

## MEMORANDUM

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**Date:** July 29, 2020

**Subject:** Hyatt Hotel Project – Health Risk Assessment Technical Memorandum

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### PURPOSE

The purpose of this Health Risk Assessment (HRA) is to evaluate potential health risks associated with diesel particulate matter (DPM) generated along West San Carlos Street in the vicinity of the proposed Hyatt Hotel Project (project) in the City of San José (City), Santa Clara County (County), California. This HRA was prepared in accordance with the requirements of the Bay Area Air Quality Management District (BAAQMD) and guidance from the Office of Environmental Health Hazard Assessment (OEHHA) to determine if health risks are likely to occur at the proposed project site.

### PROJECT LOCATION

The City of San José (City) is located in the easterly half of the Santa Clara Valley area of Santa Clara County. The City consists of approximately 143 square miles. The City is primarily surrounded by the cities of Milpitas, Los Gatos, Campbell, Saratoga, Cupertino, and Santa Clara.

The proposed Hyatt Hotel Project (project) is approximately 0.39-acre and is located at the southeast corner of West San Carlos and Willard Avenue at 1470 West San Carlos Street (Assessor's Parcel Number [APN]: 277-20-035). Regional access to the project site provided via Interstate 280 (I-280) and I-880. Local access to the project site is provided via West San Carlos Street and Willard Avenue.

### EXISTING SITE CONDITIONS

The project site currently consists of a 530-square foot sales office and a 2,061-square foot mechanic shop, as well as a surface parking lot. The topography of the project site is relatively flat with an elevation of approximately 115 feet. According to the *Envision San José 2040 General Plan* (General Plan), the project site is designated as Urban Village (UV). According to the City's Zoning Map, the project site is zoned Commercial Neighborhood (CN). In addition, the project site is located within the Alameda and West San Carlos Street Neighborhood Business District (NBD). The NBD designation consists of a variety of commercial and non-commercial uses that contribute to neighborhood identity by serving as a focus

for neighborhood activity. The project site is surrounded by residential uses to the north, east, and south, as well as commercial uses to the west.

## **PROJECT DESCRIPTION**

The hotel would include 105 rooms, two guest lounges, a guest kitchen, bar/café, gym, office, staff room, ancillary storage, and housekeeping facilities. The hotel rooms would include 75 standard king rooms (331 to 332 square feet), 20 double queen rooms (344 square feet), 5 king suites (441 square feet), and 5 ADA accessible king rooms (374 square feet). In total, the hotel would have 125 guest beds. The project would include a single structure that would consist of six stories reaching a maximum height of approximately 85 feet.

Parking for the proposed project would consist of one Americans with Disability Act (ADA) accessible parking spaces on the ground level (accessible via the proposed driveway on West San Carlos Street), as well as two valet-assisted ADA spaces and 58 standard parking spaces in the basement level (accessible via the proposed driveway on Willard Avenue). The standard parking spaces would be accommodated via 25 vehicle lifts that are able to store two vehicles each and eight valet-parked tandem spaces. The project would construct a new 20-foot sidewalk with new curb and gutter on the north side of the project site (West San Carlos Street) and a 12-foot sidewalk with new curb, gutter, and approach on the west side of the project site (Willard Avenue). Installation of the sidewalk would require replacement of an existing bus stop with shelter along West San Carlos Street.

Project construction would occur over approximately 29 months, beginning in the February 2021. Construction of the project would include the following phases: demolition, grading, paving, building construction, and architectural coating.

## **ENVIRONMENTAL SETTING**

The California Air Resources Board (CARB) divides the State into 15 air basins that share similar meteorological and topographical features. The proposed project is located within the San Francisco Bay Area Air Basin (Basin). This Basin comprises all of Alameda, Contra Costa, Marin, Napa, San Francisco, San Mateo, and Santa Clara counties, the southern portion of Sonoma County, and the southwestern portion of Solano County. Air quality in this area is determined by such natural factors as topography, meteorology, and climate, in addition to the presence of existing air pollution sources and ambient conditions. These factors along with applicable regulations are discussed below.

The air pollution potential in the County is high. High summer temperatures, stable air, and mountains surrounding the County combine to promote ozone formation. In addition to the many local sources of pollution, ozone precursors from the counties of San Francisco, San Mateo and Alameda are carried by prevailing winds to Santa Clara County. The County tends to channel pollutants to the southeast. In addition, on summer days with low level inversions, ozone can be recirculated by southerly drainage flows in the late evening and early morning and by the prevailing north-westerlies in the afternoon. A similar recirculation pattern occurs in the winter, affecting levels of carbon monoxide and particulate matter. This movement of the air up and down the County substantially increases the impact of air pollutants. Pollution sources are plentiful and complex in this sub-region. The County has a high concentration of industry at the northern end, in the Silicon Valley. Some of these industries are sources of air toxics as well as criteria air pollutants. In addition, the County's large population and many work-site destinations generate the highest mobile source emissions of any sub-region in the Basin.

## TOXIC AIR CONTAMINANTS

Toxic air contaminants (TACs) are airborne substances capable of causing short-term (acute) and/or long-term chronic or carcinogenic (i.e., cancer causing) adverse human health effects (i.e., injury or illness). TACs include both organic and inorganic chemical substances. They may be emitted from a variety of common sources including gasoline stations, automobiles, dry cleaners, industrial operations, and painting operations. The current California list of TACs includes approximately 200 compounds, including particulate emissions from diesel-fueled engines.

Hazardous air pollutant (HAP) is a term used in the Federal Clean Air Act (FCAA) and includes a variety of pollutants generated or emitted by industrial production activities. Identified as TACs under the California Clean Air Act (CCAA), ten have been singled out through ambient air quality data as being the most substantial health risks in California. Direct exposure to these pollutants has been shown to cause cancer, birth defects, damage to the brain and nervous system, and respiratory disorders.

TACs do not have ambient air quality standards because no safe levels of TACs can be determined. Instead, TAC impacts are evaluated by calculating the health risks associated with a given exposure. The requirements of the Air Toxic "Hot Spots" Information and Assessment Act (Assembly Bill [AB] 2588) apply to facilities that use, produce, or emit toxic chemicals. Facilities subject to the toxic emission inventory requirements of AB 2588 must prepare, submit, and periodically update their toxic emission inventory plans and reports.

Toxic contaminants often result from fugitive emissions during fuel storage and transfer activities, and from leaking valves and pipes. For example, the electronics industry, including semiconductor manufacturing, uses highly toxic chlorinated solvents in semiconductor production processes. Automobile exhaust also contains toxic air pollutants such as benzene and 1,3-butadiene.

Diesel Particulate Matter. DPM is emitted from both mobile and stationary sources. In California, on-road diesel-fueled engines contribute approximately 24 percent of the Statewide total, with an additional 71 percent attributed to other mobile sources, such as construction and mining equipment, agricultural equipment, and transport refrigeration units. Stationary sources contribute approximately five percent of total DPM in the State. It should be noted that CARB has developed several plans and programs to reduce diesel emissions such as the Diesel Risk Reduction Plan (DRRP), the Statewide Portable Equipment Registration Program (PERP), and the Diesel Off-Road Online Reporting System (DOORS). PERP and DOORS allow owners or operators of portable engines and certain other types of equipment to register their equipment in order to operate them in the State without having to obtain individual permits from local air districts.

