3	1	641571.09	4294652.94	26.82	1.20	26.82	
PERIOD		3.84658	ug/m^3	1	641548.29	4294651.51	26.90	1.20	26.90	
PERIOD		3.87415	ug/m^3	1	641534.04	4294641.54	27.00	1.20	27.00	
PERIOD		4.01843	ug/m^3	1	641504.82	4294635.84	27.06	1.20	27.06	
PERIOD		3.04253	ug/m^3	1	641610.29	4294789.05	25.15	1.20	25.15	
PERIOD		3.14011	ug/m^3	1	641610.29	4294749.86	25.31	1.20	25.31	
PERIOD		3.14065	ug/m^3	1	641611.00	4294697.84	25.78	1.20	25.78	
PERIOD		2.97816	ug/m^3	1	641618.13	4294666.48	26.03	1.20	26.03	
PERIOD		2.94969	ug/m^3	1	641615.99	4294645.81	26.29	1.20	26.29	
PERIOD		3.17009	ug/m^3	1	641565.39	4294603.06	27.42	1.20	27.42	
PERIOD		2.81905	ug/m^3	1	641618.13	4294620.16	26.72	1.20	26.72	
PERIOD		3.67633	ug/m^3		641050.00	4295060.00	24.00	1.20	24.00	

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Sensitive Receptor Summary

C:\Users\MikeRatte\Documents\Projects\Moraga Camino Pablo\Revision 2

AIRTOXIC - Concentration - Source Group: POINT

Averaging Period	Rank	Peak	Units	Receptor ID	X (m)	Y (m)	ZELEV (m)	ZFLAG (m)	ZHILL (m)	Peak Date, Start Hour
PERIOD		4.17625	ug/m^3		641070.00	4295060.00	24.09	1.20	24.09	
PERIOD		3.09045	ug/m^3		641550.00	4295060.00	24.00	1.20	24.00	
PERIOD		2.67937	ug/m^3		641570.00	4295060.00	24.00	1.20	24.00	
PERIOD		2.34327	ug/m^3		641590.00	4295060.00	24.00	1.20	24.00	
PERIOD		2.06549	ug/m^3		641610.00	4295060.00	24.00	1.20	24.00	
PERIOD		50.94275	ug/m^3		641270.00	4295080.00	24.00	1.20	24.00	
PERIOD		65.40075	ug/m^3		641290.00	4295080.00	24.00	1.20	24.00	
PERIOD		66.54151	ug/m^3		641310.00	4295080.00	24.00	1.20	24.00	
PERIOD		52.08069	ug/m^3		641330.00	4295080.00	24.00	1.20	24.00	
PERIOD		34.71857	ug/m^3		641350.00	4295080.00	24.00	1.20	24.00	
PERIOD		22.59172	ug/m^3		641370.00	4295080.00	24.00	1.20	24.00	
PERIOD		11.35037	ug/m^3		641410.00	4295080.00	24.00	1.20	24.00	
PERIOD		8.69751	ug/m^3		641430.00	4295080.00	24.00	1.20	24.00	
PERIOD		6.92126	ug/m^3		641450.00	4295080.00	24.00	1.20	24.00	
PERIOD		5.66983	ug/m^3		641470.00	4295080.00	24.00	1.20	24.00	
PERIOD		4.74457	ug/m^3		641490.00	4295080.00	24.00	1.20	24.00	
PERIOD		4.03279	ug/m^3		641510.00	4295080.00	24.00	1.20	24.00	
PERIOD		3.46885	ug/m^3		641530.00	4295080.00	24.00	1.20	24.00	
PERIOD		3.01242	ug/m^3		641550.00	4295080.00	24.00	1.20	24.00	
PERIOD		2.63721	ug/m^3		641570.00	4295080.00	24.00	1.20	24.00	
PERIOD		2.32509	ug/m^3		641590.00	4295080.00	24.00	1.20	24.00	

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Sensitive Receptor Summary

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AIRTOXIC - Concentration - Source Group: POINT

Averaging Period	Rank	Peak	Units	Receptor ID	X (m)	Y (m)	ZELEV (m)	ZFLAG (m)	ZHILL (m)	Peak Date, Start Hour
PERIOD		11.59313	ug/m^3		641190.00	4295100.00	24.00	1.20	24.00	
PERIOD		15.68789	ug/m^3		641210.00	4295100.00	24.00	1.20	24.00	
PERIOD		21.76145	ug/m^3		641230.00	4295100.00	24.00	1.20	24.00	
PERIOD		30.02383	ug/m^3		641250.00	4295100.00	24.00	1.20	24.00	
PERIOD		39.31636	ug/m^3		641270.00	4295100.00	24.00	1.20	24.00	
PERIOD		46.13119	ug/m^3		641290.00	4295100.00	24.00	1.20	24.00	
PERIOD		45.79289	ug/m^3		641310.00	4295100.00	24.00	1.20	24.00	
PERIOD		37.96820	ug/m^3		641330.00	4295100.00	24.00	1.20	24.00	
PERIOD		27.78310	ug/m^3		641350.00	4295100.00	24.00	1.20	24.00	
PERIOD		19.40592	ug/m^3		641370.00	4295100.00	24.00	1.20	24.00	
PERIOD		10.25889	ug/m^3		641410.00	4295100.00	24.00	1.20	24.00	
PERIOD		7.95064	ug/m^3		641430.00	4295100.00	24.00	1.20	24.00	
PERIOD		6.36599	ug/m^3		641450.00	4295100.00	24.00	1.20	24.00	
PERIOD		5.23742	ug/m^3		641470.00	4295100.00	24.00	1.20	24.00	
PERIOD		4.40643	ug/m^3		641490.00	4295100.00	24.00	1.20	24.00	
PERIOD		3.77306	ug/m^3		641510.00	4295100.00	24.00	1.20	24.00	
PERIOD		3.27436	ug/m^3		641530.00	4295100.00	24.00	1.20	24.00	
PERIOD		2.87081	ug/m^3		641550.00	4295100.00	24.00	1.20	24.00	
PERIOD		2.53727	ug/m^3		641570.00	4295100.00	24.00	1.20	24.00	
PERIOD		2.25715	ug/m^3		641590.00	4295100.00	24.00	1.20	24.00	
PERIOD		5.69063	ug/m^3		641130.00	4295120.00	24.00	1.20	24.00	

Project File: C:\Users\MikeRatte\Documents\Projects\Roseville Hayden Commercial Center\AERMOD\AERMOD.isc

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Sensitive Receptor Summary

C:\Users\MikeRatte\Documents\Projects\Moraga Camino Pablo\Revision 2

AIRTOXIC - Concentration - Source Group: POINT

Averaging Period	Rank	Peak	Units	Receptor ID	X (m)	Y (m)	ZELEV (m)	ZFLAG (m)	ZHILL (m)	Peak Date, Start Hour
PERIOD		6.96714	ug/m^3		641150.00	4295120.00	24.00	1.20	24.00	
PERIOD		8.76093	ug/m^3		641170.00	4295120.00	24.00	1.20	24.00	
PERIOD		11.30208	ug/m^3		641190.00	4295120.00	24.00	1.20	24.00	
PERIOD		14.85912	ug/m^3		641210.00	4295120.00	24.00	1.20	24.00	
PERIOD		19.57667	ug/m^3		641230.00	4295120.00	24.00	1.20	24.00	
PERIOD		25.18219	ug/m^3		641250.00	4295120.00	24.00	1.20	24.00	
PERIOD		30.66887	ug/m^3		641270.00	4295120.00	24.00	1.20	24.00	
PERIOD		34.09475	ug/m^3		641290.00	4295120.00	24.00	1.20	24.00	
PERIOD		33.44443	ug/m^3		641310.00	4295120.00	24.00	1.20	24.00	
PERIOD		28.77000	ug/m^3		641330.00	4295120.00	24.00	1.20	24.00	
PERIOD		22.43655	ug/m^3		641350.00	4295120.00	24.00	1.20	24.00	
PERIOD		16.65064	ug/m^3		641370.00	4295120.00	24.00	1.20	24.00	
PERIOD		9.30326	ug/m^3		641410.00	4295120.00	24.00	1.20	24.00	
PERIOD		7.29346	ug/m^3		641430.00	4295120.00	24.00	1.20	24.00	
PERIOD		5.88877	ug/m^3		641450.00	4295120.00	24.00	1.20	24.00	
PERIOD		4.86815	ug/m^3		641470.00	4295120.00	24.00	1.20	24.00	
PERIOD		4.10666	ug/m^3		641490.00	4295120.00	24.00	1.20	24.00	
PERIOD		3.52541	ug/m^3		641510.00	4295120.00	24.00	1.20	24.00	
PERIOD		3.07077	ug/m^3		641530.00	4295120.00	24.00	1.20	24.00	
PERIOD		2.70616	ug/m^3		641550.00	4295120.00	24.00	1.20	24.00	
PERIOD		2.40679	ug/m^3		641570.00	4295120.00	24.00	1.20	24.00	

Project File: C:\Users\MikeRatte\Documents\Projects\Roseville Hayden Commercial Center\AERMOD\AERMOD.isc

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Sensitive Receptor Summary

C:\Users\MikeRatte\Documents\Projects\Moraga Camino Pablo\Revision 2

AIRTOXIC - Concentration - Source Group: POINT

Averaging Period	Rank	Peak	Units	Receptor ID	X (m)	Y (m)	ZELEV (m)	ZFLAG (m)	ZHILL (m)	Peak Date, Start Hour
PERIOD		2.15603	ug/m^3		641590.00	4295120.00	24.00	1.20	24.00	
PERIOD		3.99155	ug/m^3		641090.00	4295140.00	24.00	1.20	24.00	
PERIOD		4.69153	ug/m^3		641110.00	4295140.00	24.00	1.20	24.00	
PERIOD		5.62177	ug/m^3		641130.00	4295140.00	24.00	1.20	24.00	
PERIOD		6.87035	ug/m^3		641150.00	4295140.00	24.00	1.20	24.00	
PERIOD		8.55670	ug/m^3		641170.00	4295140.00	24.00	1.20	24.00	
PERIOD		10.81736	ug/m^3		641190.00	4295140.00	24.00	1.20	24.00	
PERIOD		13.73945	ug/m^3		641210.00	4295140.00	24.00	1.20	24.00	
PERIOD		17.25182	ug/m^3		641230.00	4295140.00	24.00	1.20	24.00	
PERIOD		21.02533	ug/m^3		641250.00	4295140.00	24.00	1.20	24.00	
PERIOD		24.35916	ug/m^3		641270.00	4295140.00	24.00	1.20	24.00	
PERIOD		26.16968	ug/m^3		641290.00	4295140.00	24.00	1.20	24.00	
PERIOD		25.51817	ug/m^3		641310.00	4295140.00	24.00	1.20	24.00	
PERIOD		22.51229	ug/m^3		641330.00	4295140.00	24.00	1.20	24.00	
PERIOD		18.36090	ug/m^3		641350.00	4295140.00	24.00	1.20	24.00	
PERIOD		14.29906	ug/m^3		641370.00	4295140.00	24.00	1.20	24.00	
PERIOD		8.46682	ug/m^3		641410.00	4295140.00	24.00	1.20	24.00	
PERIOD		6.71004	ug/m^3		641430.00	4295140.00	24.00	1.20	24.00	
PERIOD		5.46197	ug/m^3		641450.00	4295140.00	24.00	1.20	24.00	
PERIOD		4.54463	ug/m^3		641470.00	4295140.00	24.00	1.20	24.00	
PERIOD		3.84919	ug/m^3		641490.00	4295140.00	24.00	1.20	24.00	

Project File: C:\Users\MikeRatte\Documents\Projects\Roseville Hayden Commercial Center\AERMOD\AERMOD.isc

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Sensitive Receptor Summary

C:\Users\MikeRatte\Documents\Projects\Moraga Camino Pablo\Revision 2

AIRTOXIC - Concentration - Source Group: POINT

Averaging Period	Rank	Peak	Units	Receptor ID	X (m)	Y (m)	ZELEV (m)	ZFLAG (m)	ZHILL (m)	Peak Date, Start Hour
PERIOD		3.31111	ug/m^3		641510.00	4295140.00	24.00	1.20	24.00	
PERIOD		2.88797	ug/m^3		641530.00	4295140.00	24.00	1.20	24.00	
PERIOD		2.54948	ug/m^3		641550.00	4295140.00	24.00	1.20	24.00	
PERIOD		2.27355	ug/m^3		641570.00	4295140.00	24.00	1.20	24.00	
PERIOD		3.39969	ug/m^3		641070.00	4295160.00	24.00	1.20	24.00	
PERIOD		3.94234	ug/m^3		641090.00	4295160.00	24.00	1.20	24.00	
PERIOD		4.64010	ug/m^3		641110.00	4295160.00	24.00	1.20	24.00	
PERIOD		5.54405	ug/m^3		641130.00	4295160.00	24.00	1.20	24.00	
PERIOD		6.72151	ug/m^3		641150.00	4295160.00	24.00	1.20	24.00	
PERIOD		8.24823	ug/m^3		641170.00	4295160.00	24.00	1.20	24.00	
PERIOD		10.17717	ug/m^3		641190.00	4295160.00	24.00	1.20	24.00	
PERIOD		12.49047	ug/m^3		641210.00	4295160.00	24.00	1.20	24.00	
PERIOD		15.06321	ug/m^3		641230.00	4295160.00	24.00	1.20	24.00	
PERIOD		17.62750	ug/m^3		641250.00	4295160.00	24.00	1.20	24.00	
PERIOD		19.71498	ug/m^3		641270.00	4295160.00	24.00	1.20	24.00	
PERIOD		20.70518	ug/m^3		641290.00	4295160.00	24.00	1.20	24.00	
PERIOD		20.13051	ug/m^3		641310.00	4295160.00	24.00	1.20	24.00	
PERIOD		18.08550	ug/m^3		641330.00	4295160.00	24.00	1.20	24.00	
PERIOD		15.23941	ug/m^3		641350.00	4295160.00	24.00	1.20	24.00	
PERIOD		12.32248	ug/m^3		641370.00	4295160.00	24.00	1.20	24.00	
PERIOD		7.72149	ug/m^3		641410.00	4295160.00	24.00	1.20	24.00	

Project File: C:\Users\MikeRatte\Documents\Projects\Roseville Hayden Commercial Center\AERMOD\AERMOD.isc

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Sensitive Receptor Summary

C:\Users\MikeRatte\Documents\Projects\Moraga Camino Pablo\Revision 2

AIRTOXIC - Concentration - Source Group: POINT

Averaging Period	Rank	Peak	Units	Receptor ID	X (m)	Y (m)	ZELEV (m)	ZFLAG (m)	ZHILL (m)	Peak Date, Start Hour
PERIOD		6.19442	ug/m^3		641430.00	4295160.00	24.00	1.20	24.00	
PERIOD		5.07853	ug/m^3		641450.00	4295160.00	24.00	1.20	24.00	
PERIOD		4.25136	ug/m^3		641470.00	4295160.00	24.00	1.20	24.00	
PERIOD		3.61938	ug/m^3		641490.00	4295160.00	24.00	1.20	24.00	
PERIOD		3.12417	ug/m^3		641510.00	4295160.00	24.00	1.20	24.00	
PERIOD		2.72990	ug/m^3		641530.00	4295160.00	24.00	1.20	24.00	
PERIOD		2.41210	ug/m^3		641550.00	4295160.00	24.00	1.20	24.00	
PERIOD		2.15275	ug/m^3		641570.00	4295160.00	24.00	1.20	24.00	
PERIOD		3.90105	ug/m^3		641090.00	4295180.00	24.00	1.20	24.00	
PERIOD		4.57662	ug/m^3		641110.00	4295180.00	24.00	1.20	24.00	
PERIOD		5.43206	ug/m^3		641130.00	4295180.00	24.00	1.20	24.00	
PERIOD		6.51240	ug/m^3		641150.00	4295180.00	24.00	1.20	24.00	
PERIOD		7.85098	ug/m^3		641170.00	4295180.00	24.00	1.20	24.00	
PERIOD		9.44536	ug/m^3		641190.00	4295180.00	24.00	1.20	24.00	
PERIOD		11.24142	ug/m^3		641210.00	4295180.00	24.00	1.20	24.00	
PERIOD		13.12482	ug/m^3		641230.00	4295180.00	24.00	1.20	24.00	
PERIOD		14.89414	ug/m^3		641250.00	4295180.00	24.00	1.20	24.00	
PERIOD		16.23729	ug/m^3		641270.00	4295180.00	24.00	1.20	24.00	
PERIOD		16.78870	ug/m^3		641290.00	4295180.00	24.00	1.20	24.00	
PERIOD		16.30124	ug/m^3		641310.00	4295180.00	24.00	1.20	24.00	
PERIOD		14.84701	ug/m^3		641330.00	4295180.00	24.00	1.20	24.00	