Diesel exhaust and many individual substances contained in it (e.g., arsenic, benzene, formaldehyde, and nickel) have the potential to contribute to mutations in cells that can lead to cancer. Long-term exposure to diesel exhaust particles poses the highest cancer risk of any TAC evaluated by OEHHA. CARB estimates that about 70 percent of the cancer risk that the average Californian faces from breathing toxic air pollutants stems from diesel exhaust particles.

In its comprehensive assessment of diesel exhaust, OEHHA analyzed more than 30 studies of people who worked around diesel equipment, including truck drivers, railroad workers, and equipment operators. The studies showed these workers were more likely to develop lung cancer than workers who were not exposed to diesel emissions. These studies provide strong evidence that long-term occupational exposure to diesel exhaust increases the risk of lung cancer. Using information from OEHHA's assessment, CARB

estimates that diesel particle levels measured in California's air in 2000 could cause 540 "excess" cancers in a population of one million people over a 70-year lifetime. Other researchers and scientific organizations, including the National Institute for Occupational Safety and Health (NIOSH), have calculated cancer risks from diesel exhaust similar to those developed by OEHHA and CARB.

Exposure to diesel exhaust can have immediate health effects. Diesel exhaust can irritate the eyes, nose, throat, and lungs, and it can cause coughs, headaches, lightheadedness, and nausea. In studies with human volunteers, diesel exhaust particles made people with allergies more susceptible to the materials to which they are allergic, such as dust and pollen. Exposure to diesel exhaust also causes inflammation in the lungs, which may aggravate chronic respiratory symptoms and increase the frequency or intensity of asthma attacks.

Diesel engines are a major source of fine particulate pollution. The elderly and people with emphysema, asthma, and chronic heart and lung disease are especially sensitive to fine-particle pollution. Numerous studies have linked elevated particle levels in the air to increased hospital admissions, emergency room visits, asthma attacks, and premature deaths among those suffering from respiratory problems. Because children's lungs and respiratory systems are still developing, they are also more susceptible than healthy adults to fine particles. Exposure to fine particles is associated with increased frequency of childhood illnesses and can also reduce lung function in children. In California, diesel exhaust particles have been identified as a carcinogen.

## **REGULATORY SETTING**

### **Federal**

Federal Clean Air Act. The FCAA of 1970 and the FCAA Amendments of 1971 required the U.S. Environmental Protection Agency (EPA) to establish National Ambient Air Quality Standards (NAAQS), which required the EPA to adopt more stringent air quality standards or to include standards for other specific pollutants. The FCAA was amended in 1990 to address a large number of air pollutants that are known to cause or may reasonably be anticipated to cause adverse effects to human health or adverse environmental effects. A total of 188 specific pollutants and chemical groups were initially identified as HAPs, and the list has been modified over time. The FCAA Amendments included new regulatory programs to control acid deposition and regulate the issuance of stationary source operating permits.

Mobile Source Air Toxics Rule. In 2001, the EPA issued its first Mobile Source Air Toxics (MSAT) Rule, which identified 21 MSAT compounds as being HAPs that required regulation. A subset of six MSAT compounds were identified as having the greatest influence on health, including benzene, 1,3-butadiene, formaldehyde, acrolein, acetaldehyde, and DPM. In February 2007, the EPA issued a second MSAT Rule that generally supported the findings in the first rule and provided additional recommendations of compounds having the greatest impact on health. The rule also identified several engine emission certification standards that must be implemented. Unlike criteria pollutants, MSATs do not have NAAQS, making evaluation of their impacts more subjective.

National Emissions Standards for Hazardous Air Pollutants Program. Under Federal law, 188 substances are listed as HAPs. Major sources of specific HAPs are subject to the requirements of the National Emissions Standards for Hazardous Air Pollutants program. The EPA is establishing regulatory schemes for specific source categories and requires implementation of Maximum Achievable Control Technologies for major sources of HAPs in each source category. State law has established the framework for California's TAC identification and control program, which is generally more stringent than the Federal

program and is aimed at HAPs that are specific problems in California. The State has formally identified 244 substances as TACs and is adopting appropriate control measures for each TAC. Once adopted at the State level, each air district will be required to adopt a control measure that is equal or more stringent.

## State

California Air Toxics “Hot Spots” Information and Assessment Act (AB 2588). Enacted in 1987, AB 2588 is a State-wide program that requires facilities exceeding recommended OEHHA levels to reduce risks to acceptable levels. Under AB 2588, TAC emissions from individual facilities are quantified and prioritized by the air quality management district or air pollution control district. High priority facilities are required to perform an HRA and, if specific thresholds are exceeded, required to communicate the results to the public in the form of notices and public meetings. In September 1992, AB 2588 was amended by Senate Bill 1731, which required facilities that pose a significant health risk to the community to reduce their risk by developing a risk management plan.

Diesel exhaust is mainly composed of particulate matter (PM) and gases, which contain potential cancer-causing substances. Emissions from diesel engines currently include over 40 substances that are listed by EPA as HAPs and by CARB as TACs. On August 27, 1998, CARB identified PM in diesel exhaust as a TAC, based on data linking diesel particulate emissions to increased risks of lung cancer and respiratory disease.

Toxic Air Contaminant Identification and Control Act. CARB’s Statewide comprehensive air toxics program was established in 1983 with the Toxic Air Contaminant Identification and Control Act (AB 1807). AB 1807 created California’s program to reduce exposure to air toxics and sets forth a formal procedure for CARB to designate substances as TACs. Once a TAC is identified, CARB adopts an airborne toxics control measure (ATCM) for sources that emit designated TACs. If there is a safe threshold for a substance at which there is no toxic effect, the control measure must reduce exposure to below that threshold. If there is no safe threshold, the measure must incorporate toxics best available control technology to minimize emissions.

Diesel Reduction Plan. In September 2000, CARB adopted a comprehensive diesel risk reduction plan to reduce emissions from both new and existing diesel-fueled engines and vehicles. The goal of the plan is to reduce DPM emissions and its associated health risk by 75 percent in 2010 and by 85 percent by 2020. As part of this plan, CARB identified ATCM for mobile and stationary emissions sources. Each ATCM is codified in the California Code of Regulations (CCR), including the ATCM to limit diesel-fueled commercial motor vehicle idling, which puts limits on idling time for large diesel engines (13 CCR Chapter 10 Section 2485).

Truck and Bus Regulation Reducing Emissions from Existing Diesel Vehicles. On December 12, 2008, CARB approved the Truck and Bus Regulation Reducing Emissions from Existing Diesel Vehicles to significantly reduce PM and nitrogen oxide (NO<sub>x</sub>) emissions from existing diesel vehicles operating in California. The regulation requires diesel trucks and buses that operate in California to be upgraded to reduce emissions. Heavier trucks were required to be retrofitted with PM filters beginning January 1, 2012, and older trucks were required to be replaced starting January 1, 2015. By January 2023, nearly all trucks and buses will need to have 2010 model year engines or an equivalent.

Heavy-Duty Vehicle Idling Emission Reduction Program. The purpose of the CARB ATCM to Limit Diesel-Fueled Commercial Motor Vehicle Idling is to reduce public exposure to DPM and criteria pollutants by limiting the idling of diesel-fueled commercial vehicles.<sup>1</sup> The driver of any vehicle subject to this ATCM is

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<sup>1</sup> The ATCM to Limit Diesel-Fueled Commercial Motor Vehicle Idling is codified in Title 13 CCR Chapter 10 Section 2485.

prohibited from idling the vehicle's primary diesel engine for more than five minutes at any location and is prohibited from idling a diesel-fueled auxiliary power system for more than five minutes to power a heater, air conditioner, or any ancillary equipment on the vehicle if it has a sleeper berth and the truck is located within 100 feet of a restricted area (e.g., homes and schools).