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Sensitive Receptor Summary

C:\Users\MikeRatte\Documents\Projects\Moraga Camino Pablo\Revision 2

AIRTOXIC - Concentration - Source Group: POINT

Averaging Period	Rank	Peak	Units	Receptor ID	X (m)	Y (m)	ZELEV (m)	ZFLAG (m)	ZHILL (m)	Peak Date, Start Hour
PERIOD		12.82083	ug/m^3		641350.00	4295180.00	24.00	1.20	24.00	
PERIOD		10.67587	ug/m^3		641370.00	4295180.00	24.00	1.20	24.00	
PERIOD		7.04540	ug/m^3		641410.00	4295180.00	24.00	1.20	24.00	
PERIOD		5.73321	ug/m^3		641430.00	4295180.00	24.00	1.20	24.00	
PERIOD		4.73629	ug/m^3		641450.00	4295180.00	24.00	1.20	24.00	
PERIOD		3.98504	ug/m^3		641470.00	4295180.00	24.00	1.20	24.00	
PERIOD		3.40869	ug/m^3		641490.00	4295180.00	24.00	1.20	24.00	
PERIOD		2.95477	ug/m^3		641510.00	4295180.00	24.00	1.20	24.00	
PERIOD		2.58971	ug/m^3		641530.00	4295180.00	24.00	1.20	24.00	
PERIOD		2.29216	ug/m^3		641550.00	4295180.00	24.00	1.20	24.00	
PERIOD		3.84851	ug/m^3		641090.00	4295200.00	24.00	1.20	24.00	
PERIOD		4.49013	ug/m^3		641110.00	4295200.00	24.00	1.20	24.00	
PERIOD		5.28333	ug/m^3		641130.00	4295200.00	24.00	1.20	24.00	
PERIOD		6.24991	ug/m^3		641150.00	4295200.00	24.00	1.20	24.00	
PERIOD		7.39202	ug/m^3		641170.00	4295200.00	24.00	1.20	24.00	
PERIOD		8.68358	ug/m^3		641190.00	4295200.00	24.00	1.20	24.00	
PERIOD		10.06948	ug/m^3		641210.00	4295200.00	24.00	1.20	24.00	
PERIOD		11.45763	ug/m^3		641230.00	4295200.00	24.00	1.20	24.00	
PERIOD		12.69844	ug/m^3		641250.00	4295200.00	24.00	1.20	24.00	
PERIOD		13.58321	ug/m^3		641270.00	4295200.00	24.00	1.20	24.00	
PERIOD		13.89003	ug/m^3		641290.00	4295200.00	24.00	1.20	24.00	

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Sensitive Receptor Summary

C:\Users\MikeRatte\Documents\Projects\Moraga Camino Pablo\Revision 2

AIRTOXIC - Concentration - Source Group: POINT

Averaging Period	Rank	Peak	Units	Receptor ID	X (m)	Y (m)	ZELEV (m)	ZFLAG (m)	ZHILL (m)	Peak Date, Start Hour
PERIOD		13.48120	ug/m^3		641310.00	4295200.00	24.00	1.20	24.00	
PERIOD		12.40971	ug/m^3		641330.00	4295200.00	24.00	1.20	24.00	
PERIOD		10.92075	ug/m^3		641350.00	4295200.00	24.00	1.20	24.00	
PERIOD		9.30747	ug/m^3		641370.00	4295200.00	24.00	1.20	24.00	
PERIOD		6.42820	ug/m^3		641410.00	4295200.00	24.00	1.20	24.00	
PERIOD		5.31264	ug/m^3		641430.00	4295200.00	24.00	1.20	24.00	
PERIOD		4.42880	ug/m^3		641450.00	4295200.00	24.00	1.20	24.00	
PERIOD		3.74507	ug/m^3		641470.00	4295200.00	24.00	1.20	24.00	
PERIOD		3.21572	ug/m^3		641490.00	4295200.00	24.00	1.20	24.00	
PERIOD		2.79813	ug/m^3		641510.00	4295200.00	24.00	1.20	24.00	
PERIOD		2.46106	ug/m^3		641530.00	4295200.00	24.00	1.20	24.00	
PERIOD		4.38025	ug/m^3		641110.00	4295220.00	24.00	1.20	24.00	
PERIOD		5.10112	ug/m^3		641130.00	4295220.00	24.00	1.20	24.00	
PERIOD		5.94606	ug/m^3		641150.00	4295220.00	24.00	1.20	24.00	
PERIOD		6.90152	ug/m^3		641170.00	4295220.00	24.00	1.20	24.00	
PERIOD		7.93790	ug/m^3		641190.00	4295220.00	24.00	1.20	24.00	
PERIOD		9.00902	ug/m^3		641210.00	4295220.00	24.00	1.20	24.00	
PERIOD		10.04180	ug/m^3		641230.00	4295220.00	24.00	1.20	24.00	
PERIOD		10.92566	ug/m^3		641250.00	4295220.00	24.00	1.20	24.00	
PERIOD		11.52011	ug/m^3		641270.00	4295220.00	24.00	1.20	24.00	
PERIOD		11.68616	ug/m^3		641290.00	4295220.00	24.00	1.20	24.00	

Project File: C:\Users\MikeRatte\Documents\Projects\Roseville Hayden Commercial Center\AERMOD\AERMOD.isc

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Sensitive Receptor Summary

C:\Users\MikeRatte\Documents\Projects\Moraga Camino Pablo\Revision 2

AIRTOXIC - Concentration - Source Group: POINT

Averaging Period	Rank	Peak	Units	Receptor ID	X (m)	Y (m)	ZELEV (m)	ZFLAG (m)	ZHILL (m)	Peak Date, Start Hour
PERIOD		11.34344	ug/m^3		641310.00	4295220.00	24.00	1.20	24.00	
PERIOD		10.53063	ug/m^3		641330.00	4295220.00	24.00	1.20	24.00	
PERIOD		9.40666	ug/m^3		641350.00	4295220.00	24.00	1.20	24.00	
PERIOD		8.16797	ug/m^3		641370.00	4295220.00	24.00	1.20	24.00	
PERIOD		5.86613	ug/m^3		641410.00	4295220.00	24.00	1.20	24.00	
PERIOD		4.92400	ug/m^3		641430.00	4295220.00	24.00	1.20	24.00	
PERIOD		4.14790	ug/m^3		641450.00	4295220.00	24.00	1.20	24.00	
PERIOD		3.52842	ug/m^3		641470.00	4295220.00	24.00	1.20	24.00	
PERIOD		3.04040	ug/m^3		641490.00	4295220.00	24.00	1.20	24.00	
PERIOD		2.65356	ug/m^3		641510.00	4295220.00	24.00	1.20	24.00	
PERIOD		5.61582	ug/m^3		641150.00	4295240.00	24.00	1.20	24.00	
PERIOD		6.40614	ug/m^3		641170.00	4295240.00	24.00	1.20	24.00	
PERIOD		7.23614	ug/m^3		641190.00	4295240.00	24.00	1.20	24.00	
PERIOD		8.06827	ug/m^3		641210.00	4295240.00	24.00	1.20	24.00	
PERIOD		8.84433	ug/m^3		641230.00	4295240.00	24.00	1.20	24.00	
PERIOD		9.48305	ug/m^3		641250.00	4295240.00	24.00	1.20	24.00	
PERIOD		9.88887	ug/m^3		641270.00	4295240.00	24.00	1.20	24.00	
PERIOD		9.97198	ug/m^3		641290.00	4295240.00	24.00	1.20	24.00	
PERIOD		9.68347	ug/m^3		641310.00	4295240.00	24.00	1.20	24.00	
PERIOD		9.05176	ug/m^3		641330.00	4295240.00	24.00	1.20	24.00	
PERIOD		8.18362	ug/m^3		641350.00	4295240.00	24.00	1.20	24.00	

Project File: C:\Users\MikeRatte\Documents\Projects\Roseville Hayden Commercial Center\AERMOD\AERMOD.isc

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Sensitive Receptor Summary

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AIRTOXIC - Concentration - Source Group: POINT

Averaging Period	Rank	Peak	Units	Receptor ID	X (m)	Y (m)	ZELEV (m)	ZFLAG (m)	ZHILL (m)	Peak Date, Start Hour
PERIOD		7.21474	ug/m^3		641370.00	4295240.00	24.00	1.20	24.00	
PERIOD		5.35706	ug/m^3		641410.00	4295240.00	24.00	1.20	24.00	
PERIOD		4.56344	ug/m^3		641430.00	4295240.00	24.00	1.20	24.00	
PERIOD		3.88733	ug/m^3		641450.00	4295240.00	24.00	1.20	24.00	
PERIOD		3.33032	ug/m^3		641470.00	4295240.00	24.00	1.20	24.00	
PERIOD		2.88124	ug/m^3		641490.00	4295240.00	24.00	1.20	24.00	
PERIOD		5.92518	ug/m^3		641170.00	4295260.00	24.00	1.20	24.00	
PERIOD		6.59145	ug/m^3		641190.00	4295260.00	24.00	1.20	24.00	
PERIOD		7.24208	ug/m^3		641210.00	4295260.00	24.00	1.20	24.00	
PERIOD		7.83094	ug/m^3		641230.00	4295260.00	24.00	1.20	24.00	
PERIOD		8.29860	ug/m^3		641250.00	4295260.00	24.00	1.20	24.00	
PERIOD		8.57907	ug/m^3		641270.00	4295260.00	24.00	1.20	24.00	
PERIOD		8.61253	ug/m^3		641290.00	4295260.00	24.00	1.20	24.00	
PERIOD		8.36814	ug/m^3		641310.00	4295260.00	24.00	1.20	24.00	
PERIOD		7.86702	ug/m^3		641330.00	4295260.00	24.00	1.20	24.00	
PERIOD		7.18312	ug/m^3		641350.00	4295260.00	24.00	1.20	24.00	
PERIOD		6.41262	ug/m^3		641370.00	4295260.00	24.00	1.20	24.00	
PERIOD		4.89839	ug/m^3		641410.00	4295260.00	24.00	1.20	24.00	
PERIOD		4.22946	ug/m^3		641430.00	4295260.00	24.00	1.20	24.00	
PERIOD		3.64344	ug/m^3		641450.00	4295260.00	24.00	1.20	24.00	
PERIOD		6.51968	ug/m^3		641210.00	4295280.00	24.00	1.20	24.00	

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Sensitive Receptor Summary

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AIRTOXIC - Concentration - Source Group: POINT

Averaging Period	Rank	Peak	Units	Receptor ID	X (m)	Y (m)	ZELEV (m)	ZFLAG (m)	ZHILL (m)	Peak Date, Start Hour
PERIOD		6.97067	ug/m^3		641230.00	4295280.00	24.00	1.20	24.00	
PERIOD		7.31714	ug/m^3		641250.00	4295280.00	24.00	1.20	24.00	
PERIOD		7.51266	ug/m^3		641270.00	4295280.00	24.00	1.20	24.00	
PERIOD		7.51623	ug/m^3		641290.00	4295280.00	24.00	1.20	24.00	
PERIOD		7.30777	ug/m^3		641310.00	4295280.00	24.00	1.20	24.00	
PERIOD		6.90322	ug/m^3		641330.00	4295280.00	24.00	1.20	24.00	
PERIOD		6.35513	ug/m^3		641350.00	4295280.00	24.00	1.20	24.00	
PERIOD		5.73326	ug/m^3		641370.00	4295280.00	24.00	1.20	24.00	
PERIOD		4.48671	ug/m^3		641410.00	4295280.00	24.00	1.20	24.00	
PERIOD		32.04389	ug/m^3	1	641241.06	4295025.57	24.32	1.20	24.32	
PERIOD		18.23145	ug/m^3	1	641401.10	4294998.59	24.12	1.20	24.12	
PERIOD		16.42843	ug/m^3	1	641403.80	4295029.16	24.00	1.20	24.00	
PERIOD		12.33271	ug/m^3	1	641422.68	4295009.38	24.00	1.20	24.00	
PERIOD		9.15012	ug/m^3	1	641442.46	4295023.77	24.00	1.20	24.00	
PERIOD		21.40810	ug/m^3	1	641400.20	4294968.02	24.45	1.20	24.45	
PERIOD		4.51681	ug/m^3	1	641402.90	4294665.02	27.72	1.20	27.72	
PERIOD		5.79711	ug/m^3	1	641231.41	4294780.46	26.44	1.20	26.44	

Sensitive Receptor Summary

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AIRTOXIC - Concentration - Source Group: VOLUME

Averaging Period	Rank	Peak	Units	Receptor ID	X (m)	Y (m)	ZELEV (m)	ZFLAG (m)	ZHILL (m)	Peak Date, Start Hour
1-HR	1ST	5358.91015	ug/m^3	1	641232.59	4295000.70	24.59	1.20	24.59	1/14/2016, 9
1-HR	1ST	5700.29851	ug/m^3	1	641234.02	4294983.60	24.76	1.20	24.76	2/23/2017, 8
1-HR	1ST	5341.66529	ug/m^3	1	641231.88	4294967.21	24.97	1.20	24.97	1/9/2015, 9
1-HR	1ST	4855.62072	ug/m^3	1	641233.31	4294945.83	25.18	1.20	25.18	12/6/2014, 17
1-HR	1ST	4513.66368	ug/m^3	1	641234.02	4294923.74	25.42	1.20	25.42	1/1/2015, 9
1-HR	1ST	3612.55832	ug/m^3	1	641226.18	4294909.49	25.65	1.20	25.65	12/16/2015, 8
1-HR	1ST	3146.24585	ug/m^3	1	641194.82	4294899.51	25.94	1.20	25.94	1/1/2015, 9
1-HR	1ST	2467.96849	ug/m^3	1	641178.43	4294903.07	25.73	1.20	25.73	12/8/2015, 18
1-HR	1ST	2274.35105	ug/m^3	1	641157.77	4294905.92	25.46	1.20	25.46	12/6/2014, 17
1-HR	1ST	1983.09589	ug/m^3	1	641141.38	4294913.76	25.19	1.20	25.19	1/28/2018, 7
1-HR	1ST	1834.93330	ug/m^3	1	641113.58	4294921.60	24.81	1.20	24.81	1/9/2015, 9
1-HR	1ST	2943.70863	ug/m^3	1	641189.12	4294940.84	25.60	1.20	25.60	1/9/2015, 9
1-HR	1ST	3184.42614	ug/m^3	1	641190.55	4294955.81	25.48	1.20	25.48	1/9/2015, 9
1-HR	1ST	3448.83142	ug/m^3	1	641189.12	4294980.04	25.24	1.20	25.24	2/23/2017, 8
1-HR	1ST	2675.20906	ug/m^3	1	641168.46	4294989.30	25.10	1.20	25.10	12/13/2017, 18
1-HR	1ST	3740.50006	ug/m^3	1	641210.50	4295026.36	24.64	1.20	24.64	2/25/2016, 18
1-HR	1ST	3021.06543	ug/m^3	1	641188.41	4295030.63	24.73	1.20	24.73	2/25/2016, 18
1-HR	1ST	2587.18113	ug/m^3	1	641171.31	4295034.20	24.69	1.20	24.69	2/25/2016, 18
1-HR	1ST	2228.64068	ug/m^3	1	641154.20	4295042.04	24.60	1.20	24.60	2/25/2016, 18
1-HR	1ST	1945.82653	ug/m^3	1	641136.39	4295047.74	24.53	1.20	24.53	2/25/2016, 18
1-HR	1ST	1735.34074	ug/m^3	1	641119.29	4295052.01	24.45	1.20	24.45	2/25/2016, 18

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AIRTOXIC - Concentration - Source Group: VOLUME

Averaging Period	Rank	Peak	Units	Receptor ID	X (m)	Y (m)	ZELEV (m)	ZFLAG (m)	ZHILL (m)	Peak Date, Start Hour
1-HR	1ST	1332.85194	ug/m^3	1	641069.40	4295042.04	24.13	1.20	24.13	12/21/2016, 17
1-HR	1ST	1189.91796	ug/m^3	1	641045.17	4295034.91	24.00	1.20	24.00	1/21/2016, 17
1-HR	1ST	1130.74120	ug/m^3	1	641030.92	4295017.09	24.00	1.20	24.00	2/8/2018, 7
1-HR	1ST	1151.27026	ug/m^3	1	641013.82	4295006.40	24.00	1.20	24.00	1/14/2016, 9
1-HR	1ST	1036.07058	ug/m^3	1	641005.26	4294991.44	24.00	1.20	24.00	1/14/2016, 9
1-HR	1ST	972.61793	ug/m^3	1	640991.01	4294977.90	24.00	1.20	24.00	1/13/2015, 8
1-HR	1ST	997.21424	ug/m^3	1	640978.18	4294960.80	24.00	1.20	24.00	2/23/2017, 8
1-HR	1ST	913.27833	ug/m^3	1	640971.06	4294941.55	24.00	1.20	24.00	12/25/2017, 8
1-HR	1ST	896.23551	ug/m^3	1	640967.50	4294920.18	24.00	1.20	24.00	1/28/2018, 8
1-HR	1ST	872.73711	ug/m^3	1	640968.21	4294903.79	24.00	1.20	24.00	12/6/2017, 17
1-HR	1ST	883.85334	ug/m^3	1	640974.62	4294883.12	24.00	1.20	24.00	1/9/2015, 9
1-HR	1ST	2469.85101	ug/m^3	1	641153.49	4294992.15	25.05	1.20	25.05	1/14/2016, 9
1-HR	1ST	2247.54173	ug/m^3	1	641134.96	4294997.14	25.01	1.20	25.01	1/14/2016, 9
1-HR	1ST	1987.21208	ug/m^3	1	641117.15	4295002.13	24.88	1.20	24.88	1/14/2016, 9
1-HR	1ST	1733.47032	ug/m^3	1	641097.91	4295005.69	24.60	1.20	24.60	1/14/2016, 9
1-HR	1ST	1568.08265	ug/m^3	1	641077.95	4294996.43	24.34	1.20	24.34	1/14/2016, 9
1-HR	1ST	1333.59850	ug/m^3	1	641059.42	4294986.45	24.08	1.20	24.08	12/13/2017, 18
1-HR	1ST	1376.50610	ug/m^3	1	641049.45	4294971.49	24.00	1.20	24.00	2/23/2017, 8
1-HR	1ST	1210.06585	ug/m^3	1	641035.20	4294959.37	24.00	1.20	24.00	2/23/2017, 8
1-HR	1ST	1113.34246	ug/m^3	1	641018.09	4294945.83	24.00	1.20	24.00	12/25/2017, 8
1-HR	1ST	1046.12181	ug/m^3	1	641010.97	4294922.31	24.00	1.20	24.00	12/6/2017, 17