CARB's Final Regulation Order, *Requirements to Reduce Idling Emissions from New and In-Use Trucks*, requires that new 2008 and subsequent model year heavy-duty diesel engines be equipped with an engine shutdown system that automatically shuts down the engine after 300 seconds of continuous idling operation once the vehicle is stopped, the transmission is set to neutral or park, and the parking brake is engaged.

California's Energy Efficiency Standards for Residential and Nonresidential Buildings (Title 24). In 1978, the California Energy Commission (CEC) established the State's energy efficiency standards for residential and non-residential buildings, more commonly known as Title 24, in response to a legislative mandate to create uniform building codes to reduce California's energy consumption and provide energy efficiency standards for residential and non-residential buildings. The most recent update to the Title 24 standards, the 2019 Title 24 standards, will take effect on January 1, 2020. Under the 2019 Title 24 standards, residential and non-residential buildings are required to have air filters with a designated efficiency equal to or greater than Minimum Efficiency Reporting Value (MERV) 13 when tested in accordance with the American Society of Heating, Refrigerating and Air-Conditioning Engineers (ASHRAE) Standard 52.2. Per ASHRAE Standard 52.2, MERV 13 filters are able to filter out 50 percent of particles within 0.3 to 1.0 micrometers ( $\mu\text{m}$ ), 85 percent of particles within 1.0 to 3.0  $\mu\text{m}$ , and 95 percent of particles within 3.0 to 10  $\mu\text{m}$ .

## **Regional**

Bay Area Air Quality Management District. The BAAQMD has primary responsibility for regulating stationary sources of air pollution situated within its jurisdictional boundaries. To this end, BAAQMD implements air quality programs required by State and Federal mandates, enforces rules and regulations based on air pollution laws, and educates businesses and residents about their role in protecting air quality. The BAAQMD is also responsible for managing and permitting existing, new, and modified sources of air emissions within the Basin to ensure conformance with Federal, State, and local air quality standards. PM emissions are a serious concern for the BAAQMD.

The BAAQMD adopted the *California Environmental Quality Act Air Quality Guidelines (Air Quality Guidelines)* (May 2012). The purpose of the Air Quality Guidelines is to set forth the definitions, procedures, and forms use by the BAAQMD to implement the California Environmental Quality Act (CEQA) and to supplement the CEQA Guidelines. The Air Quality Guidelines also establish the thresholds for specific pollutants. On March 5, 2012 the Alameda County Superior Court issued a judgment finding that the BAAQMD had failed to comply with CEQA when it adopted its CEQA air quality thresholds. The Court did not determine whether the thresholds were valid on the merits but found that adoption of the thresholds was considered a "project" under CEQA. The Court issued a writ of mandate ordering the BAAQMD to set aside the thresholds and cease dissemination of them until the BAAQMD had complied with CEQA. The BAAQMD appealed the Alameda County Superior Court's decision and the Court of Appeal of the State of California, First Appellate District, reversed the trial court's decision. The Court of Appeal's decision was appealed to the California Supreme Court, which granted limited review, and the matter is currently pending.<sup>2</sup>

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<sup>2</sup> Bay Area Air Quality Management District, *Updated CEQA Guidelines*, <http://www.baaqmd.gov/plans-and-climate/california-environmental-quality-act-ceqa/updated-ceqa-guidelines>, accessed November 11, 2019.

As such, the BAAQMD is no longer recommending that the thresholds within the CEQA Guidelines be used as a generally applicable measure of a project’s significant air quality impacts. BAAQMD recommends Lead Agencies to determine appropriate air quality thresholds of significance based on substantial evidence in the record. Although Lead Agencies may rely on the BAAQMD’s updated Air Quality Guidelines (updated May 2017) for assistance in calculating air pollution emissions, obtaining information regarding the health impacts of air pollutants, and identifying potential mitigation measures, the BAAQMD has been ordered to set aside the thresholds and is no longer recommending that these thresholds be used as a general measure of a project’s air quality impacts. Exercising its own discretion as Lead Agency, the City of San José relies on the thresholds within the BAAQMD’s *Options and Justification Report* (dated October 2009). The *Options and Justification Report* establishes thresholds based on substantial evidence and are consistent with the thresholds outlined in BAAQMD’s Air Quality Guidelines.

## SIGNIFICANCE CRITERIA AND METHODOLOGY

### Health Risk Analysis Thresholds

In order to determine whether or not a proposed project would cause a significant effect on the environment, the impact of the project must be determined by examining the types and levels of air toxics generated and the associated impacts on factors that affect air quality. Currently, the *Air Toxics Hot Spots Program Risk Assessment Guidance Manual for Preparation of Health Risk Assessments* (Guidance Manual), published by the California Environmental Protection Agency (Cal-EPA) and OEHHA, dated February 2015, is utilized for preparing HRAs. With guidance from Cal-EPA and OEHHA, the BAAQMD recommends that the following air pollution thresholds be used by Lead Agencies in determining a project’s health risks. If the Lead Agency finds that a proposed project has the potential to exceed the air pollution thresholds, the project should be considered significant. The thresholds for air toxic emissions are outlined in Table 1, Bay Area Air Quality Management District Air Quality Significance Thresholds.

**Table 1**  
**Bay Area Air Quality Management District Air Quality Significance Thresholds**

Pollutant	Operational-Related Threshold
Risk and Hazards for New Sources and Receptors (Individual Project)	Compliance with Qualified Community Risk Reduction Plan  OR  Increased cancer risk of > 10.0 in 1 million Increased non-cancer risk of > 1.0 Hazard Index (Chronic or Acute) Ambient PM <sub>2.5</sub> increase > 0.3 µg/m <sup>3</sup> annual average <u>Zone of Influence:</u> 1,000-foot radius from fence line of source or receptor
Notes: PM <sub>2.5</sub> = particulate matter less than 2.5 microns; µg/m <sup>3</sup> = micrograms per cubic meter	
Source: Bay Area Air Quality Management District, <i>Proposed Thresholds of Significance</i> , December 2009, and Bay Area Air Quality Management District, <i>CEQA Air Quality Guidelines</i> , May 2017.	

The 10 in 1 million threshold shown in Table 1 is based on the latest scientific data and is designed to protect the most sensitive individuals in the population as each chemical’s exposure level includes large margins of safety. In addition to this carcinogen threshold, OEHHA recommends that the non-carcinogenic hazards for TACs at ground level should not exceed a chronic hazard index of more than one.

Vehicle exhaust emissions of diesel particulates from traffic on West San Carlos Street are below the 10 and 2.5 micron range (PM<sub>10</sub> and PM<sub>2.5</sub>, respectively). DPM is the only pollutant needed for the cancer risk analysis since the cancer slope factor established by OEHHA for the assessment of DPM cancer risk includes consideration of the individual toxic species that could be adsorbed onto DPM particles.

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

## Methodology

The air dispersion modeling for the HRA was performed using the EPA AERMOD dispersion model version 19191. AERMOD is a steady-state, multiple-source, Gaussian dispersion model designed for use with emission sources situated in terrain where ground elevations can exceed the stack heights of the emission sources (not a factor in this case). AERMOD requires hourly meteorological data consisting of wind vector, wind speed, temperature, stability class, and mixing height. Surface and upper air meteorological data is provided by the CARB. Surface and upper air meteorological data from The Norman Y. Mineta San José International Airport Monitoring Station was selected as being the most representative for meteorology based on proximity to the project site.<sup>3</sup> In addition, the United States Geological Survey 1/3 arc-second (about 10 meters) National Elevation Dataset terrain data was processed with AERMAP<sup>4</sup> and imported into AERMOD for the project area.

The emission sources in the model are two line-volume sources, each comprised of 204 smaller volume sources along West San Carlos Street (eastbound and westbound) to the north of the proposed project site. An emission rate for PM<sub>10</sub> (representative of DPM emissions) was calculated using the average daily trips (ADTs) generated by the proposed project along West San Carlos Street<sup>5</sup> and a 2017 Emission Factor model (EMFAC-2017)<sup>6</sup> model run for the County; refer to Appendix A, Dispersion Modeling Data. EMFAC 2017 is a mathematical model that was developed to calculate emission rates from motor vehicles that operate on highways, freeways, and local roads in California and is commonly used by CARB to project changes in future emissions from on-road mobile sources. The most recent version of this model, EMFAC 2017, incorporates regional motor vehicle data, information and estimates regarding the distribution of vehicle miles traveled (VMT) by speed, and number of starts per day. Vehicle emissions were assigned a release height of ten feet, which is the BAAQMD’s recommended average stack height for diesel trucks.<sup>7</sup>

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<sup>3</sup> California Air Resources Board, *Meteorological Files*, <https://ww3.arb.ca.gov/toxics/harp/metfiles2.htm>, accessed on November 11, 2019.

<sup>4</sup> U.S. Environmental Protection Agency, *User’s Guide for the AERMOD Terrain Preprocessor (AERMAP)*, [https://www3.epa.gov/ttn/scram/models/aermod/aermap/aermap\\_userguide\\_v18081.pdf](https://www3.epa.gov/ttn/scram/models/aermod/aermap/aermap_userguide_v18081.pdf), accessed November 12, 2019.

<sup>5</sup> Per discussions with the project traffic engineer, it was assumed that the project would generate approximately 8,468 average daily trips on the eastbound direction of San Carlos Street and 8,163 average daily trips on the westbound direction of San Carlos Street.

<sup>6</sup> California Air Resources Board, *EMFAC 2017 Web Database*, <https://www.arb.ca.gov/emfac/2017/>, accessed November 11, 2019.

<sup>7</sup> Bay Area Air Quality Management District, *Recommended Methods for Screening and Modeling Local Risks and Hazards*, <http://www.baaqmd.gov/~media/files/planning-and-research/ceqa/risk-modeling-approach-may-2012.pdf?la=en>, accessed November 12, 2019.

AERMOD was run to obtain the peak 1-hour and annual average PM<sub>10</sub> concentration in micrograms per cubic meter (µg/m<sup>3</sup>) at the project site. Note that the concentration estimate developed using this methodology is conservative and is not a specific prediction of the actual concentrations that would occur at the project site any one point in time. Actual 1-hour and annual average concentrations are dependent on many variables, particularly the number and type of vehicles traveling along West San Carlos Street during time periods of adverse meteorology.

A health risk computation was performed to determine the risk of developing an excess cancer risk calculated on a 70-year lifetime basis for 30-, 9-, and 25-year worker exposure scenarios. The chronic and carcinogenic health risk calculations are based on the standardized equations contained in OEHHA's 2015 Guidance Manual.<sup>8</sup> Only the risk associated with the location of the proposed project was assessed.

## **Risk and Hazard Assessment**

The Hotspots Analysis and Reporting Program Version 2 (HARP2) Air Dispersion and Risk Tool (ADMRT) was employed to calculate the health risks related to the location of the project site. HARP2 was created for the purpose of assisting and supporting the local California Air Pollution Control and Air Quality Management Districts with implementing the requirements of AB 2588. Although designed to meet the programmatic requirements of AB 2588, HARP2 modules have also been used for preparing risk assessments for other air related programs (e.g., air toxic control measure development, facility permitting applications, ambient monitoring evaluations, and CEQA review).

The risk analysis algorithms and default values used in HARP2 are based on the 2015 OEHHA guidelines set forth in the revised *Technical Support Document for Exposure Assessment and Stochastic Analysis*. All equations, default parameter values, and variable distributions encoded into HARP2 are from the OEHHA Guidance Manual. More specifically, the RiskTool module in HARP2 allows users to:

- Calculate potential health impacts using a ground level concentration;
- Evaluate one or multiple pollutants for one or multiple receptor points;
- Calculate cancer and non-cancer (e.g., acute, 8-hour, and chronic) health impacts using the new risk assessment guidelines in the OEHHA Guidance Manual;
- Use point estimates to calculate inhalation and multi-pathway risks; and
- Perform stochastic health risk analyses.

Cancer Risk. Based on the 2015 OEHHA methodology, the residential inhalation cancer risk from annual average DPM concentrations is calculated by multiplying the daily inhalation or oral dose by a cancer potency factor, an age sensitivity factor (ASF), the frequency of time spent at home (for residents only), and the exposure duration divided by averaging time, to yield the excess cancer risk. These factors are discussed in more detail below. It is important to note that exposure duration is based on continual heavy truck operation near the project site. Cancer risk must be separately calculated for specified age groups due to age differences in sensitivity to carcinogens and in intake rates per kilogram of body weight. Separate risk estimates for specified age groups provide a health-protective estimate of cancer risk by accounting for greater susceptibility in early life, including both age-related sensitivity and amount of exposure.

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<sup>8</sup> Office of Environmental Health Hazard Assessment, *Risk Assessment Guidelines: Guidance Manual for Preparation of Health Risk Assessments*, <https://oehha.ca.gov/media/downloads/crn/2015guidancemanual.pdf>, February 2015.

Exposure through inhalation (Dose-air) is a function of breathing rate, exposure frequency, and concentration of a substance in the air. For residential exposure, breathing rates are established for specific age groups; therefore, Dose-air is calculated for each of the following age groups: 3rd trimester, 0<2, 2<9, 2<16, 16<30 and 16-70 years. To estimate cancer risk, the dose was estimated by applying the following formula to each ground level concentration:

$$\text{Dose-air} = (C_{\text{air}} * \{BR/BW\} * A * EF * 10^{-6})$$

Where:

- Dose-air = dose through inhalation (microgram per kilogram per day; mg/kg/day)
- $C_{\text{air}}$  = air concentration ( $\mu\text{g}/\text{m}^3$ ) from air dispersion model
- {BR/BW} = 95<sup>th</sup> percentile daily breathing rate normalized to body weight (liters per kilogram [L/kg] body weight [BW]-day) (361 L/kg BW-day for 3rd trimester, 1,090 L/kg BW-day for 0<2 years, 861 L/kg BW-day for 2<9 years, 745 L/kg BW-day for 2<16 years, 335 L/kg BW-day for 16<30 years, and 290 L/kg BW-day 16<70 years)
- A = Inhalation absorption factor (unitless [1])
- EF = exposure frequency (unitless), days/365 days (0.96 [approximately 350 days per year])
- $10^{-6}$  = conversion factor (micrograms to milligrams, liters to cubic meters)

OEHHA developed ASFs to take into account the increased sensitivity to carcinogens during early-in-life exposure. In the absence of chemical-specific data, OEHHA recommends a default ASF of 10 for the 3rd trimester to age 2 years, an ASF of 3 for ages 2 through 15 years to account for potential increased sensitivity to carcinogens during childhood, and an ASF of 1 for ages 16 through 70 years.