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AIRTOXIC - Concentration - Source Group: VOLUME

Averaging Period	Rank	Peak	Units	Receptor ID	X (m)	Y (m)	ZELEV (m)	ZFLAG (m)	ZHILL (m)	Peak Date, Start Hour
1-HR	1ST	1025.27704	ug/m^3	1	641015.24	4294899.51	24.00	1.20	24.00	1/9/2015, 9
1-HR	1ST	1113.79209	ug/m^3	1	641027.36	4294882.41	24.00	1.20	24.00	1/9/2015, 9
1-HR	1ST	1237.93710	ug/m^3	1	641045.88	4294904.50	24.00	1.20	24.00	1/9/2015, 9
1-HR	1ST	1302.10170	ug/m^3	1	641059.42	4294923.74	24.06	1.20	24.06	1/19/2015, 8
1-HR	1ST	1371.14952	ug/m^3	1	641065.84	4294936.57	24.16	1.20	24.16	1/28/2018, 8
1-HR	1ST	1469.96501	ug/m^3	1	641075.82	4294952.96	24.30	1.20	24.30	12/25/2017, 8
1-HR	1ST	1720.42071	ug/m^3	1	641096.48	4294968.63	24.59	1.20	24.59	2/23/2017, 8
1-HR	1ST	1918.55651	ug/m^3	1	641115.72	4294970.06	24.85	1.20	24.85	2/23/2017, 8
1-HR	1ST	2064.76775	ug/m^3	1	641133.54	4294961.51	25.05	1.20	25.05	12/25/2017, 8
1-HR	1ST	2346.46061	ug/m^3	1	641151.35	4294957.23	25.18	1.20	25.18	1/28/2018, 8
1-HR	1ST	2558.33963	ug/m^3	1	641168.46	4294950.11	25.34	1.20	25.34	1/9/2015, 9
1-HR	1ST	1514.34629	ug/m^3	1	641102.90	4294904.50	24.71	1.20	24.71	1/9/2015, 9
1-HR	1ST	1456.93528	ug/m^3	1	641092.92	4294892.38	24.63	1.20	24.63	1/28/2018, 7
1-HR	1ST	1682.30503	ug/m^3	1	641115.01	4294882.41	25.08	1.20	25.08	12/6/2014, 17
1-HR	1ST	1655.20920	ug/m^3	1	641126.41	4294870.29	25.42	1.20	25.42	12/8/2015, 18
1-HR	1ST	2369.46173	ug/m^3	1	641172.73	4294872.43	25.78	1.20	25.78	1/1/2015, 9
1-HR	1ST	2955.87132	ug/m^3	1	641226.89	4294874.57	25.79	1.20	25.79	2/19/2015, 8
1-HR	1ST	2531.39468	ug/m^3	1	641231.88	4294854.61	25.85	1.20	25.85	1/28/2017, 7
1-HR	1ST	2356.35631	ug/m^3	1	641228.32	4294836.09	25.94	1.20	25.94	12/14/2014, 9
1-HR	1ST	1869.66799	ug/m^3	1	641179.86	4294834.66	25.95	1.20	25.95	1/30/2018, 18
1-HR	1ST	2011.97890	ug/m^3	1	641172.02	4294854.61	25.85	1.20	25.85	1/3/2015, 7

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AIRTOXIC - Concentration - Source Group: VOLUME

Averaging Period	Rank	Peak	Units	Receptor ID	X (m)	Y (m)	ZELEV (m)	ZFLAG (m)	ZHILL (m)	Peak Date, Start Hour
1-HR	1ST	2023.12885	ug/m^3	1	641140.66	4294858.18	25.65	1.20	25.65	1/1/2015, 9
1-HR	1ST	1249.21911	ug/m^3	1	641071.54	4294862.45	24.33	1.20	24.33	12/6/2014, 17
1-HR	1ST	1232.77279	ug/m^3	1	641058.00	4294848.91	24.04	1.20	24.04	12/6/2014, 17
1-HR	1ST	1132.27009	ug/m^3	1	641039.47	4294836.80	24.00	1.20	24.00	12/6/2014, 17
1-HR	1ST	892.98736	ug/m^3	1	640999.56	4294821.12	24.00	1.20	24.00	12/6/2014, 17
1-HR	1ST	960.50273	ug/m^3	1	641009.54	4294804.73	24.00	1.20	24.00	12/6/2014, 17
1-HR	1ST	1102.68578	ug/m^3	1	641043.03	4294767.67	24.00	1.20	24.00	1/1/2015, 9
1-HR	1ST	1042.99866	ug/m^3	1	641062.99	4294759.12	24.19	1.20	24.19	12/16/2015, 8
1-HR	1ST	1059.19540	ug/m^3	1	641078.67	4294748.43	24.79	1.20	24.79	2/19/2015, 7
1-HR	1ST	1033.69210	ug/m^3	1	641093.63	4294738.46	25.41	1.20	25.41	1/18/2014, 7
1-HR	1ST	1115.78322	ug/m^3	1	641112.16	4294730.62	26.20	1.20	26.20	2/19/2015, 8
1-HR	1ST	1035.73649	ug/m^3	1	641127.84	4294722.06	26.94	1.20	26.94	12/6/2017, 8
1-HR	1ST	1047.97969	ug/m^3	1	641149.93	4294714.23	27.14	1.20	27.14	1/28/2017, 7
1-HR	1ST	1157.93153	ug/m^3	1	641169.17	4294713.51	27.15	1.20	27.15	12/14/2014, 9
1-HR	1ST	1247.26611	ug/m^3	1	641185.56	4294714.94	27.14	1.20	27.14	12/14/2014, 9
1-HR	1ST	1069.82991	ug/m^3	1	641206.23	4294714.23	27.15	1.20	27.15	1/14/2016, 8
1-HR	1ST	1402.79951	ug/m^3	1	641236.87	4294744.87	26.83	1.20	26.83	1/15/2015, 7
1-HR	1ST	1461.27587	ug/m^3	1	641232.59	4294760.55	26.66	1.20	26.66	1/15/2015, 7
1-HR	1ST	1538.36995	ug/m^3	1	641231.17	4294780.50	26.44	1.20	26.44	12/20/2018, 8
1-HR	1ST	2271.33768	ug/m^3	1	641230.46	4294817.56	26.04	1.20	26.04	12/14/2014, 9
1-HR	1ST	1944.01289	ug/m^3	1	641229.74	4294800.45	26.23	1.20	26.23	12/14/2014, 9

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Sensitive Receptor Summary

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AIRTOXIC - Concentration - Source Group: VOLUME

Averaging Period	Rank	Peak	Units	Receptor ID	X (m)	Y (m)	ZELEV (m)	ZFLAG (m)	ZHILL (m)	Peak Date, Start Hour
1-HR	1ST	1597.94529	ug/m^3	1	641189.84	4294791.19	26.32	1.20	26.32	2/16/2016, 7
1-HR	1ST	1426.74541	ug/m^3	1	641190.55	4294764.82	26.60	1.20	26.60	12/14/2014, 9
1-HR	1ST	1344.18428	ug/m^3	1	641167.03	4294761.26	26.64	1.20	26.64	2/16/2016, 7
1-HR	1ST	1540.70589	ug/m^3	1	641169.17	4294792.61	26.30	1.20	26.30	1/24/2016, 8
1-HR	1ST	1419.70437	ug/m^3	1	641148.50	4294796.18	26.26	1.20	26.26	1/30/2018, 18
1-HR	1ST	1459.91822	ug/m^3	1	641132.83	4294806.87	26.14	1.20	26.14	2/19/2015, 7
1-HR	1ST	1229.64974	ug/m^3	1	641127.12	4294773.37	26.40	1.20	26.40	1/30/2018, 18
1-HR	1ST	1302.97050	ug/m^3	1	641144.23	4294762.68	26.62	1.20	26.62	2/19/2015, 8
1-HR	1ST	1260.40377	ug/m^3	1	641110.02	4294780.50	25.76	1.20	25.76	2/19/2015, 7
1-HR	1ST	1238.75274	ug/m^3	1	641092.21	4294792.61	25.11	1.20	25.11	12/16/2015, 8
1-HR	1ST	1409.94948	ug/m^3	1	641114.30	4294815.42	25.62	1.20	25.62	12/16/2015, 8
1-HR	1ST	1572.17618	ug/m^3	1	641101.47	4294826.82	25.19	1.20	25.19	1/1/2015, 9
1-HR	1ST	1306.92946	ug/m^3	1	641085.08	4294840.36	24.70	1.20	24.70	12/8/2015, 18
1-HR	1ST	1127.49148	ug/m^3	1	641056.57	4294814.71	24.00	1.20	24.00	12/8/2015, 18
1-HR	1ST	1360.92508	ug/m^3	1	641075.82	4294804.02	24.56	1.20	24.56	1/1/2015, 9
1-HR	1ST	2387.97226	ug/m^3	1	641269.65	4294836.09	25.86	1.20	25.86	1/15/2015, 7
1-HR	1ST	2743.37004	ug/m^3	1	641319.53	4294845.35	25.76	1.20	25.76	2/25/2015, 8
1-HR	1ST	2611.73015	ug/m^3	1	641353.74	4294848.91	25.73	1.20	25.73	2/23/2014, 7
1-HR	1ST	1787.36478	ug/m^3	1	641370.84	4294797.60	26.28	1.20	26.28	2/23/2014, 7
1-HR	1ST	1771.45269	ug/m^3	1	641320.25	4294788.34	26.37	1.20	26.37	12/19/2016, 7
1-HR	1ST	1743.66854	ug/m^3	1	641269.65	4294779.79	26.46	1.20	26.46	12/21/2018, 9

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Sensitive Receptor Summary

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AIRTOXIC - Concentration - Source Group: VOLUME

Averaging Period	Rank	Peak	Units	Receptor ID	X (m)	Y (m)	ZELEV (m)	ZFLAG (m)	ZHILL (m)	Peak Date, Start Hour
1-HR	1ST	1522.10342	ug/m^3	1	641271.79	4294750.57	26.77	1.20	26.77	1/22/2015, 17
1-HR	1ST	1479.49584	ug/m^3	1	641333.79	4294749.86	26.79	1.20	26.79	2/25/2015, 8
1-HR	1ST	1291.43039	ug/m^3	1	641387.95	4294741.31	26.90	1.20	26.90	2/23/2014, 7
1-HR	1ST	1177.64867	ug/m^3	1	641374.41	4294711.38	27.22	1.20	27.22	12/18/2016, 8
1-HR	1ST	1110.55658	ug/m^3	1	641353.03	4294698.55	27.35	1.20	27.35	12/7/2015, 8
1-HR	1ST	1046.15036	ug/m^3	1	641323.10	4294687.86	27.46	1.20	27.46	12/31/2015, 8
1-HR	1ST	1157.61068	ug/m^3	1	641271.08	4294699.97	27.32	1.20	27.32	1/22/2015, 17
1-HR	1ST	1029.67039	ug/m^3	1	641276.78	4294670.04	27.64	1.20	27.64	1/12/2018, 7
1-HR	1ST	3287.54461	ug/m^3	1	641405.76	4294944.41	24.70	1.20	24.70	12/24/2016, 8
1-HR	1ST	2659.25817	ug/m^3	1	641430.71	4294945.83	24.69	1.20	24.69	2/15/2015, 8
1-HR	1ST	2267.37770	ug/m^3	1	641449.23	4294941.55	24.74	1.20	24.74	2/15/2015, 8
1-HR	1ST	1875.91888	ug/m^3	1	641470.61	4294942.98	24.73	1.20	24.73	1/16/2017, 9
1-HR	1ST	2156.19197	ug/m^3	1	641461.35	4294992.86	24.19	1.20	24.19	1/20/2015, 7
1-HR	1ST	1836.46848	ug/m^3	1	641481.30	4294991.44	24.21	1.20	24.21	1/20/2015, 7
1-HR	1ST	1604.46448	ug/m^3	1	641499.83	4294990.73	24.22	1.20	24.22	1/20/2015, 7
1-HR	1ST	1377.59087	ug/m^3	1	641519.78	4294986.45	24.27	1.20	24.27	1/29/2018, 8
1-HR	1ST	1227.20600	ug/m^3	1	641540.45	4294987.88	24.26	1.20	24.26	1/20/2015, 7
1-HR	1ST	1077.57279	ug/m^3	1	641561.83	4294981.46	24.33	1.20	24.33	1/29/2018, 8
1-HR	1ST	957.65427	ug/m^3	1	641583.92	4294978.61	24.25	1.20	24.25	12/17/2018, 18
1-HR	1ST	863.29963	ug/m^3	1	641608.86	4294973.62	24.14	1.20	24.14	2/17/2014, 7
1-HR	1ST	805.50024	ug/m^3	1	641617.41	4294949.39	24.15	1.20	24.15	1/26/2014, 8

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AIRTOXIC - Concentration - Source Group: VOLUME

Averaging Period	Rank	Peak	Units	Receptor ID	X (m)	Y (m)	ZELEV (m)	ZFLAG (m)	ZHILL (m)	Peak Date, Start Hour
1-HR	1ST	783.42180	ug/m^3	1	641616.70	4294926.59	24.22	1.20	24.22	1/16/2017, 9
1-HR	1ST	833.83382	ug/m^3	1	641618.13	4294907.35	24.34	1.20	24.34	1/16/2017, 9
1-HR	1ST	808.98792	ug/m^3	1	641615.99	4294886.68	24.53	1.20	24.53	2/15/2015, 8
1-HR	1ST	761.49312	ug/m^3	1	641617.41	4294870.29	24.66	1.20	24.66	2/15/2015, 8
1-HR	1ST	744.04235	ug/m^3	1	641613.14	4294840.36	24.91	1.20	24.91	12/24/2016, 8
1-HR	1ST	1039.93295	ug/m^3	1	641564.68	4294935.14	24.80	1.20	24.80	1/16/2017, 9
1-HR	1ST	1015.47991	ug/m^3	1	641564.68	4294914.47	24.96	1.20	24.96	1/16/2017, 9
1-HR	1ST	1000.13744	ug/m^3	1	641566.10	4294893.81	24.96	1.20	24.96	2/15/2015, 8
1-HR	1ST	920.06868	ug/m^3	1	641568.96	4294875.28	24.95	1.20	24.95	12/24/2016, 8
1-HR	1ST	961.82864	ug/m^3	1	641568.24	4294854.61	24.98	1.20	24.98	12/6/2017, 7
1-HR	1ST	920.72238	ug/m^3	1	641562.54	4294834.66	25.01	1.20	25.01	12/6/2017, 7
1-HR	1ST	1185.90826	ug/m^3	1	641526.91	4294832.52	25.47	1.20	25.47	12/7/2018, 17
1-HR	1ST	1184.59232	ug/m^3	1	641521.92	4294853.19	25.40	1.20	25.40	12/27/2014, 18
1-HR	1ST	1305.89268	ug/m^3	1	641519.07	4294876.71	25.27	1.20	25.27	12/6/2017, 7
1-HR	1ST	1227.44068	ug/m^3	1	641519.78	4294895.95	25.15	1.20	25.15	12/24/2016, 8
1-HR	1ST	1365.29472	ug/m^3	1	641515.51	4294916.61	25.02	1.20	25.02	2/15/2015, 8
1-HR	1ST	1448.09386	ug/m^3	1	641514.08	4294937.99	24.79	1.20	24.79	1/16/2017, 9
1-HR	1ST	1852.69778	ug/m^3	1	641469.19	4294903.79	25.15	1.20	25.15	12/6/2017, 7
1-HR	1ST	1990.62732	ug/m^3	1	641451.37	4294900.22	25.19	1.20	25.19	12/27/2014, 18
1-HR	1ST	2444.77607	ug/m^3	1	641429.99	4294899.51	25.19	1.20	25.19	12/7/2018, 17
1-HR	1ST	2973.35514	ug/m^3	1	641405.76	4294895.95	25.23	1.20	25.23	1/12/2015, 9

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AIRTOXIC - Concentration - Source Group: VOLUME

Averaging Period	Rank	Peak	Units	Receptor ID	X (m)	Y (m)	ZELEV (m)	ZFLAG (m)	ZHILL (m)	Peak Date, Start Hour
1-HR	1ST	1976.15222	ug/m^3	1	641418.59	4294841.07	25.82	1.20	25.82	2/17/2018, 8
1-HR	1ST	1668.59662	ug/m^3	1	641441.39	4294836.09	25.88	1.20	25.88	1/29/2017, 18
1-HR	1ST	1593.53197	ug/m^3	1	641476.31	4294852.48	25.71	1.20	25.71	1/12/2015, 9
1-HR	1ST	1558.97249	ug/m^3	1	641474.89	4294831.10	25.94	1.20	25.94	1/12/2015, 9
1-HR	1ST	1237.17947	ug/m^3	1	641464.20	4294774.09	26.21	1.20	26.21	2/17/2018, 8
1-HR	1ST	1131.56543	ug/m^3	1	641487.72	4294781.21	26.03	1.20	26.03	1/29/2017, 18
1-HR	1ST	1106.43830	ug/m^3	1	641507.67	4294784.78	25.88	1.20	25.88	1/10/2015, 7
1-HR	1ST	1143.96683	ug/m^3	1	641530.47	4294788.34	25.69	1.20	25.69	1/12/2015, 9
1-HR	1ST	1001.42577	ug/m^3	1	641549.00	4294787.63	25.54	1.20	25.54	1/12/2015, 9
1-HR	1ST	900.60441	ug/m^3	1	641571.09	4294789.76	25.37	1.20	25.37	12/7/2018, 17
1-HR	1ST	911.99368	ug/m^3	1	641571.09	4294749.14	25.77	1.20	25.77	1/12/2015, 9
1-HR	1ST	891.93385	ug/m^3	1	641547.58	4294751.28	25.86	1.20	25.86	1/10/2015, 7
1-HR	1ST	900.97791	ug/m^3	1	641526.20	4294748.43	25.93	1.20	25.93	1/15/2017, 18
1-HR	1ST	1006.35861	ug/m^3	1	641499.12	4294742.02	25.99	1.20	25.99	2/17/2018, 8
1-HR	1ST	1012.16860	ug/m^3	1	641479.16	4294732.04	26.20	1.20	26.20	1/17/2014, 8
1-HR	1ST	1038.40676	ug/m^3	1	641459.21	4294727.77	26.52	1.20	26.52	1/10/2015, 18
1-HR	1ST	824.18348	ug/m^3	1	641487.72	4294665.77	26.82	1.20	26.82	2/11/2016, 8
1-HR	1ST	799.51660	ug/m^3	1	641506.96	4294681.44	26.57	1.20	26.57	1/17/2014, 8
1-HR	1ST	834.54889	ug/m^3	1	641526.20	4294698.55	26.38	1.20	26.38	2/17/2018, 8
1-HR	1ST	766.43230	ug/m^3	1	641547.58	4294702.82	26.34	1.20	26.34	1/29/2017, 18
1-HR	1ST	711.88074	ug/m^3	1	641567.53	4294700.69	26.34	1.20	26.34	1/15/2017, 18

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AIRTOXIC - Concentration - Source Group: VOLUME

Averaging Period	Rank	Peak	Units	Receptor ID	X (m)	Y (m)	ZELEV (m)	ZFLAG (m)	ZHILL (m)	Peak Date, Start Hour
1-HR	1ST	643.65069	ug/m^3	1	641571.09	4294652.94	26.82	1.20	26.82	2/17/2018, 8
1-HR	1ST	681.73700	ug/m^3	1	641548.29	4294651.51	26.90	1.20	26.90	2/17/2018, 8
1-HR	1ST	679.88790	ug/m^3	1	641534.04	4294641.54	27.00	1.20	27.00	1/17/2014, 8
1-HR	1ST	726.18492	ug/m^3	1	641504.82	4294635.84	27.06	1.20	27.06	2/11/2016, 8
1-HR	1ST	763.95183	ug/m^3	1	641610.29	4294789.05	25.15	1.20	25.15	12/27/2014, 18
1-HR	1ST	730.88470	ug/m^3	1	641610.29	4294749.86	25.31	1.20	25.31	12/13/2017, 7
1-HR	1ST	706.38328	ug/m^3	1	641611.00	4294697.84	25.78	1.20	25.78	1/12/2015, 9
1-HR	1ST	610.70442	ug/m^3	1	641618.13	4294666.48	26.03	1.20	26.03	1/10/2015, 7
1-HR	1ST	566.89672	ug/m^3	1	641615.99	4294645.81	26.29	1.20	26.29	1/15/2017, 18
1-HR	1ST	586.42422	ug/m^3	1	641565.39	4294603.06	27.42	1.20	27.42	1/17/2014, 8
1-HR	1ST	542.61870	ug/m^3	1	641618.13	4294620.16	26.72	1.20	26.72	1/29/2017, 18
1-HR	1ST	1237.58242	ug/m^3		641050.00	4295060.00	24.00	1.20	24.00	1/20/2014, 17
1-HR	1ST	1318.71118	ug/m^3		641070.00	4295060.00	24.09	1.20	24.09	1/20/2014, 17
1-HR	1ST	1252.62393	ug/m^3		641550.00	4295060.00	24.00	1.20	24.00	2/9/2018, 8
1-HR	1ST	1157.68586	ug/m^3		641570.00	4295060.00	24.00	1.20	24.00	12/27/2015, 7
1-HR	1ST	1062.57828	ug/m^3		641590.00	4295060.00	24.00	1.20	24.00	1/15/2014, 17
1-HR	1ST	1002.24606	ug/m^3		641610.00	4295060.00	24.00	1.20	24.00	1/15/2014, 17
1-HR	1ST	3478.51391	ug/m^3		641270.00	4295080.00	24.00	1.20	24.00	2/14/2015, 7
1-HR	1ST	3895.39716	ug/m^3		641290.00	4295080.00	24.00	1.20	24.00	12/30/2016, 8
1-HR	1ST	4018.76487	ug/m^3		641310.00	4295080.00	24.00	1.20	24.00	2/11/2014, 7
1-HR	1ST	3603.19064	ug/m^3		641330.00	4295080.00	24.00	1.20	24.00	12/6/2016, 8

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AIRTOXIC - Concentration - Source Group: VOLUME

Averaging Period	Rank	Peak	Units	Receptor ID	X (m)	Y (m)	ZELEV (m)	ZFLAG (m)	ZHILL (m)	Peak Date, Start Hour
1-HR	1ST	3659.61812	ug/m^3		641350.00	4295080.00	24.00	1.20	24.00	1/5/2015, 17
1-HR	1ST	3326.00884	ug/m^3		641370.00	4295080.00	24.00	1.20	24.00	1/11/2018, 7
1-HR	1ST	2293.63784	ug/m^3		641410.00	4295080.00	24.00	1.20	24.00	2/27/2016, 8
1-HR	1ST	2359.74242	ug/m^3		641430.00	4295080.00	24.00	1.20	24.00	1/21/2015, 9
1-HR	1ST	2062.92775	ug/m^3		641450.00	4295080.00	24.00	1.20	24.00	1/21/2015, 9
1-HR	1ST	1947.66361	ug/m^3		641470.00	4295080.00	24.00	1.20	24.00	1/21/2015, 7
1-HR	1ST	1664.54123	ug/m^3		641490.00	4295080.00	24.00	1.20	24.00	12/25/2017, 7
1-HR	1ST	1543.03743	ug/m^3		641510.00	4295080.00	24.00	1.20	24.00	12/25/2017, 7
1-HR	1ST	1410.88718	ug/m^3		641530.00	4295080.00	24.00	1.20	24.00	12/8/2014, 17
1-HR	1ST	1257.31746	ug/m^3		641550.00	4295080.00	24.00	1.20	24.00	12/14/2014, 8
1-HR	1ST	1171.95992	ug/m^3		641570.00	4295080.00	24.00	1.20	24.00	2/9/2018, 8
1-HR	1ST	1070.28995	ug/m^3		641590.00	4295080.00	24.00	1.20	24.00	2/9/2018, 8
1-HR	1ST	2035.35686	ug/m^3		641190.00	4295100.00	24.00	1.20	24.00	1/15/2018, 8
1-HR	1ST	2303.02028	ug/m^3		641210.00	4295100.00	24.00	1.20	24.00	2/13/2015, 7
1-HR	1ST	2580.51156	ug/m^3		641230.00	4295100.00	24.00	1.20	24.00	1/27/2014, 7
1-HR	1ST	2660.01901	ug/m^3		641250.00	4295100.00	24.00	1.20	24.00	12/19/2017, 7
1-HR	1ST	2890.27228	ug/m^3		641270.00	4295100.00	24.00	1.20	24.00	11/21/2016, 17
1-HR	1ST	2958.10282	ug/m^3		641290.00	4295100.00	24.00	1.20	24.00	1/1/2014, 7
1-HR	1ST	3135.06706	ug/m^3		641310.00	4295100.00	24.00	1.20	24.00	2/11/2014, 7
1-HR	1ST	3035.34816	ug/m^3		641330.00	4295100.00	24.00	1.20	24.00	12/6/2016, 8
1-HR	1ST	2952.01574	ug/m^3		641350.00	4295100.00	24.00	1.20	24.00	10/28/2014, 17

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AIRTOXIC - Concentration - Source Group: VOLUME

Averaging Period	Rank	Peak	Units	Receptor ID	X (m)	Y (m)	ZELEV (m)	ZFLAG (m)	ZHILL (m)	Peak Date, Start Hour
1-HR	1ST	2701.91445	ug/m^3		641370.00	4295100.00	24.00	1.20	24.00	1/11/2018, 7
1-HR	1ST	2186.95717	ug/m^3		641410.00	4295100.00	24.00	1.20	24.00	2/2/2015, 7
1-HR	1ST	1707.65139	ug/m^3		641430.00	4295100.00	24.00	1.20	24.00	2/27/2016, 8
1-HR	1ST	1754.28232	ug/m^3		641450.00	4295100.00	24.00	1.20	24.00	1/21/2015, 9
1-HR	1ST	1743.88800	ug/m^3		641470.00	4295100.00	24.00	1.20	24.00	1/21/2015, 9
1-HR	1ST	1569.65944	ug/m^3		641490.00	4295100.00	24.00	1.20	24.00	1/21/2015, 7
1-HR	1ST	1458.89497	ug/m^3		641510.00	4295100.00	24.00	1.20	24.00	1/21/2015, 7
1-HR	1ST	1265.20659	ug/m^3		641530.00	4295100.00	24.00	1.20	24.00	12/25/2017, 7
1-HR	1ST	1210.71795	ug/m^3		641550.00	4295100.00	24.00	1.20	24.00	12/25/2017, 7
1-HR	1ST	1122.59648	ug/m^3		641570.00	4295100.00	24.00	1.20	24.00	12/8/2014, 17
1-HR	1ST	1019.18144	ug/m^3		641590.00	4295100.00	24.00	1.20	24.00	12/8/2014, 17
1-HR	1ST	1328.75074	ug/m^3		641130.00	4295120.00	24.00	1.20	24.00	2/1/2018, 8
1-HR	1ST	1468.05384	ug/m^3		641150.00	4295120.00	24.00	1.20	24.00	2/13/2015, 8
1-HR	1ST	1641.40517	ug/m^3		641170.00	4295120.00	24.00	1.20	24.00	1/3/2015, 17
1-HR	1ST	1824.62542	ug/m^3		641190.00	4295120.00	24.00	1.20	24.00	2/13/2015, 7
1-HR	1ST	1953.74739	ug/m^3		641210.00	4295120.00	24.00	1.20	24.00	1/27/2014, 7
1-HR	1ST	2185.02149	ug/m^3		641230.00	4295120.00	24.00	1.20	24.00	12/19/2017, 7
1-HR	1ST	2137.86638	ug/m^3		641250.00	4295120.00	24.00	1.20	24.00	11/21/2016, 18
1-HR	1ST	2371.17013	ug/m^3		641270.00	4295120.00	24.00	1.20	24.00	9/29/2014, 7
1-HR	1ST	2460.36362	ug/m^3		641290.00	4295120.00	24.00	1.20	24.00	1/1/2014, 7
1-HR	1ST	2533.65495	ug/m^3		641310.00	4295120.00	24.00	1.20	24.00	2/11/2014, 7

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AIRTOXIC - Concentration - Source Group: VOLUME

Averaging Period	Rank	Peak	Units	Receptor ID	X (m)	Y (m)	ZELEV (m)	ZFLAG (m)	ZHILL (m)	Peak Date, Start Hour
1-HR	1ST	2501.63462	ug/m^3		641330.00	4295120.00	24.00	1.20	24.00	12/6/2016, 8
1-HR	1ST	2315.10643	ug/m^3		641350.00	4295120.00	24.00	1.20	24.00	10/28/2014, 17
1-HR	1ST	2260.16974	ug/m^3		641370.00	4295120.00	24.00	1.20	24.00	1/5/2015, 17
1-HR	1ST	1996.24289	ug/m^3		641410.00	4295120.00	24.00	1.20	24.00	2/2/2015, 7
1-HR	1ST	1729.89390	ug/m^3		641430.00	4295120.00	24.00	1.20	24.00	1/17/2015, 8
1-HR	1ST	1317.14649	ug/m^3		641450.00	4295120.00	24.00	1.20	24.00	2/27/2016, 8
1-HR	1ST	1341.91396	ug/m^3		641470.00	4295120.00	24.00	1.20	24.00	2/27/2016, 8
1-HR	1ST	1435.32774	ug/m^3		641490.00	4295120.00	24.00	1.20	24.00	1/21/2015, 9
1-HR	1ST	1296.23129	ug/m^3		641510.00	4295120.00	24.00	1.20	24.00	1/21/2015, 9
1-HR	1ST	1247.22649	ug/m^3		641530.00	4295120.00	24.00	1.20	24.00	1/21/2015, 7
1-HR	1ST	1143.51126	ug/m^3		641550.00	4295120.00	24.00	1.20	24.00	1/21/2015, 7
1-HR	1ST	1003.02461	ug/m^3		641570.00	4295120.00	24.00	1.20	24.00	12/25/2017, 7
1-HR	1ST	980.32403	ug/m^3		641590.00	4295120.00	24.00	1.20	24.00	12/25/2017, 7
1-HR	1ST	1024.31195	ug/m^3		641090.00	4295140.00	24.00	1.20	24.00	2/1/2018, 8
1-HR	1ST	1119.56746	ug/m^3		641110.00	4295140.00	24.00	1.20	24.00	12/21/2016, 7
1-HR	1ST	1244.08140	ug/m^3		641130.00	4295140.00	24.00	1.20	24.00	2/13/2015, 8
1-HR	1ST	1373.00946	ug/m^3		641150.00	4295140.00	24.00	1.20	24.00	1/3/2015, 17
1-HR	1ST	1489.43948	ug/m^3		641170.00	4295140.00	24.00	1.20	24.00	2/13/2015, 7
1-HR	1ST	1637.20686	ug/m^3		641190.00	4295140.00	24.00	1.20	24.00	1/26/2014, 17
1-HR	1ST	1765.23958	ug/m^3		641210.00	4295140.00	24.00	1.20	24.00	12/19/2017, 9
1-HR	1ST	1728.81639	ug/m^3		641230.00	4295140.00	24.00	1.20	24.00	1/29/2015, 18

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Sensitive Receptor Summary

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AIRTOXIC - Concentration - Source Group: VOLUME

Averaging Period	Rank	Peak	Units	Receptor ID	X (m)	Y (m)	ZELEV (m)	ZFLAG (m)	ZHILL (m)	Peak Date, Start Hour
1-HR	1ST	1854.54915	ug/m^3		641250.00	4295140.00	24.00	1.20	24.00	2/21/2015, 7
1-HR	1ST	1993.28292	ug/m^3		641270.00	4295140.00	24.00	1.20	24.00	12/30/2016, 8
1-HR	1ST	2032.22678	ug/m^3		641290.00	4295140.00	24.00	1.20	24.00	1/1/2014, 7
1-HR	1ST	2103.58295	ug/m^3		641310.00	4295140.00	24.00	1.20	24.00	2/11/2014, 7
1-HR	1ST	2052.61521	ug/m^3		641330.00	4295140.00	24.00	1.20	24.00	12/6/2016, 8
1-HR	1ST	1919.77728	ug/m^3		641350.00	4295140.00	24.00	1.20	24.00	2/27/2016, 7
1-HR	1ST	1962.62922	ug/m^3		641370.00	4295140.00	24.00	1.20	24.00	2/17/2018, 7
1-HR	1ST	1720.32913	ug/m^3		641410.00	4295140.00	24.00	1.20	24.00	1/11/2018, 7
1-HR	1ST	1665.28632	ug/m^3		641430.00	4295140.00	24.00	1.20	24.00	2/2/2015, 7
1-HR	1ST	1410.56361	ug/m^3		641450.00	4295140.00	24.00	1.20	24.00	1/17/2015, 8
1-HR	1ST	1045.04310	ug/m^3		641470.00	4295140.00	24.00	1.20	24.00	2/27/2016, 8
1-HR	1ST	1127.12214	ug/m^3		641490.00	4295140.00	24.00	1.20	24.00	2/27/2016, 8
1-HR	1ST	1169.35659	ug/m^3		641510.00	4295140.00	24.00	1.20	24.00	1/21/2015, 9
1-HR	1ST	1145.45072	ug/m^3		641530.00	4295140.00	24.00	1.20	24.00	1/21/2015, 9
1-HR	1ST	1011.87977	ug/m^3		641550.00	4295140.00	24.00	1.20	24.00	1/21/2015, 7
1-HR	1ST	1017.37560	ug/m^3		641570.00	4295140.00	24.00	1.20	24.00	1/21/2015, 7
1-HR	1ST	912.77491	ug/m^3		641070.00	4295160.00	24.00	1.20	24.00	2/1/2018, 8
1-HR	1ST	977.98941	ug/m^3		641090.00	4295160.00	24.00	1.20	24.00	12/21/2016, 7
1-HR	1ST	1072.98374	ug/m^3		641110.00	4295160.00	24.00	1.20	24.00	1/15/2018, 8
1-HR	1ST	1170.07650	ug/m^3		641130.00	4295160.00	24.00	1.20	24.00	1/3/2015, 17
1-HR	1ST	1244.40360	ug/m^3		641150.00	4295160.00	24.00	1.20	24.00	2/13/2015, 7