Fraction of time at home (FAH) during the day is used to adjust exposure duration and cancer risk from a specific facility's emissions, based on the assumption that exposure to the facility's emissions are not occurring away from home. OEHHA recommends the following FAH values: from the 3rd trimester to age <2 years, 85 percent of time is spent at home; from age 2 through <16 years, 72 percent of time is spent at home; from age 16 years and greater, 73 percent of time is spent at home.

To estimate the cancer risk, the Dose-air is multiplied by the cancer potency factor, the ASF, the exposure duration divided by averaging time, and the frequency of time spent at home (for residents only):

$$\text{Risk}_{\text{inh-res}} = (\text{Dose}_{\text{air}} * \text{CPF} * \text{ASF} * \text{ED}/\text{AT} * \text{FAH})$$

Where:

- $\text{Risk}_{\text{inh-res}}$  = residential inhalation cancer risk (potential chances per million)
- Dose-air = daily dose through inhalation (mg/kg/day)
- CPF = inhalation cancer potency factor ( $\text{mg}/\text{kg}\text{-day}^{-1}$ )
- ASF = age sensitivity factor for a specified age group (unitless)
- ED = exposure duration (in years) for a specified age group (0.25 years for 3<sup>rd</sup> trimester, 2 years for 0<2, 7 years for 2<9, 14 years for 2<16, 14 years for 16<30, and 54 years for 16-70)
- AT = averaging time of lifetime cancer risk (years)

FAH = fraction of time spent at home (unitless)

### Chronic Non-Cancer Hazard

Non-cancer chronic impacts are calculated by dividing the annual average concentration by the Reference Exposure Level (REL) for that substance. The REL is defined as the concentration at which no adverse non-cancer health effects are anticipated. The following equation was used to determine the non-cancer risk:

$$\text{Hazard Quotient} = C_i / \text{REL}_i$$

Where:

$C_i$  = Concentration in the air of substance  $i$  (annual average concentration in  $\mu\text{g}/\text{m}^3$ )

$\text{REL}_i$  = Chronic non-cancer Reference Exposure Level for substance  $i$  ( $\mu\text{g}/\text{m}^3$ )

Acute Non-Cancer Hazard. The potential for acute non-cancer hazard quotient is evaluated by comparing the maximum short-term exposure level to an acute REL. RELs are designed to protect sensitive individuals within the population. Currently, OEHHA has not set an acute REL for DPM. To be conservative, the acute REL for Acrolein is used instead given that Acrolein is a major component of diesel exhaust and is considered the worst-case acute REL for diesel exhaust emissions. The calculation of acute non-cancer impacts is similar to the procedure for chronic non-cancer impacts. The equation is as follows:

$$\text{Acute Hazard Quotient} = \text{Maximum Hourly Air Concentration } (\mu\text{g}/\text{m}^3) / \text{Acute REL } (\mu\text{g}/\text{m}^3)$$

### Health Risk Impact Assessment

#### Carcinogenic Risk

Based on the AERMOD outputs, the highest expected hourly average diesel  $\text{PM}_{10}$  emission concentrations at the project site resulting from diesel truck traffic along West San Carlos Street would be approximately  $0.03381 \mu\text{g}/\text{m}^3$ . The highest expected annual average diesel  $\text{PM}_{10}$  emission concentrations at the project site would be approximately  $0.00789 \mu\text{g}/\text{m}^3$ . The calculations conservatively assume cleaner technology with lower emissions are not implemented in future years. Cancer risk calculations are based on 70-, 30-, 9- and 25-year worker exposure scenarios. As shown in [Table 2, Health Risk at Project Site](#), the highest calculated carcinogenic risk as a result of the project is 8.28 per million for 70-year exposure, 6.98 per million for 30-year exposure, 0.49 per million for 25-year worker exposure, and 4.85 per million for 9-year exposure. Under all worker exposure scenarios, health risk would not exceed the established significance threshold of 10 in 1 million.

Furthermore, the project would be required to comply with the 2019 Title 24 requirements, which requires installation of MERV 13 air filters or higher. MERV 13 air filters would reduce  $\text{PM}_{10}$  concentrations by 95 percent, which would drastically lower the maximum cancer risk from DPM. It should be noted that as a hotel project, it is not anticipated that sensitive receptors would be present on-site for the 9-, 30-, and 70-year resident exposure, and 25-year worker exposure scenarios. As shown, impacts related to cancer risk and  $\text{PM}_{10}$  concentrations from diesel truck traffic along West San Carlos Street would be less than significant at the project site.

**Table 2**  
**Health Risk at Project Site**

Exposure Scenario	Maximum Cancer Risk (Risk per Million) <sup>1,2</sup>	Significance Threshold (Risk per Million)	Exceeds Significance Threshold?
70-Year Exposure	8.28	10	No
30-Year Exposure	6.98	10	No
9-Year Exposure	4.85	10	No
Worker Exposure (25-Year)	0.49	10	No

Notes:

1. Refer to [Appendix A, Dispersion Modeling Data](#).
2. The maximum cancer risk would be experienced at UTM NAD83 Zone 10S coordinate location 595956.51, 4131292.54 (Latitude: 37.323336° , Longitude: -121.916967°) along the northeastern tip of the project site.

## Non-Carcinogenic Hazard

The significance thresholds for TAC exposure also require an evaluation of non-cancer risk stated in terms of a hazard index. Non-cancer chronic impacts are calculated by dividing the annual average concentration by the REL for that substance. The REL is defined as the concentration at which no adverse non-cancer health effects are anticipated. The potential for acute non-cancer hazards is evaluated by comparing the maximum short-term exposure level to an acute REL. RELs are designed to protect sensitive individuals within the population. The calculation of acute non-cancer impacts is similar to the procedure for chronic non-cancer impacts.

An acute or chronic hazard index of 1.0 is considered individually significant. The hazard index is calculated by dividing the acute or chronic exposure by the REL. The highest maximum chronic and acute hazard index associated with emissions generated by project implementation would be 0.024 and 0.014, respectively; refer to [Appendix A](#). Therefore, non-carcinogenic hazards are calculated to be within acceptable limits (less than 1.0) and a less than significant impact would occur.

## Conclusion

As described, non-carcinogenic hazards resulting from the location of the proposed project are calculated to be within acceptable limits. Additionally, impacts related to cancer risk and PM<sub>10</sub> concentrations from traffic along West San Carlos Street would be less than significant. Therefore, impacts related to health risk from traffic along West San Carlos Street on the project site would be less than significant.

**Level of Significance:** *Less Than Significant Impact.*

## REFERENCES

### Documents

1. Bay Area Air Quality Management District, *California Environmental Quality Act Air Quality Guidelines*, May 2017.
2. Bay Area Air Quality Management District, *Proposed Thresholds of Significance*, December 2009.
3. Bay Area Air Quality Management District, *Recommended Methods for Screening and Modeling Local Risks and Hazards*, May 2012.
4. California Air Resources Board, *Risk Reduction Plan to Reduce Particulate Matter Emissions from Diesel-Fueled Engines and Vehicles*, October 2000.
5. California Energy Commission, *2019 Building Energy Efficiency Standards*, [https://www.energy.ca.gov/title24/2019standards/documents/2018\\_Title\\_24\\_2019\\_Building\\_Standards\\_FAQ.pdf](https://www.energy.ca.gov/title24/2019standards/documents/2018_Title_24_2019_Building_Standards_FAQ.pdf), accessed November 6, 2019.
6. California Environmental Protection Agency and Office of Environmental Health Hazard Assessment, *Air Toxics Hot Spots Program Risk Assessment Guidance Manual for Preparation of Health Risk Assessments*, February 2015.
7. City of San José, *Envision San José 2040 General Plan*, November 2011.
8. Michael Baker International, *Hyatt Place Hotel Local Transportation Analysis*, September 24, 2019.
9. Office of Environmental Health Hazard Assessment, *Risk Assessment Guidelines: Guidance Manual for Preparation of Health Risk Assessments*, <https://oehha.ca.gov/media/downloads/crrn/2015guidancemanual.pdf>, February 2015.
- 10.
11. U.S. Environmental Protection Agency, *User's Guide for the AERMOD Terrain Preprocessor (AERMAP)*, [https://www3.epa.gov/ttn/scram/models/aermod/aermap/aermap\\_userguide\\_v18081.pdf](https://www3.epa.gov/ttn/scram/models/aermod/aermap/aermap_userguide_v18081.pdf)

### Software/Websites

1. Bay Area Air Quality Management District, *Tools and Methodology Website*, <http://www.baaqmd.gov/plans-and-climate/california-environmental-quality-act-ceqa/ceqa-tools>, accessed November 11, 2019.
2. California Air Resources Board, *EMFAC 2017 Web Database*, <https://www.arb.ca.gov/emfac/2017/>, accessed November 11, 2019.
3. California Air Resources Board, *Hotspots Analysis, and Reporting Program (HARP2), Air Dispersion Modeling and Risk Tool (ADMRT) (version #19121)*.

4. Google Earth, 2019.
5. Lakes Environmental, Gaussian Plume Air Dispersion Model (AERMOD version 19191), Version 9.8.1.

**Appendix A**  
Dispersion Modeling Data

**Hvatt Hotel - Emission Rate Calculations**

<b>West San Carlos Street Truck Movement</b>	<b>Emission Factor (g/mi)<sup>1</sup></b>	<b>Average Daily Traffic<sup>2</sup></b>	<b>Daily Truck Trips (AADT)<sup>3</sup></b>	<b>length (mi)<sup>4</sup></b>	<b>g/day</b>	<b>g/sec</b>
<b>Trucks - Eastbound West San Carlos</b>	0.045714444	8,468	169	1.15941651	<b>8.976432475</b>	<b>0.000103894</b>
<b>Trucks - Westbound West San Carlos</b>	0.045714444	8,163	163	1.15910582	<b>8.650800995</b>	<b>0.000100125</b>

Notes:

1. Weighted average emission rate for heavy-duty diesel trucks within Santa Clara County; refer to following page for EMFAC 2017 calculation
2. Opening year plus cumulative traffic volumes along West San Carlos Avenue.
3. Per the direction of the Traffic Engineer; It is assumed that 2 percent of the traffic along West San Carlos is heavy duty trucks
4. Length of the line volume source in AERMOD.

Sources:

<https://www.arb.ca.gov/emfac/2017/>  
Email Communication with Jacob Swim, Michael baker international, on October 1st 2019.

EMFAC2017 (v1.0.2) Emission Rates

Region Type: County

Region: SANTA CLARA

Calendar Year: 2021

Season: Annual

Vehicle Classification: EMFAC2011 Categories

Units: miles/day for VMT, trips/day for Trips, g/mile for RUNEX, PMBW and PMTW, g/trip for STREX, HTSK and RUNLS, g/vehicle/day for IDLEX, RESTL and DIURN

Region	Calendar Yr	Vehicle Cat	Model Year	Speed	Fuel	Population	VMT	PM10_RUNEX (g/mile)	Grams PM10 per category
SANTA CLA	2021	All Other B	Aggregat	Aggregat	DSL	671.4807156	41900.64	0.033139889	1388.582651
SANTA CLA	2021	LDT1	Aggregat	Aggregat	DSL	39.89374448	725.5582	0.176091353	127.7645182
SANTA CLA	2021	LDT2	Aggregat	Aggregat	DSL	1518.218309	59025.65	0.005125894	302.5592244
SANTA CLA	2021	LHD1	Aggregat	Aggregat	DSL	10609.07629	409397.3	0.024350366	9968.97335
SANTA CLA	2021	LHD2	Aggregat	Aggregat	DSL	4214.571145	160661.6	0.023981224	3852.862644
SANTA CLA	2021	MDV	Aggregat	Aggregat	DSL	3426.388676	128242	0.004809866	616.826673
SANTA CLA	2021	MH	Aggregat	Aggregat	DSL	984.4460184	9504.941	0.096914491	921.1664865
SANTA CLA	2021	Motor Coa	Aggregat	Aggregat	DSL	96.49214156	12543.08	0.092386238	1158.808178
SANTA CLA	2021	PTO	Aggregat	Aggregat	DSL	0	14457.72	0.112531044	1626.941989
SANTA CLA	2021	SBUS	Aggregat	Aggregat	DSL	1013.213737	32006.31	0.045312535	1450.287003
SANTA CLA	2021	T6 Ag	Aggregat	Aggregat	DSL	0.83041245	17.27764	0.158401083	2.736796129
SANTA CLA	2021	T6 CAIRP h	Aggregat	Aggregat	DSL	36.54244428	7224.627	0.025325398	182.9665593
SANTA CLA	2021	T6 CAIRP s	Aggregat	Aggregat	DSL	18.56982379	971.1446	0.040272343	39.11026984
SANTA CLA	2021	T6 instate c	Aggregat	Aggregat	DSL	219.5424228	14939.48	0.121984354	1822.383406
SANTA CLA	2021	T6 instate d	Aggregat	Aggregat	DSL	658.6449991	34080.03	0.114664418	3907.766409
SANTA CLA	2021	T6 instate e	Aggregat	Aggregat	DSL	1274.352779	168676.1	0.062372484	10520.74471
SANTA CLA	2021	T6 instate f	Aggregat	Aggregat	DSL	6231.931516	298879.7	0.097472362	29132.51165
SANTA CLA	2021	T6 OOS he	Aggregat	Aggregat	DSL	20.58580266	4087.085	0.022431629	91.67997971
SANTA CLA	2021	T6 OOS sm	Aggregat	Aggregat	DSL	10.64427145	550.2667	0.042376174	23.31819538
SANTA CLA	2021	T6 Public	Aggregat	Aggregat	DSL	877.8382642	13712.58	0.031406729	430.6671386
SANTA CLA	2021	T6 utility	Aggregat	Aggregat	DSL	137.664906	2316.883	0.00348386	8.071695836
SANTA CLA	2021	T7 CAIRP	Aggregat	Aggregat	DSL	902.6598787	160300	0.045200438	7245.631818
SANTA CLA	2021	T7 CAIRP c	Aggregat	Aggregat	DSL	59.38756734	10731.16	0.038430073	412.3993316
SANTA CLA	2021	T7 NNOOS	Aggregat	Aggregat	DSL	974.199693	195423.9	0.042581653	8321.473237
SANTA CLA	2021	T7 NNOOS	Aggregat	Aggregat	DSL	354.402608	62977.83	0.04113257	2590.440133
SANTA CLA	2021	T7 other pt	Aggregat	Aggregat	DSL	105.5503629	16927.7	0.033198946	561.9816897
SANTA CLA	2021	T7 POAK	Aggregat	Aggregat	DSL	807.4196724	92844.36	0.037957095	3524.102084
SANTA CLA	2021	T7 Public	Aggregat	Aggregat	DSL	591.5040814	11998.42	0.06352204	762.1643306
SANTA CLA	2021	T7 Single	Aggregat	Aggregat	DSL	1122.762727	72811.95	0.106439467	7750.065426
SANTA CLA	2021	T7 single cc	Aggregat	Aggregat	DSL	378.6208183	26622.04	0.115258911	3068.427178
SANTA CLA	2021	T7 SWCV	Aggregat	Aggregat	DSL	341.0974517	13936.69	0.01233587	171.9211848
SANTA CLA	2021	T7 tractor	Aggregat	Aggregat	DSL	2088.95411	285995.5	0.078359319	22410.41127
SANTA CLA	2021	T7 tractor c	Aggregat	Aggregat	DSL	316.1708184	21960.84	0.102008802	2240.198777
SANTA CLA	2021	T7 utility	Aggregat	Aggregat	DSL	63.01877121	1278.567	0.006315328	8.07457266
SANTA CLA	2021	UBUS	Aggregat	Aggregat	DSL	423.0651153	46463.12	0.005906989	274.4571502
						<b>Total VMT</b>	<b>2434192</b>		