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AIRTOXIC - Concentration - Source Group: VOLUME

Averaging Period	Rank	Peak	Units	Receptor ID	X (m)	Y (m)	ZELEV (m)	ZFLAG (m)	ZHILL (m)	Peak Date, Start Hour
1-HR	1ST	1392.06097	ug/m^3		641170.00	4295160.00	24.00	1.20	24.00	1/26/2014, 17
1-HR	1ST	1493.18853	ug/m^3		641190.00	4295160.00	24.00	1.20	24.00	1/27/2014, 7
1-HR	1ST	1551.11177	ug/m^3		641210.00	4295160.00	24.00	1.20	24.00	12/19/2017, 7
1-HR	1ST	1490.75498	ug/m^3		641230.00	4295160.00	24.00	1.20	24.00	11/21/2016, 18
1-HR	1ST	1652.39334	ug/m^3		641250.00	4295160.00	24.00	1.20	24.00	11/21/2016, 17
1-HR	1ST	1731.48995	ug/m^3		641270.00	4295160.00	24.00	1.20	24.00	12/30/2016, 8
1-HR	1ST	1704.41239	ug/m^3		641290.00	4295160.00	24.00	1.20	24.00	1/13/2014, 9
1-HR	1ST	1783.79787	ug/m^3		641310.00	4295160.00	24.00	1.20	24.00	2/11/2014, 7
1-HR	1ST	1771.94295	ug/m^3		641330.00	4295160.00	24.00	1.20	24.00	2/14/2018, 8
1-HR	1ST	1598.41592	ug/m^3		641350.00	4295160.00	24.00	1.20	24.00	2/27/2016, 7
1-HR	1ST	1674.31768	ug/m^3		641370.00	4295160.00	24.00	1.20	24.00	10/28/2014, 17
1-HR	1ST	1564.14544	ug/m^3		641410.00	4295160.00	24.00	1.20	24.00	1/11/2018, 7
1-HR	1ST	1436.66273	ug/m^3		641430.00	4295160.00	24.00	1.20	24.00	12/19/2017, 8
1-HR	1ST	1401.44053	ug/m^3		641450.00	4295160.00	24.00	1.20	24.00	2/2/2015, 7
1-HR	1ST	1176.89663	ug/m^3		641470.00	4295160.00	24.00	1.20	24.00	1/17/2015, 8
1-HR	1ST	848.28254	ug/m^3		641490.00	4295160.00	24.00	1.20	24.00	2/27/2016, 8
1-HR	1ST	953.39388	ug/m^3		641510.00	4295160.00	24.00	1.20	24.00	2/27/2016, 8
1-HR	1ST	950.90481	ug/m^3		641530.00	4295160.00	24.00	1.20	24.00	1/21/2015, 9
1-HR	1ST	992.14615	ug/m^3		641550.00	4295160.00	24.00	1.20	24.00	1/21/2015, 9
1-HR	1ST	913.52486	ug/m^3		641570.00	4295160.00	24.00	1.20	24.00	1/21/2015, 9
1-HR	1ST	947.31181	ug/m^3		641090.00	4295180.00	24.00	1.20	24.00	1/15/2018, 8

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AIRTOXIC - Concentration - Source Group: VOLUME

Averaging Period	Rank	Peak	Units	Receptor ID	X (m)	Y (m)	ZELEV (m)	ZFLAG (m)	ZHILL (m)	Peak Date, Start Hour
1-HR	1ST	1012.43405	ug/m^3		641110.00	4295180.00	24.00	1.20	24.00	1/3/2015, 17
1-HR	1ST	1059.11244	ug/m^3		641130.00	4295180.00	24.00	1.20	24.00	2/13/2015, 7
1-HR	1ST	1195.41548	ug/m^3		641150.00	4295180.00	24.00	1.20	24.00	1/26/2014, 17
1-HR	1ST	1253.63520	ug/m^3		641170.00	4295180.00	24.00	1.20	24.00	1/27/2014, 7
1-HR	1ST	1311.72241	ug/m^3		641190.00	4295180.00	24.00	1.20	24.00	12/19/2017, 7
1-HR	1ST	1262.37466	ug/m^3		641210.00	4295180.00	24.00	1.20	24.00	1/29/2015, 18
1-HR	1ST	1344.32472	ug/m^3		641230.00	4295180.00	24.00	1.20	24.00	2/21/2015, 7
1-HR	1ST	1437.78226	ug/m^3		641250.00	4295180.00	24.00	1.20	24.00	9/29/2014, 7
1-HR	1ST	1460.44257	ug/m^3		641270.00	4295180.00	24.00	1.20	24.00	12/30/2016, 8
1-HR	1ST	1468.84925	ug/m^3		641290.00	4295180.00	24.00	1.20	24.00	12/24/2016, 7
1-HR	1ST	1538.45903	ug/m^3		641310.00	4295180.00	24.00	1.20	24.00	2/11/2014, 7
1-HR	1ST	1557.96131	ug/m^3		641330.00	4295180.00	24.00	1.20	24.00	2/14/2018, 8
1-HR	1ST	1376.54715	ug/m^3		641350.00	4295180.00	24.00	1.20	24.00	12/6/2016, 8
1-HR	1ST	1396.58348	ug/m^3		641370.00	4295180.00	24.00	1.20	24.00	10/28/2014, 17
1-HR	1ST	1243.14781	ug/m^3		641410.00	4295180.00	24.00	1.20	24.00	1/11/2015, 17
1-HR	1ST	1328.67357	ug/m^3		641430.00	4295180.00	24.00	1.20	24.00	1/11/2018, 7
1-HR	1ST	1210.03981	ug/m^3		641450.00	4295180.00	24.00	1.20	24.00	12/19/2017, 8
1-HR	1ST	1191.48789	ug/m^3		641470.00	4295180.00	24.00	1.20	24.00	2/2/2015, 7
1-HR	1ST	1000.18219	ug/m^3		641490.00	4295180.00	24.00	1.20	24.00	1/17/2015, 8
1-HR	1ST	708.61730	ug/m^3		641510.00	4295180.00	24.00	1.20	24.00	10/16/2014, 7
1-HR	1ST	812.89575	ug/m^3		641530.00	4295180.00	24.00	1.20	24.00	2/27/2016, 8

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AIRTOXIC - Concentration - Source Group: VOLUME

Averaging Period	Rank	Peak	Units	Receptor ID	X (m)	Y (m)	ZELEV (m)	ZFLAG (m)	ZHILL (m)	Peak Date, Start Hour
1-HR	1ST	799.33229	ug/m^3		641550.00	4295180.00	24.00	1.20	24.00	1/13/2014, 7
1-HR	1ST	887.17991	ug/m^3		641090.00	4295200.00	24.00	1.20	24.00	1/3/2015, 17
1-HR	1ST	915.10365	ug/m^3		641110.00	4295200.00	24.00	1.20	24.00	2/13/2015, 7
1-HR	1ST	1036.59581	ug/m^3		641130.00	4295200.00	24.00	1.20	24.00	1/26/2014, 17
1-HR	1ST	1050.39078	ug/m^3		641150.00	4295200.00	24.00	1.20	24.00	1/27/2014, 7
1-HR	1ST	1129.23251	ug/m^3		641170.00	4295200.00	24.00	1.20	24.00	12/19/2017, 9
1-HR	1ST	1147.11003	ug/m^3		641190.00	4295200.00	24.00	1.20	24.00	12/19/2017, 7
1-HR	1ST	1116.79262	ug/m^3		641210.00	4295200.00	24.00	1.20	24.00	11/21/2016, 18
1-HR	1ST	1213.60037	ug/m^3		641230.00	4295200.00	24.00	1.20	24.00	11/21/2016, 17
1-HR	1ST	1250.05159	ug/m^3		641250.00	4295200.00	24.00	1.20	24.00	12/14/2014, 7
1-HR	1ST	1243.33133	ug/m^3		641270.00	4295200.00	24.00	1.20	24.00	1/1/2014, 7
1-HR	1ST	1312.24179	ug/m^3		641290.00	4295200.00	24.00	1.20	24.00	12/24/2016, 7
1-HR	1ST	1345.36582	ug/m^3		641310.00	4295200.00	24.00	1.20	24.00	2/11/2014, 7
1-HR	1ST	1375.89344	ug/m^3		641330.00	4295200.00	24.00	1.20	24.00	2/14/2018, 8
1-HR	1ST	1277.20355	ug/m^3		641350.00	4295200.00	24.00	1.20	24.00	12/6/2016, 8
1-HR	1ST	1226.35451	ug/m^3		641370.00	4295200.00	24.00	1.20	24.00	1/18/2014, 8
1-HR	1ST	1165.24142	ug/m^3		641410.00	4295200.00	24.00	1.20	24.00	1/5/2015, 17
1-HR	1ST	1158.18912	ug/m^3		641430.00	4295200.00	24.00	1.20	24.00	1/11/2018, 7
1-HR	1ST	1094.47146	ug/m^3		641450.00	4295200.00	24.00	1.20	24.00	1/11/2018, 7
1-HR	1ST	1026.14405	ug/m^3		641470.00	4295200.00	24.00	1.20	24.00	2/2/2015, 7
1-HR	1ST	1023.28228	ug/m^3		641490.00	4295200.00	24.00	1.20	24.00	2/2/2015, 7

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AIRTOXIC - Concentration - Source Group: VOLUME

Averaging Period	Rank	Peak	Units	Receptor ID	X (m)	Y (m)	ZELEV (m)	ZFLAG (m)	ZHILL (m)	Peak Date, Start Hour
1-HR	1ST	862.88842	ug/m^3		641510.00	4295200.00	24.00	1.20	24.00	1/17/2015, 8
1-HR	1ST	611.08934	ug/m^3		641530.00	4295200.00	24.00	1.20	24.00	10/16/2014, 7
1-HR	1ST	907.07219	ug/m^3		641110.00	4295220.00	24.00	1.20	24.00	1/26/2014, 17
1-HR	1ST	883.10419	ug/m^3		641130.00	4295220.00	24.00	1.20	24.00	1/26/2014, 17
1-HR	1ST	997.48013	ug/m^3		641150.00	4295220.00	24.00	1.20	24.00	1/27/2014, 7
1-HR	1ST	1037.23546	ug/m^3		641170.00	4295220.00	24.00	1.20	24.00	12/19/2017, 7
1-HR	1ST	972.52015	ug/m^3		641190.00	4295220.00	24.00	1.20	24.00	1/29/2015, 18
1-HR	1ST	1025.69836	ug/m^3		641210.00	4295220.00	24.00	1.20	24.00	2/21/2015, 7
1-HR	1ST	1108.72371	ug/m^3		641230.00	4295220.00	24.00	1.20	24.00	9/29/2014, 7
1-HR	1ST	1140.04897	ug/m^3		641250.00	4295220.00	24.00	1.20	24.00	12/30/2016, 8
1-HR	1ST	1140.70292	ug/m^3		641270.00	4295220.00	24.00	1.20	24.00	1/1/2014, 7
1-HR	1ST	1177.50081	ug/m^3		641290.00	4295220.00	24.00	1.20	24.00	12/24/2016, 7
1-HR	1ST	1190.13839	ug/m^3		641310.00	4295220.00	24.00	1.20	24.00	2/11/2014, 7
1-HR	1ST	1221.26628	ug/m^3		641330.00	4295220.00	24.00	1.20	24.00	2/14/2018, 8
1-HR	1ST	1166.79562	ug/m^3		641350.00	4295220.00	24.00	1.20	24.00	12/6/2016, 8
1-HR	1ST	1089.20520	ug/m^3		641370.00	4295220.00	24.00	1.20	24.00	2/27/2016, 7
1-HR	1ST	1082.80680	ug/m^3		641410.00	4295220.00	24.00	1.20	24.00	1/5/2015, 17
1-HR	1ST	967.42902	ug/m^3		641430.00	4295220.00	24.00	1.20	24.00	1/11/2015, 17
1-HR	1ST	1043.81529	ug/m^3		641450.00	4295220.00	24.00	1.20	24.00	1/11/2018, 7
1-HR	1ST	956.34513	ug/m^3		641470.00	4295220.00	24.00	1.20	24.00	12/19/2017, 8
1-HR	1ST	926.51392	ug/m^3		641490.00	4295220.00	24.00	1.20	24.00	2/2/2015, 7

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AIRTOXIC - Concentration - Source Group: VOLUME

Averaging Period	Rank	Peak	Units	Receptor ID	X (m)	Y (m)	ZELEV (m)	ZFLAG (m)	ZHILL (m)	Peak Date, Start Hour
1-HR	1ST	887.17992	ug/m^3		641510.00	4295220.00	24.00	1.20	24.00	2/2/2015, 7
1-HR	1ST	898.15563	ug/m^3		641150.00	4295240.00	24.00	1.20	24.00	12/19/2017, 7
1-HR	1ST	878.68092	ug/m^3		641170.00	4295240.00	24.00	1.20	24.00	12/19/2017, 7
1-HR	1ST	877.93150	ug/m^3		641190.00	4295240.00	24.00	1.20	24.00	11/21/2016, 18
1-HR	1ST	930.67347	ug/m^3		641210.00	4295240.00	24.00	1.20	24.00	2/21/2015, 7
1-HR	1ST	993.50933	ug/m^3		641230.00	4295240.00	24.00	1.20	24.00	9/29/2014, 7
1-HR	1ST	1034.08319	ug/m^3		641250.00	4295240.00	24.00	1.20	24.00	12/30/2016, 8
1-HR	1ST	1035.96593	ug/m^3		641270.00	4295240.00	24.00	1.20	24.00	1/1/2014, 7
1-HR	1ST	1061.48859	ug/m^3		641290.00	4295240.00	24.00	1.20	24.00	12/24/2016, 7
1-HR	1ST	1063.10679	ug/m^3		641310.00	4295240.00	24.00	1.20	24.00	2/11/2014, 7
1-HR	1ST	1089.66871	ug/m^3		641330.00	4295240.00	24.00	1.20	24.00	2/14/2018, 8
1-HR	1ST	1055.81328	ug/m^3		641350.00	4295240.00	24.00	1.20	24.00	12/6/2016, 8
1-HR	1ST	954.17797	ug/m^3		641370.00	4295240.00	24.00	1.20	24.00	2/27/2016, 7
1-HR	1ST	994.14246	ug/m^3		641410.00	4295240.00	24.00	1.20	24.00	2/17/2018, 7
1-HR	1ST	910.26804	ug/m^3		641430.00	4295240.00	24.00	1.20	24.00	1/5/2015, 17
1-HR	1ST	891.30783	ug/m^3		641450.00	4295240.00	24.00	1.20	24.00	1/11/2018, 7
1-HR	1ST	909.33665	ug/m^3		641470.00	4295240.00	24.00	1.20	24.00	1/11/2018, 7
1-HR	1ST	848.73869	ug/m^3		641490.00	4295240.00	24.00	1.20	24.00	12/19/2017, 8
1-HR	1ST	778.39160	ug/m^3		641170.00	4295260.00	24.00	1.20	24.00	1/29/2015, 18
1-HR	1ST	818.84090	ug/m^3		641190.00	4295260.00	24.00	1.20	24.00	2/14/2015, 7
1-HR	1ST	877.59732	ug/m^3		641210.00	4295260.00	24.00	1.20	24.00	11/21/2016, 17

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Sensitive Receptor Summary

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AIRTOXIC - Concentration - Source Group: VOLUME

Averaging Period	Rank	Peak	Units	Receptor ID	X (m)	Y (m)	ZELEV (m)	ZFLAG (m)	ZHILL (m)	Peak Date, Start Hour
1-HR	1ST	890.47988	ug/m^3		641230.00	4295260.00	24.00	1.20	24.00	12/14/2014, 7
1-HR	1ST	919.80195	ug/m^3		641250.00	4295260.00	24.00	1.20	24.00	12/30/2016, 8
1-HR	1ST	935.09121	ug/m^3		641270.00	4295260.00	24.00	1.20	24.00	1/1/2014, 7
1-HR	1ST	961.29867	ug/m^3		641290.00	4295260.00	24.00	1.20	24.00	12/24/2016, 7
1-HR	1ST	957.55831	ug/m^3		641310.00	4295260.00	24.00	1.20	24.00	2/11/2014, 7
1-HR	1ST	977.21428	ug/m^3		641330.00	4295260.00	24.00	1.20	24.00	2/14/2018, 8
1-HR	1ST	950.00025	ug/m^3		641350.00	4295260.00	24.00	1.20	24.00	12/6/2016, 8
1-HR	1ST	833.68198	ug/m^3		641370.00	4295260.00	24.00	1.20	24.00	11/23/2017, 17
1-HR	1ST	888.79414	ug/m^3		641410.00	4295260.00	24.00	1.20	24.00	10/28/2014, 17
1-HR	1ST	868.37120	ug/m^3		641430.00	4295260.00	24.00	1.20	24.00	1/5/2015, 17
1-HR	1ST	781.65109	ug/m^3		641450.00	4295260.00	24.00	1.20	24.00	1/11/2015, 17
1-HR	1ST	812.53860	ug/m^3		641210.00	4295280.00	24.00	1.20	24.00	9/29/2014, 7
1-HR	1ST	808.11754	ug/m^3		641230.00	4295280.00	24.00	1.20	24.00	12/30/2016, 8
1-HR	1ST	814.72025	ug/m^3		641250.00	4295280.00	24.00	1.20	24.00	1/13/2014, 8
1-HR	1ST	841.12129	ug/m^3		641270.00	4295280.00	24.00	1.20	24.00	1/1/2014, 7
1-HR	1ST	874.41027	ug/m^3		641290.00	4295280.00	24.00	1.20	24.00	12/24/2016, 7
1-HR	1ST	868.70448	ug/m^3		641310.00	4295280.00	24.00	1.20	24.00	2/11/2014, 7
1-HR	1ST	880.63596	ug/m^3		641330.00	4295280.00	24.00	1.20	24.00	2/14/2018, 8
1-HR	1ST	852.15914	ug/m^3		641350.00	4295280.00	24.00	1.20	24.00	12/6/2016, 8
1-HR	1ST	780.10082	ug/m^3		641370.00	4295280.00	24.00	1.20	24.00	11/23/2017, 17
1-HR	1ST	809.55100	ug/m^3		641410.00	4295280.00	24.00	1.20	24.00	10/28/2014, 17

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AIRTOXIC - Concentration - Source Group: VOLUME

Averaging Period	Rank	Peak	Units	Receptor ID	X (m)	Y (m)	ZELEV (m)	ZFLAG (m)	ZHILL (m)	Peak Date, Start Hour
1-HR	1ST	5444.48227	ug/m^3	1	641241.06	4295025.57	24.32	1.20	24.32	1/30/2015, 9
1-HR	1ST	4240.51744	ug/m^3	1	641401.10	4294998.59	24.12	1.20	24.12	12/27/2015, 8
1-HR	1ST	4085.90429	ug/m^3	1	641403.80	4295029.16	24.00	1.20	24.00	12/8/2014, 17
1-HR	1ST	3248.16760	ug/m^3	1	641422.68	4295009.38	24.00	1.20	24.00	1/8/2015, 8
1-HR	1ST	2838.09865	ug/m^3	1	641442.46	4295023.77	24.00	1.20	24.00	1/15/2014, 17
1-HR	1ST	4048.27053	ug/m^3	1	641400.20	4294968.02	24.45	1.20	24.45	1/16/2017, 9
1-HR	1ST	936.27246	ug/m^3	1	641402.90	4294665.02	27.72	1.20	27.72	2/2/2018, 7
1-HR	1ST	1541.78859	ug/m^3	1	641231.41	4294780.46	26.44	1.20	26.44	12/20/2018, 8
PERIOD		31.60362	ug/m^3	1	641232.59	4295000.70	24.59	1.20	24.59	
PERIOD		30.96363	ug/m^3	1	641234.02	4294983.60	24.76	1.20	24.76	
PERIOD		26.47701	ug/m^3	1	641231.88	4294967.21	24.97	1.20	24.97	
PERIOD		23.67719	ug/m^3	1	641233.31	4294945.83	25.18	1.20	25.18	
PERIOD		20.45593	ug/m^3	1	641234.02	4294923.74	25.42	1.20	25.42	
PERIOD		16.19922	ug/m^3	1	641226.18	4294909.49	25.65	1.20	25.65	
PERIOD		10.35370	ug/m^3	1	641194.82	4294899.51	25.94	1.20	25.94	
PERIOD		8.73393	ug/m^3	1	641178.43	4294903.07	25.73	1.20	25.73	
PERIOD		7.08229	ug/m^3	1	641157.77	4294905.92	25.46	1.20	25.46	
PERIOD		6.20170	ug/m^3	1	641141.38	4294913.76	25.19	1.20	25.19	
PERIOD		5.01969	ug/m^3	1	641113.58	4294921.60	24.81	1.20	24.81	
PERIOD		11.32698	ug/m^3	1	641189.12	4294940.84	25.60	1.20	25.60	
PERIOD		12.35970	ug/m^3	1	641190.55	4294955.81	25.48	1.20	25.48	

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Sensitive Receptor Summary

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AIRTOXIC - Concentration - Source Group: VOLUME

Averaging Period	Rank	Peak	Units	Receptor ID	X (m)	Y (m)	ZELEV (m)	ZFLAG (m)	ZHILL (m)	Peak Date, Start Hour
PERIOD		13.53432	ug/m^3	1	641189.12	4294980.04	25.24	1.20	25.24	
PERIOD		10.55841	ug/m^3	1	641168.46	4294989.30	25.10	1.20	25.10	
PERIOD		19.34798	ug/m^3	1	641210.50	4295026.36	24.64	1.20	24.64	
PERIOD		13.72494	ug/m^3	1	641188.41	4295030.63	24.73	1.20	24.73	
PERIOD		10.96522	ug/m^3	1	641171.31	4295034.20	24.69	1.20	24.69	
PERIOD		8.86066	ug/m^3	1	641154.20	4295042.04	24.60	1.20	24.60	
PERIOD		7.32813	ug/m^3	1	641136.39	4295047.74	24.53	1.20	24.53	
PERIOD		6.24322	ug/m^3	1	641119.29	4295052.01	24.45	1.20	24.45	
PERIOD		4.36281	ug/m^3	1	641069.40	4295042.04	24.13	1.20	24.13	
PERIOD		3.68808	ug/m^3	1	641045.17	4295034.91	24.00	1.20	24.00	
PERIOD		3.31003	ug/m^3	1	641030.92	4295017.09	24.00	1.20	24.00	
PERIOD		2.95081	ug/m^3	1	641013.82	4295006.40	24.00	1.20	24.00	
PERIOD		2.77149	ug/m^3	1	641005.26	4294991.44	24.00	1.20	24.00	
PERIOD		2.52675	ug/m^3	1	640991.01	4294977.90	24.00	1.20	24.00	
PERIOD		2.31534	ug/m^3	1	640978.18	4294960.80	24.00	1.20	24.00	
PERIOD		2.17073	ug/m^3	1	640971.06	4294941.55	24.00	1.20	24.00	
PERIOD		2.05370	ug/m^3	1	640967.50	4294920.18	24.00	1.20	24.00	
PERIOD		2.00162	ug/m^3	1	640968.21	4294903.79	24.00	1.20	24.00	
PERIOD		1.99610	ug/m^3	1	640974.62	4294883.12	24.00	1.20	24.00	
PERIOD		8.89475	ug/m^3	1	641153.49	4294992.15	25.05	1.20	25.05	
PERIOD		7.35230	ug/m^3	1	641134.96	4294997.14	25.01	1.20	25.01	

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Sensitive Receptor Summary

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AIRTOXIC - Concentration - Source Group: VOLUME

Averaging Period	Rank	Peak	Units	Receptor ID	X (m)	Y (m)	ZELEV (m)	ZFLAG (m)	ZHILL (m)	Peak Date, Start Hour
PERIOD		6.23942	ug/m^3	1	641117.15	4295002.13	24.88	1.20	24.88	
PERIOD		5.30819	ug/m^3	1	641097.91	4295005.69	24.60	1.20	24.60	
PERIOD		4.49562	ug/m^3	1	641077.95	4294996.43	24.34	1.20	24.34	
PERIOD		3.89345	ug/m^3	1	641059.42	4294986.45	24.08	1.20	24.08	
PERIOD		3.57000	ug/m^3	1	641049.45	4294971.49	24.00	1.20	24.00	
PERIOD		3.19225	ug/m^3	1	641035.20	4294959.37	24.00	1.20	24.00	
PERIOD		2.80859	ug/m^3	1	641018.09	4294945.83	24.00	1.20	24.00	
PERIOD		2.57158	ug/m^3	1	641010.97	4294922.31	24.00	1.20	24.00	
PERIOD		2.52128	ug/m^3	1	641015.24	4294899.51	24.00	1.20	24.00	
PERIOD		2.61110	ug/m^3	1	641027.36	4294882.41	24.00	1.20	24.00	
PERIOD		3.03420	ug/m^3	1	641045.88	4294904.50	24.00	1.20	24.00	
PERIOD		3.43765	ug/m^3	1	641059.42	4294923.74	24.06	1.20	24.06	
PERIOD		3.69249	ug/m^3	1	641065.84	4294936.57	24.16	1.20	24.16	
PERIOD		4.11728	ug/m^3	1	641075.82	4294952.96	24.30	1.20	24.30	
PERIOD		4.98332	ug/m^3	1	641096.48	4294968.63	24.59	1.20	24.59	
PERIOD		5.86030	ug/m^3	1	641115.72	4294970.06	24.85	1.20	24.85	
PERIOD		6.71346	ug/m^3	1	641133.54	4294961.51	25.05	1.20	25.05	
PERIOD		7.87837	ug/m^3	1	641151.35	4294957.23	25.18	1.20	25.18	
PERIOD		9.21151	ug/m^3	1	641168.46	4294950.11	25.34	1.20	25.34	
PERIOD		4.42242	ug/m^3	1	641102.90	4294904.50	24.71	1.20	24.71	
PERIOD		3.99751	ug/m^3	1	641092.92	4294892.38	24.63	1.20	24.63	

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Sensitive Receptor Summary

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AIRTOXIC - Concentration - Source Group: VOLUME

Averaging Period	Rank	Peak	Units	Receptor ID	X (m)	Y (m)	ZELEV (m)	ZFLAG (m)	ZHILL (m)	Peak Date, Start Hour
PERIOD		4.60098	ug/m^3	1	641115.01	4294882.41	25.08	1.20	25.08	
PERIOD		4.90909	ug/m^3	1	641126.41	4294870.29	25.42	1.20	25.42	
PERIOD		7.37750	ug/m^3	1	641172.73	4294872.43	25.78	1.20	25.78	
PERIOD		12.09368	ug/m^3	1	641226.89	4294874.57	25.79	1.20	25.79	
PERIOD		10.54895	ug/m^3	1	641231.88	4294854.61	25.85	1.20	25.85	
PERIOD		8.81046	ug/m^3	1	641228.32	4294836.09	25.94	1.20	25.94	
PERIOD		6.39492	ug/m^3	1	641179.86	4294834.66	25.95	1.20	25.95	
PERIOD		6.72712	ug/m^3	1	641172.02	4294854.61	25.85	1.20	25.85	
PERIOD		5.35919	ug/m^3	1	641140.66	4294858.18	25.65	1.20	25.65	
PERIOD		3.27029	ug/m^3	1	641071.54	4294862.45	24.33	1.20	24.33	
PERIOD		2.94458	ug/m^3	1	641058.00	4294848.91	24.04	1.20	24.04	
PERIOD		2.59283	ug/m^3	1	641039.47	4294836.80	24.00	1.20	24.00	
PERIOD		2.05291	ug/m^3	1	640999.56	4294821.12	24.00	1.20	24.00	
PERIOD		2.11733	ug/m^3	1	641009.54	4294804.73	24.00	1.20	24.00	
PERIOD		2.40410	ug/m^3	1	641043.03	4294767.67	24.00	1.20	24.00	
PERIOD		2.57828	ug/m^3	1	641062.99	4294759.12	24.19	1.20	24.19	
PERIOD		2.65575	ug/m^3	1	641078.67	4294748.43	24.79	1.20	24.79	
PERIOD		2.73128	ug/m^3	1	641093.63	4294738.46	25.41	1.20	25.41	
PERIOD		2.85297	ug/m^3	1	641112.16	4294730.62	26.20	1.20	26.20	
PERIOD		2.90626	ug/m^3	1	641127.84	4294722.06	26.94	1.20	26.94	
PERIOD		3.03301	ug/m^3	1	641149.93	4294714.23	27.14	1.20	27.14	

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Sensitive Receptor Summary

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AIRTOXIC - Concentration - Source Group: VOLUME

Averaging Period	Rank	Peak	Units	Receptor ID	X (m)	Y (m)	ZELEV (m)	ZFLAG (m)	ZHILL (m)	Peak Date, Start Hour
PERIOD		3.21733	ug/m^3	1	641169.17	4294713.51	27.15	1.20	27.15	
PERIOD		3.41058	ug/m^3	1	641185.56	4294714.94	27.14	1.20	27.14	
PERIOD		3.64018	ug/m^3	1	641206.23	4294714.23	27.15	1.20	27.15	
PERIOD		4.79331	ug/m^3	1	641236.87	4294744.87	26.83	1.20	26.83	
PERIOD		5.21178	ug/m^3	1	641232.59	4294760.55	26.66	1.20	26.66	
PERIOD		5.90555	ug/m^3	1	641231.17	4294780.50	26.44	1.20	26.44	
PERIOD		7.69836	ug/m^3	1	641230.46	4294817.56	26.04	1.20	26.04	
PERIOD		6.74417	ug/m^3	1	641229.74	4294800.45	26.23	1.20	26.23	
PERIOD		5.26012	ug/m^3	1	641189.84	4294791.19	26.32	1.20	26.32	
PERIOD		4.52359	ug/m^3	1	641190.55	4294764.82	26.60	1.20	26.60	
PERIOD		4.03393	ug/m^3	1	641167.03	4294761.26	26.64	1.20	26.64	
PERIOD		4.79064	ug/m^3	1	641169.17	4294792.61	26.30	1.20	26.30	
PERIOD		4.36478	ug/m^3	1	641148.50	4294796.18	26.26	1.20	26.26	
PERIOD		4.18810	ug/m^3	1	641132.83	4294806.87	26.14	1.20	26.14	
PERIOD		3.55527	ug/m^3	1	641127.12	4294773.37	26.40	1.20	26.40	
PERIOD		3.68224	ug/m^3	1	641144.23	4294762.68	26.62	1.20	26.62	
PERIOD		3.37982	ug/m^3	1	641110.02	4294780.50	25.76	1.20	25.76	
PERIOD		3.24654	ug/m^3	1	641092.21	4294792.61	25.11	1.20	25.11	
PERIOD		3.92020	ug/m^3	1	641114.30	4294815.42	25.62	1.20	25.62	
PERIOD		3.74625	ug/m^3	1	641101.47	4294826.82	25.19	1.20	25.19	
PERIOD		3.44600	ug/m^3	1	641085.08	4294840.36	24.70	1.20	24.70	

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Sensitive Receptor Summary

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AIRTOXIC - Concentration - Source Group: VOLUME

Averaging Period	Rank	Peak	Units	Receptor ID	X (m)	Y (m)	ZELEV (m)	ZFLAG (m)	ZHILL (m)	Peak Date, Start Hour
PERIOD		2.78235	ug/m^3	1	641056.57	4294814.71	24.00	1.20	24.00	
PERIOD		3.06310	ug/m^3	1	641075.82	4294804.02	24.56	1.20	24.56	
PERIOD		11.21058	ug/m^3	1	641269.65	4294836.09	25.86	1.20	25.86	
PERIOD		16.18556	ug/m^3	1	641319.53	4294845.35	25.76	1.20	25.76	
PERIOD		21.00785	ug/m^3	1	641353.74	4294848.91	25.73	1.20	25.73	
PERIOD		12.06317	ug/m^3	1	641370.84	4294797.60	26.28	1.20	26.28	
PERIOD		8.69460	ug/m^3	1	641320.25	4294788.34	26.37	1.20	26.37	
PERIOD		6.75105	ug/m^3	1	641269.65	4294779.79	26.46	1.20	26.46	
PERIOD		5.45318	ug/m^3	1	641271.79	4294750.57	26.77	1.20	26.77	
PERIOD		6.60683	ug/m^3	1	641333.79	4294749.86	26.79	1.20	26.79	
PERIOD		7.56233	ug/m^3	1	641387.95	4294741.31	26.90	1.20	26.90	
PERIOD		5.72589	ug/m^3	1	641374.41	4294711.38	27.22	1.20	27.22	
PERIOD		4.85926	ug/m^3	1	641353.03	4294698.55	27.35	1.20	27.35	
PERIOD		4.12947	ug/m^3	1	641323.10	4294687.86	27.46	1.20	27.46	
PERIOD		3.92599	ug/m^3	1	641271.08	4294699.97	27.32	1.20	27.32	
PERIOD		3.35601	ug/m^3	1	641276.78	4294670.04	27.64	1.20	27.64	
PERIOD		22.94649	ug/m^3	1	641405.76	4294944.41	24.70	1.20	24.70	
PERIOD		13.97358	ug/m^3	1	641430.71	4294945.83	24.69	1.20	24.69	
PERIOD		10.57417	ug/m^3	1	641449.23	4294941.55	24.74	1.20	24.74	
PERIOD		7.83962	ug/m^3	1	641470.61	4294942.98	24.73	1.20	24.73	
PERIOD		7.27924	ug/m^3	1	641461.35	4294992.86	24.19	1.20	24.19	