Total g-PM10 111277.7353  
 Emission Factor (total grams / total vmt) 0.045714444

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\*\* AERMOD Input Produced by:  
\*\* AERMOD View Ver. 9.8.1  
\*\* Lakes Environmental Software Inc.  
\*\* Date: 11/12/2019  
\*\* File: C:\Lakes\AERMOD View\Hyatt Hotel San Jose\Hyatt Hotel San Jose.ADI  
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\*\* AERMOD Control Pathway  
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AVERTIME 1 PERIOD  
URBANOPT 1035000 Population\_of\_San\_Jose  
POLLUTID PM\_10  
RUNORNOT R\_U\_N  
ERRORFIL "Hyatt Hotel San Jose.err"

CO FINISHED  
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\*\* AERMOD Source Pathway  
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SO STARTING  
\*\* Source Location \*\*  
\*\* Source ID - Type - X Coord. - Y Coord. \*\*  
\*\* -----  
\*\* Line Source Represented by Adjacent Volume Sources  
\*\* LINE VOLUME Source ID = EBSC  
\*\* DESCRSRC Eastbound West San Carlos Truck Traffic  
\*\* PREFIX  
\*\* Length of Side = 9.14  
\*\* Configuration = Adjacent  
\*\* Emission Rate = 0.000103894  
\*\* Vertical Dimension = 4.57  
\*\* SZINIT = 2.13  
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\*\* 596536.258, 4131314.296, 33.36, 3.05, 4.25  
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LOCATION L0001115	VOLUME	596250.794	4131307.363	34.70
LOCATION L0001116	VOLUME	596259.936	4131307.544	34.69
LOCATION L0001117	VOLUME	596269.080	4131307.628	34.67
LOCATION L0001118	VOLUME	596278.223	4131307.711	34.65
LOCATION L0001119	VOLUME	596287.367	4131307.795	34.61
LOCATION L0001120	VOLUME	596296.510	4131307.879	34.53
LOCATION L0001121	VOLUME	596305.654	4131307.963	34.51
LOCATION L0001122	VOLUME	596314.798	4131308.047	34.48
LOCATION L0001123	VOLUME	596323.941	4131308.131	34.45
LOCATION L0001124	VOLUME	596333.085	4131308.215	34.42
LOCATION L0001125	VOLUME	596342.228	4131308.299	34.36
LOCATION L0001126	VOLUME	596351.372	4131308.383	34.31
LOCATION L0001127	VOLUME	596360.516	4131308.466	34.25
LOCATION L0001128	VOLUME	596369.659	4131308.550	34.19
LOCATION L0001129	VOLUME	596378.803	4131308.634	34.09
LOCATION L0001130	VOLUME	596387.947	4131308.718	34.06
LOCATION L0001131	VOLUME	596397.090	4131308.802	34.05
LOCATION L0001132	VOLUME	596406.234	4131308.886	33.97
LOCATION L0001133	VOLUME	596415.377	4131308.970	33.98
LOCATION L0001134	VOLUME	596424.521	4131309.054	33.96
LOCATION L0001135	VOLUME	596433.665	4131309.138	33.97
LOCATION L0001136	VOLUME	596442.807	4131309.245	33.92
LOCATION L0001137	VOLUME	596451.938	4131309.738	33.93
LOCATION L0001138	VOLUME	596461.069	4131310.232	33.95
LOCATION L0001139	VOLUME	596470.200	4131310.726	33.88
LOCATION L0001140	VOLUME	596479.330	4131311.219	33.83
LOCATION L0001141	VOLUME	596488.461	4131311.713	33.77
LOCATION L0001142	VOLUME	596497.592	4131312.206	33.69
LOCATION L0001143	VOLUME	596506.722	4131312.700	33.62
LOCATION L0001144	VOLUME	596515.853	4131313.193	33.51
LOCATION L0001145	VOLUME	596524.984	4131313.687	33.46
LOCATION L0001146	VOLUME	596534.114	4131314.180	33.39
LOCATION L0001147	VOLUME	596543.236	4131314.808	33.33
LOCATION L0001148	VOLUME	596552.356	4131315.478	33.32
LOCATION L0001149	VOLUME	596561.475	4131316.147	33.18