Project File: C:\Users\MikeRatte\Documents\Projects\Roseville Hayden Commercial Center\AERMOD\AERMOD.isc

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Sensitive Receptor Summary

C:\Users\MikeRatte\Documents\Projects\Moraga Camino Pablo\Revision 2

AIRTOXIC - Concentration - Source Group: VOLUME

Averaging Period	Rank	Peak	Units	Receptor ID	X (m)	Y (m)	ZELEV (m)	ZFLAG (m)	ZHILL (m)	Peak Date, Start Hour
PERIOD		5.75659	ug/m^3	1	641481.30	4294991.44	24.21	1.20	24.21	
PERIOD		4.73778	ug/m^3	1	641499.83	4294990.73	24.22	1.20	24.22	
PERIOD		3.95087	ug/m^3	1	641519.78	4294986.45	24.27	1.20	24.27	
PERIOD		3.29531	ug/m^3	1	641540.45	4294987.88	24.26	1.20	24.26	
PERIOD		2.82318	ug/m^3	1	641561.83	4294981.46	24.33	1.20	24.33	
PERIOD		2.42506	ug/m^3	1	641583.92	4294978.61	24.25	1.20	24.25	
PERIOD		2.08139	ug/m^3	1	641608.86	4294973.62	24.14	1.20	24.14	
PERIOD		2.08808	ug/m^3	1	641617.41	4294949.39	24.15	1.20	24.15	
PERIOD		2.22736	ug/m^3	1	641616.70	4294926.59	24.22	1.20	24.22	
PERIOD		2.32479	ug/m^3	1	641618.13	4294907.35	24.34	1.20	24.34	
PERIOD		2.47264	ug/m^3	1	641615.99	4294886.68	24.53	1.20	24.53	
PERIOD		2.52016	ug/m^3	1	641617.41	4294870.29	24.66	1.20	24.66	
PERIOD		2.71462	ug/m^3	1	641613.14	4294840.36	24.91	1.20	24.91	
PERIOD		3.14710	ug/m^3	1	641564.68	4294935.14	24.80	1.20	24.80	
PERIOD		3.34875	ug/m^3	1	641564.68	4294914.47	24.96	1.20	24.96	
PERIOD		3.47804	ug/m^3	1	641566.10	4294893.81	24.96	1.20	24.96	
PERIOD		3.52418	ug/m^3	1	641568.96	4294875.28	24.95	1.20	24.95	
PERIOD		3.69811	ug/m^3	1	641568.24	4294854.61	24.98	1.20	24.98	
PERIOD		4.04852	ug/m^3	1	641562.54	4294834.66	25.01	1.20	25.01	
PERIOD		5.52940	ug/m^3	1	641526.91	4294832.52	25.47	1.20	25.47	
PERIOD		5.62790	ug/m^3	1	641521.92	4294853.19	25.40	1.20	25.40	

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Sensitive Receptor Summary

C:\Users\MikeRatte\Documents\Projects\Moraga Camino Pablo\Revision 2

AIRTOXIC - Concentration - Source Group: VOLUME

Averaging Period	Rank	Peak	Units	Receptor ID	X (m)	Y (m)	ZELEV (m)	ZFLAG (m)	ZHILL (m)	Peak Date, Start Hour
PERIOD		5.48746	ug/m^3	1	641519.07	4294876.71	25.27	1.20	25.27	
PERIOD		5.18952	ug/m^3	1	641519.78	4294895.95	25.15	1.20	25.15	
PERIOD		5.14645	ug/m^3	1	641515.51	4294916.61	25.02	1.20	25.02	
PERIOD		4.89196	ug/m^3	1	641514.08	4294937.99	24.79	1.20	24.79	
PERIOD		9.08792	ug/m^3	1	641469.19	4294903.79	25.15	1.20	25.15	
PERIOD		11.81696	ug/m^3	1	641451.37	4294900.22	25.19	1.20	25.19	
PERIOD		16.54338	ug/m^3	1	641429.99	4294899.51	25.19	1.20	25.19	
PERIOD		24.90913	ug/m^3	1	641405.76	4294895.95	25.23	1.20	25.23	
PERIOD		16.52245	ug/m^3	1	641418.59	4294841.07	25.82	1.20	25.82	
PERIOD		13.21958	ug/m^3	1	641441.39	4294836.09	25.88	1.20	25.88	
PERIOD		9.11121	ug/m^3	1	641476.31	4294852.48	25.71	1.20	25.71	
PERIOD		9.27247	ug/m^3	1	641474.89	4294831.10	25.94	1.20	25.94	
PERIOD		8.68703	ug/m^3	1	641464.20	4294774.09	26.21	1.20	26.21	
PERIOD		7.72153	ug/m^3	1	641487.72	4294781.21	26.03	1.20	26.03	
PERIOD		6.65314	ug/m^3	1	641507.67	4294784.78	25.88	1.20	25.88	
PERIOD		5.49349	ug/m^3	1	641530.47	4294788.34	25.69	1.20	25.69	
PERIOD		4.72063	ug/m^3	1	641549.00	4294787.63	25.54	1.20	25.54	
PERIOD		3.98293	ug/m^3	1	641571.09	4294789.76	25.37	1.20	25.37	
PERIOD		4.04471	ug/m^3	1	641571.09	4294749.14	25.77	1.20	25.77	
PERIOD		4.80223	ug/m^3	1	641547.58	4294751.28	25.86	1.20	25.86	
PERIOD		5.57569	ug/m^3	1	641526.20	4294748.43	25.93	1.20	25.93	

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Sensitive Receptor Summary

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AIRTOXIC - Concentration - Source Group: VOLUME

Averaging Period	Rank	Peak	Units	Receptor ID	X (m)	Y (m)	ZELEV (m)	ZFLAG (m)	ZHILL (m)	Peak Date, Start Hour
PERIOD		6.43804	ug/m^3	1	641499.12	4294742.02	25.99	1.20	25.99	
PERIOD		6.72408	ug/m^3	1	641479.16	4294732.04	26.20	1.20	26.20	
PERIOD		6.95681	ug/m^3	1	641459.21	4294727.77	26.52	1.20	26.52	
PERIOD		4.81331	ug/m^3	1	641487.72	4294665.77	26.82	1.20	26.82	
PERIOD		4.95555	ug/m^3	1	641506.96	4294681.44	26.57	1.20	26.57	
PERIOD		4.94873	ug/m^3	1	641526.20	4294698.55	26.38	1.20	26.38	
PERIOD		4.54553	ug/m^3	1	641547.58	4294702.82	26.34	1.20	26.34	
PERIOD		4.07278	ug/m^3	1	641567.53	4294700.69	26.34	1.20	26.34	
PERIOD		3.67195	ug/m^3	1	641571.09	4294652.94	26.82	1.20	26.82	
PERIOD		3.94775	ug/m^3	1	641548.29	4294651.51	26.90	1.20	26.90	
PERIOD		3.96847	ug/m^3	1	641534.04	4294641.54	27.00	1.20	27.00	
PERIOD		4.10345	ug/m^3	1	641504.82	4294635.84	27.06	1.20	27.06	
PERIOD		3.02645	ug/m^3	1	641610.29	4294789.05	25.15	1.20	25.15	
PERIOD		3.10659	ug/m^3	1	641610.29	4294749.86	25.31	1.20	25.31	
PERIOD		3.14387	ug/m^3	1	641611.00	4294697.84	25.78	1.20	25.78	
PERIOD		3.01223	ug/m^3	1	641618.13	4294666.48	26.03	1.20	26.03	
PERIOD		3.00736	ug/m^3	1	641615.99	4294645.81	26.29	1.20	26.29	
PERIOD		3.24181	ug/m^3	1	641565.39	4294603.06	27.42	1.20	27.42	
PERIOD		2.88559	ug/m^3	1	641618.13	4294620.16	26.72	1.20	26.72	
PERIOD		3.76459	ug/m^3		641050.00	4295060.00	24.00	1.20	24.00	
PERIOD		4.27408	ug/m^3		641070.00	4295060.00	24.09	1.20	24.09	

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Sensitive Receptor Summary

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AIRTOXIC - Concentration - Source Group: VOLUME

Averaging Period	Rank	Peak	Units	Receptor ID	X (m)	Y (m)	ZELEV (m)	ZFLAG (m)	ZHILL (m)	Peak Date, Start Hour
PERIOD		3.15181	ug/m^3		641550.00	4295060.00	24.00	1.20	24.00	
PERIOD		2.72410	ug/m^3		641570.00	4295060.00	24.00	1.20	24.00	
PERIOD		2.37375	ug/m^3		641590.00	4295060.00	24.00	1.20	24.00	
PERIOD		2.08405	ug/m^3		641610.00	4295060.00	24.00	1.20	24.00	
PERIOD		53.10882	ug/m^3		641270.00	4295080.00	24.00	1.20	24.00	
PERIOD		67.93158	ug/m^3		641290.00	4295080.00	24.00	1.20	24.00	
PERIOD		69.01967	ug/m^3		641310.00	4295080.00	24.00	1.20	24.00	
PERIOD		54.26123	ug/m^3		641330.00	4295080.00	24.00	1.20	24.00	
PERIOD		36.20679	ug/m^3		641350.00	4295080.00	24.00	1.20	24.00	
PERIOD		23.29900	ug/m^3		641370.00	4295080.00	24.00	1.20	24.00	
PERIOD		11.54201	ug/m^3		641410.00	4295080.00	24.00	1.20	24.00	
PERIOD		8.81581	ug/m^3		641430.00	4295080.00	24.00	1.20	24.00	
PERIOD		6.99987	ug/m^3		641450.00	4295080.00	24.00	1.20	24.00	
PERIOD		5.73132	ug/m^3		641470.00	4295080.00	24.00	1.20	24.00	
PERIOD		4.80145	ug/m^3		641490.00	4295080.00	24.00	1.20	24.00	
PERIOD		4.08939	ug/m^3		641510.00	4295080.00	24.00	1.20	24.00	
PERIOD		3.52473	ug/m^3		641530.00	4295080.00	24.00	1.20	24.00	
PERIOD		3.06545	ug/m^3		641550.00	4295080.00	24.00	1.20	24.00	
PERIOD		2.68529	ug/m^3		641570.00	4295080.00	24.00	1.20	24.00	
PERIOD		2.36691	ug/m^3		641590.00	4295080.00	24.00	1.20	24.00	
PERIOD		11.76467	ug/m^3		641190.00	4295100.00	24.00	1.20	24.00	

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Sensitive Receptor Summary

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AIRTOXIC - Concentration - Source Group: VOLUME

Averaging Period	Rank	Peak	Units	Receptor ID	X (m)	Y (m)	ZELEV (m)	ZFLAG (m)	ZHILL (m)	Peak Date, Start Hour
PERIOD		16.00873	ug/m^3		641210.00	4295100.00	24.00	1.20	24.00	
PERIOD		22.36469	ug/m^3		641230.00	4295100.00	24.00	1.20	24.00	
PERIOD		30.96407	ug/m^3		641250.00	4295100.00	24.00	1.20	24.00	
PERIOD		40.52697	ug/m^3		641270.00	4295100.00	24.00	1.20	24.00	
PERIOD		47.49132	ug/m^3		641290.00	4295100.00	24.00	1.20	24.00	
PERIOD		47.15375	ug/m^3		641310.00	4295100.00	24.00	1.20	24.00	
PERIOD		39.14095	ug/m^3		641330.00	4295100.00	24.00	1.20	24.00	
PERIOD		28.63913	ug/m^3		641350.00	4295100.00	24.00	1.20	24.00	
PERIOD		19.85901	ug/m^3		641370.00	4295100.00	24.00	1.20	24.00	
PERIOD		10.34795	ug/m^3		641410.00	4295100.00	24.00	1.20	24.00	
PERIOD		8.00798	ug/m^3		641430.00	4295100.00	24.00	1.20	24.00	
PERIOD		6.40187	ug/m^3		641450.00	4295100.00	24.00	1.20	24.00	
PERIOD		5.25786	ug/m^3		641470.00	4295100.00	24.00	1.20	24.00	
PERIOD		4.41910	ug/m^3		641490.00	4295100.00	24.00	1.20	24.00	
PERIOD		3.78521	ug/m^3		641510.00	4295100.00	24.00	1.20	24.00	
PERIOD		3.29041	ug/m^3		641530.00	4295100.00	24.00	1.20	24.00	
PERIOD		2.89200	ug/m^3		641550.00	4295100.00	24.00	1.20	24.00	
PERIOD		2.56272	ug/m^3		641570.00	4295100.00	24.00	1.20	24.00	
PERIOD		2.28511	ug/m^3		641590.00	4295100.00	24.00	1.20	24.00	
PERIOD		5.68497	ug/m^3		641130.00	4295120.00	24.00	1.20	24.00	
PERIOD		6.99165	ug/m^3		641150.00	4295120.00	24.00	1.20	24.00	

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Sensitive Receptor Summary

C:\Users\MikeRatte\Documents\Projects\Moraga Camino Pablo\Revision 2

AIRTOXIC - Concentration - Source Group: VOLUME

Averaging Period	Rank	Peak	Units	Receptor ID	X (m)	Y (m)	ZELEV (m)	ZFLAG (m)	ZHILL (m)	Peak Date, Start Hour
PERIOD		8.81718	ug/m^3		641170.00	4295120.00	24.00	1.20	24.00	
PERIOD		11.42196	ug/m^3		641190.00	4295120.00	24.00	1.20	24.00	
PERIOD		15.12374	ug/m^3		641210.00	4295120.00	24.00	1.20	24.00	
PERIOD		20.03940	ug/m^3		641230.00	4295120.00	24.00	1.20	24.00	
PERIOD		25.80960	ug/m^3		641250.00	4295120.00	24.00	1.20	24.00	
PERIOD		31.42809	ug/m^3		641270.00	4295120.00	24.00	1.20	24.00	
PERIOD		34.94436	ug/m^3		641290.00	4295120.00	24.00	1.20	24.00	
PERIOD		34.31179	ug/m^3		641310.00	4295120.00	24.00	1.20	24.00	
PERIOD		29.49576	ug/m^3		641330.00	4295120.00	24.00	1.20	24.00	
PERIOD		22.97019	ug/m^3		641350.00	4295120.00	24.00	1.20	24.00	
PERIOD		16.95939	ug/m^3		641370.00	4295120.00	24.00	1.20	24.00	
PERIOD		9.32907	ug/m^3		641410.00	4295120.00	24.00	1.20	24.00	
PERIOD		7.30239	ug/m^3		641430.00	4295120.00	24.00	1.20	24.00	
PERIOD		5.89573	ug/m^3		641450.00	4295120.00	24.00	1.20	24.00	
PERIOD		4.87131	ug/m^3		641470.00	4295120.00	24.00	1.20	24.00	
PERIOD		4.10418	ug/m^3		641490.00	4295120.00	24.00	1.20	24.00	
PERIOD		3.51849	ug/m^3		641510.00	4295120.00	24.00	1.20	24.00	
PERIOD		3.06291	ug/m^3		641530.00	4295120.00	24.00	1.20	24.00	
PERIOD		2.70097	ug/m^3		641550.00	4295120.00	24.00	1.20	24.00	
PERIOD		2.40655	ug/m^3		641570.00	4295120.00	24.00	1.20	24.00	
PERIOD		2.16136	ug/m^3		641590.00	4295120.00	24.00	1.20	24.00	

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Sensitive Receptor Summary

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AIRTOXIC - Concentration - Source Group: VOLUME

Averaging Period	Rank	Peak	Units	Receptor ID	X (m)	Y (m)	ZELEV (m)	ZFLAG (m)	ZHILL (m)	Peak Date, Start Hour
PERIOD		3.95960	ug/m^3		641090.00	4295140.00	24.00	1.20	24.00	
PERIOD		4.67514	ug/m^3		641110.00	4295140.00	24.00	1.20	24.00	
PERIOD		5.61674	ug/m^3		641130.00	4295140.00	24.00	1.20	24.00	
PERIOD		6.87447	ug/m^3		641150.00	4295140.00	24.00	1.20	24.00	
PERIOD		8.58954	ug/m^3		641170.00	4295140.00	24.00	1.20	24.00	
PERIOD		10.93096	ug/m^3		641190.00	4295140.00	24.00	1.20	24.00	
PERIOD		13.97923	ug/m^3		641210.00	4295140.00	24.00	1.20	24.00	
PERIOD		17.60420	ug/m^3		641230.00	4295140.00	24.00	1.20	24.00	
PERIOD		21.46610	ug/m^3		641250.00	4295140.00	24.00	1.20	24.00	
PERIOD		24.88095	ug/m^3		641270.00	4295140.00	24.00	1.20	24.00	
PERIOD		26.75942	ug/m^3		641290.00	4295140.00	24.00	1.20	24.00	
PERIOD		26.12419	ug/m^3		641310.00	4295140.00	24.00	1.20	24.00	
PERIOD		23.00835	ug/m^3		641330.00	4295140.00	24.00	1.20	24.00	
PERIOD		18.71568	ug/m^3		641350.00	4295140.00	24.00	1.20	24.00	
PERIOD		14.51950	ug/m^3		641370.00	4295140.00	24.00	1.20	24.00	
PERIOD		8.46617	ug/m^3		641410.00	4295140.00	24.00	1.20	24.00	
PERIOD		6.68689	ug/m^3		641430.00	4295140.00	24.00	1.20	24.00	
PERIOD		5.44286	ug/m^3		641450.00	4295140.00	24.00	1.20	24.00	
PERIOD		4.53147	ug/m^3		641470.00	4295140.00	24.00	1.20	24.00	
PERIOD		3.83850	ug/m^3		641490.00	4295140.00	24.00	1.20	24.00	
PERIOD		3.29955	ug/m^3		641510.00	4295140.00	24.00	1.20	24.00	

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Sensitive Receptor Summary

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AIRTOXIC - Concentration - Source Group: VOLUME

Averaging Period	Rank	Peak	Units	Receptor ID	X (m)	Y (m)	ZELEV (m)	ZFLAG (m)	ZHILL (m)	Peak Date, Start Hour
PERIOD		2.87400	ug/m^3		641530.00	4295140.00	24.00	1.20	24.00	
PERIOD		2.53404	ug/m^3		641550.00	4295140.00	24.00	1.20	24.00	
PERIOD		2.25898	ug/m^3		641570.00	4295140.00	24.00	1.20	24.00	
PERIOD		3.37081	ug/m^3		641070.00	4295160.00	24.00	1.20	24.00	
PERIOD		3.92077	ug/m^3		641090.00	4295160.00	24.00	1.20	24.00	
PERIOD		4.62004	ug/m^3		641110.00	4295160.00	24.00	1.20	24.00	
PERIOD		5.52343	ug/m^3		641130.00	4295160.00	24.00	1.20	24.00	
PERIOD		6.71392	ug/m^3		641150.00	4295160.00	24.00	1.20	24.00	
PERIOD		8.28876	ug/m^3		641170.00	4295160.00	24.00	1.20	24.00	
PERIOD		10.30234	ug/m^3		641190.00	4295160.00	24.00	1.20	24.00	
PERIOD		12.69995	ug/m^3		641210.00	4295160.00	24.00	1.20	24.00	
PERIOD		15.33228	ug/m^3		641230.00	4295160.00	24.00	1.20	24.00	
PERIOD		17.95198	ug/m^3		641250.00	4295160.00	24.00	1.20	24.00	
PERIOD		20.09249	ug/m^3		641270.00	4295160.00	24.00	1.20	24.00	
PERIOD		21.13833	ug/m^3		641290.00	4295160.00	24.00	1.20	24.00	
PERIOD		20.57671	ug/m^3		641310.00	4295160.00	24.00	1.20	24.00	
PERIOD		18.44680	ug/m^3		641330.00	4295160.00	24.00	1.20	24.00	
PERIOD		15.49106	ug/m^3		641350.00	4295160.00	24.00	1.20	24.00	
PERIOD		12.48498	ug/m^3		641370.00	4295160.00	24.00	1.20	24.00	
PERIOD		7.71591	ug/m^3		641410.00	4295160.00	24.00	1.20	24.00	
PERIOD		6.15742	ug/m^3		641430.00	4295160.00	24.00	1.20	24.00	

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Sensitive Receptor Summary

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AIRTOXIC - Concentration - Source Group: VOLUME

Averaging Period	Rank	Peak	Units	Receptor ID	X (m)	Y (m)	ZELEV (m)	ZFLAG (m)	ZHILL (m)	Peak Date, Start Hour
PERIOD		5.04099	ug/m^3		641450.00	4295160.00	24.00	1.20	24.00	
PERIOD		4.22263	ug/m^3		641470.00	4295160.00	24.00	1.20	24.00	
PERIOD		3.59822	ug/m^3		641490.00	4295160.00	24.00	1.20	24.00	
PERIOD		3.10770	ug/m^3		641510.00	4295160.00	24.00	1.20	24.00	
PERIOD		2.71493	ug/m^3		641530.00	4295160.00	24.00	1.20	24.00	
PERIOD		2.39622	ug/m^3		641550.00	4295160.00	24.00	1.20	24.00	
PERIOD		2.13544	ug/m^3		641570.00	4295160.00	24.00	1.20	24.00	
PERIOD		3.87339	ug/m^3		641090.00	4295180.00	24.00	1.20	24.00	
PERIOD		4.54433	ug/m^3		641110.00	4295180.00	24.00	1.20	24.00	
PERIOD		5.40533	ug/m^3		641130.00	4295180.00	24.00	1.20	24.00	
PERIOD		6.51559	ug/m^3		641150.00	4295180.00	24.00	1.20	24.00	
PERIOD		7.91245	ug/m^3		641170.00	4295180.00	24.00	1.20	24.00	
PERIOD		9.57299	ug/m^3		641190.00	4295180.00	24.00	1.20	24.00	
PERIOD		11.41593	ug/m^3		641210.00	4295180.00	24.00	1.20	24.00	
PERIOD		13.33484	ug/m^3		641230.00	4295180.00	24.00	1.20	24.00	
PERIOD		15.14143	ug/m^3		641250.00	4295180.00	24.00	1.20	24.00	
PERIOD		16.52286	ug/m^3		641270.00	4295180.00	24.00	1.20	24.00	
PERIOD		17.12053	ug/m^3		641290.00	4295180.00	24.00	1.20	24.00	
PERIOD		16.64390	ug/m^3		641310.00	4295180.00	24.00	1.20	24.00	
PERIOD		15.12445	ug/m^3		641330.00	4295180.00	24.00	1.20	24.00	
PERIOD		13.00966	ug/m^3		641350.00	4295180.00	24.00	1.20	24.00	

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Sensitive Receptor Summary

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AIRTOXIC - Concentration - Source Group: VOLUME

Averaging Period	Rank	Peak	Units	Receptor ID	X (m)	Y (m)	ZELEV (m)	ZFLAG (m)	ZHILL (m)	Peak Date, Start Hour
PERIOD		10.79920	ug/m^3		641370.00	4295180.00	24.00	1.20	24.00	
PERIOD		7.04270	ug/m^3		641410.00	4295180.00	24.00	1.20	24.00	
PERIOD		5.69528	ug/m^3		641430.00	4295180.00	24.00	1.20	24.00	
PERIOD		4.69002	ug/m^3		641450.00	4295180.00	24.00	1.20	24.00	
PERIOD		3.94522	ug/m^3		641470.00	4295180.00	24.00	1.20	24.00	
PERIOD		3.37773	ug/m^3		641490.00	4295180.00	24.00	1.20	24.00	
PERIOD		2.93086	ug/m^3		641510.00	4295180.00	24.00	1.20	24.00	
PERIOD		2.57093	ug/m^3		641530.00	4295180.00	24.00	1.20	24.00	
PERIOD		2.27615	ug/m^3		641550.00	4295180.00	24.00	1.20	24.00	
PERIOD		3.81116	ug/m^3		641090.00	4295200.00	24.00	1.20	24.00	
PERIOD		4.45462	ug/m^3		641110.00	4295200.00	24.00	1.20	24.00	
PERIOD		5.26707	ug/m^3		641130.00	4295200.00	24.00	1.20	24.00	
PERIOD		6.27448	ug/m^3		641150.00	4295200.00	24.00	1.20	24.00	
PERIOD		7.46860	ug/m^3		641170.00	4295200.00	24.00	1.20	24.00	
PERIOD		8.80133	ug/m^3		641190.00	4295200.00	24.00	1.20	24.00	
PERIOD		10.21258	ug/m^3		641210.00	4295200.00	24.00	1.20	24.00	
PERIOD		11.62561	ug/m^3		641230.00	4295200.00	24.00	1.20	24.00	
PERIOD		12.89192	ug/m^3		641250.00	4295200.00	24.00	1.20	24.00	
PERIOD		13.80758	ug/m^3		641270.00	4295200.00	24.00	1.20	24.00	
PERIOD		14.15385	ug/m^3		641290.00	4295200.00	24.00	1.20	24.00	
PERIOD		13.75356	ug/m^3		641310.00	4295200.00	24.00	1.20	24.00	

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Sensitive Receptor Summary

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AIRTOXIC - Concentration - Source Group: VOLUME

Averaging Period	Rank	Peak	Units	Receptor ID	X (m)	Y (m)	ZELEV (m)	ZFLAG (m)	ZHILL (m)	Peak Date, Start Hour
PERIOD		12.63087	ug/m^3		641330.00	4295200.00	24.00	1.20	24.00	
PERIOD		11.06881	ug/m^3		641350.00	4295200.00	24.00	1.20	24.00	
PERIOD		9.40331	ug/m^3		641370.00	4295200.00	24.00	1.20	24.00	
PERIOD		6.43003	ug/m^3		641410.00	4295200.00	24.00	1.20	24.00	
PERIOD		5.27995	ug/m^3		641430.00	4295200.00	24.00	1.20	24.00	
PERIOD		4.38175	ug/m^3		641450.00	4295200.00	24.00	1.20	24.00	
PERIOD		3.69932	ug/m^3		641470.00	4295200.00	24.00	1.20	24.00	
PERIOD		3.17778	ug/m^3		641490.00	4295200.00	24.00	1.20	24.00	
PERIOD		2.76773	ug/m^3		641510.00	4295200.00	24.00	1.20	24.00	
PERIOD		2.43670	ug/m^3		641530.00	4295200.00	24.00	1.20	24.00	
PERIOD		4.35396	ug/m^3		641110.00	4295220.00	24.00	1.20	24.00	
PERIOD		5.10385	ug/m^3		641130.00	4295220.00	24.00	1.20	24.00	
PERIOD		5.98941	ug/m^3		641150.00	4295220.00	24.00	1.20	24.00	
PERIOD		6.98178	ug/m^3		641170.00	4295220.00	24.00	1.20	24.00	
PERIOD		8.04020	ug/m^3		641190.00	4295220.00	24.00	1.20	24.00	
PERIOD		9.12733	ug/m^3		641210.00	4295220.00	24.00	1.20	24.00	
PERIOD		10.17843	ug/m^3		641230.00	4295220.00	24.00	1.20	24.00	
PERIOD		11.08025	ug/m^3		641250.00	4295220.00	24.00	1.20	24.00	
PERIOD		11.70176	ug/m^3		641270.00	4295220.00	24.00	1.20	24.00	
PERIOD		11.90147	ug/m^3		641290.00	4295220.00	24.00	1.20	24.00	
PERIOD		11.56528	ug/m^3		641310.00	4295220.00	24.00	1.20	24.00	

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Sensitive Receptor Summary

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AIRTOXIC - Concentration - Source Group: VOLUME

Averaging Period	Rank	Peak	Units	Receptor ID	X (m)	Y (m)	ZELEV (m)	ZFLAG (m)	ZHILL (m)	Peak Date, Start Hour
PERIOD		10.71170	ug/m^3		641330.00	4295220.00	24.00	1.20	24.00	
PERIOD		9.52685	ug/m^3		641350.00	4295220.00	24.00	1.20	24.00	
PERIOD		8.24417	ug/m^3		641370.00	4295220.00	24.00	1.20	24.00	
PERIOD		5.87191	ug/m^3		641410.00	4295220.00	24.00	1.20	24.00	
PERIOD		4.89835	ug/m^3		641430.00	4295220.00	24.00	1.20	24.00	
PERIOD		4.10480	ug/m^3		641450.00	4295220.00	24.00	1.20	24.00	
PERIOD		3.48152	ug/m^3		641470.00	4295220.00	24.00	1.20	24.00	
PERIOD		2.99839	ug/m^3		641490.00	4295220.00	24.00	1.20	24.00	
PERIOD		2.61880	ug/m^3		641510.00	4295220.00	24.00	1.20	24.00	
PERIOD		5.66950	ug/m^3		641150.00	4295240.00	24.00	1.20	24.00	
PERIOD		6.48147	ug/m^3		641170.00	4295240.00	24.00	1.20	24.00	
PERIOD		7.32318	ug/m^3		641190.00	4295240.00	24.00	1.20	24.00	
PERIOD		8.16741	ug/m^3		641210.00	4295240.00	24.00	1.20	24.00	
PERIOD		8.95646	ug/m^3		641230.00	4295240.00	24.00	1.20	24.00	
PERIOD		9.60894	ug/m^3		641250.00	4295240.00	24.00	1.20	24.00	
PERIOD		10.03955	ug/m^3		641270.00	4295240.00	24.00	1.20	24.00	
PERIOD		10.15128	ug/m^3		641290.00	4295240.00	24.00	1.20	24.00	
PERIOD		9.86761	ug/m^3		641310.00	4295240.00	24.00	1.20	24.00	
PERIOD		9.20298	ug/m^3		641330.00	4295240.00	24.00	1.20	24.00	
PERIOD		8.28382	ug/m^3		641350.00	4295240.00	24.00	1.20	24.00	
PERIOD		7.27667	ug/m^3		641370.00	4295240.00	24.00	1.20	24.00	

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Sensitive Receptor Summary

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AIRTOXIC - Concentration - Source Group: VOLUME

Averaging Period	Rank	Peak	Units	Receptor ID	X (m)	Y (m)	ZELEV (m)	ZFLAG (m)	ZHILL (m)	Peak Date, Start Hour
PERIOD		5.36548	ug/m^3		641410.00	4295240.00	24.00	1.20	24.00	
PERIOD		4.54466	ug/m^3		641430.00	4295240.00	24.00	1.20	24.00	
PERIOD		3.85022	ug/m^3		641450.00	4295240.00	24.00	1.20	24.00	
PERIOD		3.28579	ug/m^3		641470.00	4295240.00	24.00	1.20	24.00	
PERIOD		2.83794	ug/m^3		641490.00	4295240.00	24.00	1.20	24.00	
PERIOD		5.99195	ug/m^3		641170.00	4295260.00	24.00	1.20	24.00	
PERIOD		6.66572	ug/m^3		641190.00	4295260.00	24.00	1.20	24.00	
PERIOD		7.32589	ug/m^3		641210.00	4295260.00	24.00	1.20	24.00	
PERIOD		7.92352	ug/m^3		641230.00	4295260.00	24.00	1.20	24.00	
PERIOD		8.40298	ug/m^3		641250.00	4295260.00	24.00	1.20	24.00	
PERIOD		8.70648	ug/m^3		641270.00	4295260.00	24.00	1.20	24.00	
PERIOD		8.76421	ug/m^3		641290.00	4295260.00	24.00	1.20	24.00	
PERIOD		8.52331	ug/m^3		641310.00	4295260.00	24.00	1.20	24.00	
PERIOD		7.99525	ug/m^3		641330.00	4295260.00	24.00	1.20	24.00	
PERIOD		7.26835	ug/m^3		641350.00	4295260.00	24.00	1.20	24.00	
PERIOD		6.46397	ug/m^3		641370.00	4295260.00	24.00	1.20	24.00	
PERIOD		4.90822	ug/m^3		641410.00	4295260.00	24.00	1.20	24.00	
PERIOD		4.21667	ug/m^3		641430.00	4295260.00	24.00	1.20	24.00	
PERIOD		3.61274	ug/m^3		641450.00	4295260.00	24.00	1.20	24.00	
PERIOD		6.59075	ug/m^3		641210.00	4295280.00	24.00	1.20	24.00	
PERIOD		7.04766	ug/m^3		641230.00	4295280.00	24.00	1.20	24.00	

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Sensitive Receptor Summary

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AIRTOXIC - Concentration - Source Group: VOLUME

Averaging Period	Rank	Peak	Units	Receptor ID	X (m)	Y (m)	ZELEV (m)	ZFLAG (m)	ZHILL (m)	Peak Date, Start Hour
PERIOD		7.40522	ug/m^3		641250.00	4295280.00	24.00	1.20	24.00	
PERIOD		7.62209	ug/m^3		641270.00	4295280.00	24.00	1.20	24.00	
PERIOD		7.64615	ug/m^3		641290.00	4295280.00	24.00	1.20	24.00	
PERIOD		7.44015	ug/m^3		641310.00	4295280.00	24.00	1.20	24.00	
PERIOD		7.01328	ug/m^3		641330.00	4295280.00	24.00	1.20	24.00	
PERIOD		6.42879	ug/m^3		641350.00	4295280.00	24.00	1.20	24.00	
PERIOD		5.77670	ug/m^3		641370.00	4295280.00	24.00	1.20	24.00	
PERIOD		4.49688	ug/m^3		641410.00	4295280.00	24.00	1.20	24.00	
PERIOD		35.45269	ug/m^3	1	641241.06	4295025.57	24.32	1.20	24.32	
PERIOD		19.20914	ug/m^3	1	641401.10	4294998.59	24.12	1.20	24.12	
PERIOD		17.35586	ug/m^3	1	641403.80	4295029.16	24.00	1.20	24.00	
PERIOD		12.79551	ug/m^3	1	641422.68	4295009.38	24.00	1.20	24.00	
PERIOD		9.47205	ug/m^3	1	641442.46	4295023.77	24.00	1.20	24.00	
PERIOD		22.69516	ug/m^3	1	641400.20	4294968.02	24.45	1.20	24.45	
PERIOD		4.55026	ug/m^3	1	641402.90	4294665.02	27.72	1.20	27.72	
PERIOD		5.91025	ug/m^3	1	641231.41	4294780.46	26.44	1.20	26.44	