LOCATION L0001150	VOLUME	596570.595	4131316.816	33.23
LOCATION L0001151	VOLUME	596579.714	4131317.486	33.20
LOCATION L0001152	VOLUME	596588.834	4131318.155	33.14
LOCATION L0001153	VOLUME	596597.953	4131318.824	33.15
LOCATION L0001154	VOLUME	596607.073	4131319.494	33.06
LOCATION L0001155	VOLUME	596616.192	4131320.163	32.99
LOCATION L0001156	VOLUME	596625.312	4131320.832	32.97
LOCATION L0001157	VOLUME	596634.431	4131321.502	32.91
LOCATION L0001158	VOLUME	596643.550	4131322.171	32.81
LOCATION L0001159	VOLUME	596652.670	4131322.840	32.80
LOCATION L0001160	VOLUME	596661.789	4131323.510	32.75
LOCATION L0001161	VOLUME	596670.909	4131324.179	32.72
LOCATION L0001162	VOLUME	596680.028	4131324.848	32.70
LOCATION L0001163	VOLUME	596689.148	4131325.518	32.72
LOCATION L0001164	VOLUME	596698.267	4131326.187	32.69
LOCATION L0001165	VOLUME	596707.387	4131326.856	32.57
LOCATION L0001166	VOLUME	596716.506	4131327.525	32.48
LOCATION L0001167	VOLUME	596725.631	4131328.109	32.44
LOCATION L0001168	VOLUME	596734.761	4131328.617	32.42
LOCATION L0001169	VOLUME	596743.891	4131329.124	32.42
LOCATION L0001170	VOLUME	596753.021	4131329.631	32.40
LOCATION L0001171	VOLUME	596762.151	4131330.138	32.36
LOCATION L0001172	VOLUME	596771.281	4131330.645	32.39
LOCATION L0001173	VOLUME	596780.411	4131331.153	32.36
LOCATION L0001174	VOLUME	596789.541	4131331.660	32.34
LOCATION L0001175	VOLUME	596798.671	4131332.167	32.29
LOCATION L0001176	VOLUME	596807.801	4131332.674	32.54
LOCATION L0001177	VOLUME	596816.930	4131333.181	32.41
LOCATION L0001178	VOLUME	596826.060	4131333.689	32.29
LOCATION L0001179	VOLUME	596835.190	4131334.196	32.28
LOCATION L0001180	VOLUME	596844.320	4131334.703	32.22
LOCATION L0001181	VOLUME	596853.450	4131335.210	32.15
LOCATION L0001182	VOLUME	596862.580	4131335.718	32.15
LOCATION L0001183	VOLUME	596871.710	4131336.225	32.14
LOCATION L0001184	VOLUME	596880.840	4131336.732	32.12
LOCATION L0001185	VOLUME	596889.970	4131337.239	32.02
LOCATION L0001186	VOLUME	596899.100	4131337.746	31.99
LOCATION L0001187	VOLUME	596908.230	4131338.254	31.94
LOCATION L0001188	VOLUME	596917.360	4131338.761	31.91
LOCATION L0001189	VOLUME	596926.455	4131339.685	31.84
LOCATION L0001190	VOLUME	596935.543	4131340.695	31.82
LOCATION L0001191	VOLUME	596944.631	4131341.704	31.81
LOCATION L0001192	VOLUME	596953.719	4131342.714	31.84
LOCATION L0001193	VOLUME	596962.807	4131343.724	31.78
LOCATION L0001194	VOLUME	596971.895	4131344.734	31.77
LOCATION L0001195	VOLUME	596980.983	4131345.743	31.82
LOCATION L0001196	VOLUME	596990.071	4131346.753	31.80

\*\* End of LINE VOLUME Source ID = EBSC

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\*\* Line Source Represented by Adjacent Volume Sources

\*\* LINE VOLUME Source ID = WBSC

\*\* DESCRSRC Westbound San Carlos Truck Traffic

\*\* PREFIX

\*\* Length of Side = 9.14

\*\* Configuration = Adjacent  
 \*\* Emission Rate = 0.000100125  
 \*\* Vertical Dimension = 4.57  
 \*\* SZINIT = 2.13  
 \*\* Nodes = 22  
 \*\* 595130.533, 4131299.931, 35.70, 3.05, 4.25  
 \*\* 595349.423, 4131302.531, 36.10, 3.05, 4.25  
 \*\* 595459.649, 4131305.131, 35.77, 3.05, 4.25  
 \*\* 595540.758, 4131306.690, 35.62, 3.05, 4.25  
 \*\* 595651.503, 4131309.290, 35.34, 3.05, 4.25  
 \*\* 595730.533, 4131310.330, 35.10, 3.05, 4.25  
 \*\* 595783.566, 4131312.410, 35.17, 3.05, 4.25  
 \*\* 595854.276, 4131313.970, 35.44, 3.05, 4.25  
 \*\* 595931.226, 4131315.009, 35.39, 3.05, 4.25  
 \*\* 596029.493, 4131316.569, 35.02, 3.05, 4.25  
 \*\* 596127.760, 4131319.169, 34.69, 3.05, 4.25  
 \*\* 596202.110, 4131319.689, 34.79, 3.05, 4.25  
 \*\* 596275.940, 4131321.768, 34.61, 3.05, 4.25  
 \*\* 596403.843, 4131322.808, 34.09, 3.05, 4.25  
 \*\* 596450.637, 4131323.848, 33.90, 3.05, 4.25  
 \*\* 596487.552, 4131325.408, 33.68, 3.05, 4.25  
 \*\* 596540.585, 4131328.008, 33.31, 3.05, 4.25  
 \*\* 596626.373, 4131334.247, 32.81, 3.05, 4.25  
 \*\* 596713.202, 4131339.966, 32.55, 3.05, 4.25  
 \*\* 596822.907, 4131345.685, 32.10, 3.05, 4.25  
 \*\* 596905.056, 4131350.885, 31.87, 3.05, 4.25  
 \*\* 596994.484, 4131359.203, 31.55, 3.05, 4.25  
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LOCATION L0000789	VOLUME	595135.104	4131299.986	35.73
LOCATION L0000790	VOLUME	595144.248	4131300.094	35.81
LOCATION L0000791	VOLUME	595153.391	4131300.203	35.77
LOCATION L0000792	VOLUME	595162.534	4131300.311	35.80
LOCATION L0000793	VOLUME	595171.678	4131300.420	35.84
LOCATION L0000794	VOLUME	595180.821	4131300.529	35.85
LOCATION L0000795	VOLUME	595189.964	4131300.637	35.94
LOCATION L0000796	VOLUME	595199.108	4131300.746	35.91
LOCATION L0000797	VOLUME	595208.251	4131300.854	35.87
LOCATION L0000798	VOLUME	595217.394	4131300.963	35.93
LOCATION L0000799	VOLUME	595226.538	4131301.072	35.95
LOCATION L0000800	VOLUME	595235.681	4131301.180	35.92
LOCATION L0000801	VOLUME	595244.824	4131301.289	35.90
LOCATION L0000802	VOLUME	595253.968	4131301.397	35.99
LOCATION L0000803	VOLUME	595263.111	4131301.506	36.00
LOCATION L0000804	VOLUME	595272.255	4131301.615	36.05
LOCATION L0000805	VOLUME	595281.398	4131301.723	36.02
LOCATION L0000806	VOLUME	595290.541	4131301.832	36.10
LOCATION L0000807	VOLUME	595299.685	4131301.940	36.08
LOCATION L0000808	VOLUME	595308.828	4131302.049	36.12
LOCATION L0000809	VOLUME	595317.971	4131302.158	36.06
LOCATION L0000810	VOLUME	595327.115	4131302.266	36.09
LOCATION L0000811	VOLUME	595336.258	4131302.375	36.11
LOCATION L0000812	VOLUME	595345.401	4131302.483	36.09
LOCATION L0000813	VOLUME	595354.544	4131302.652	36.10
LOCATION L0000814	VOLUME	595363.685	4131302.867	36.04

LOCATION L0000815	VOLUME	595372.827	4131303.083	36.04
LOCATION L0000816	VOLUME	595381.968	4131303.299	36.03
LOCATION L0000817	VOLUME	595391.110	4131303.514	35.95
LOCATION L0000818	VOLUME	595400.251	4131303.730	35.89
LOCATION L0000819	VOLUME	595409.392	4131303.945	35.93
LOCATION L0000820	VOLUME	595418.534	4131304.161	35.86
LOCATION L0000821	VOLUME	595427.675	4131304.377	36.00
LOCATION L0000822	VOLUME	595436.817	4131304.592	35.80
LOCATION L0000823	VOLUME	595445.958	4131304.808	35.81
LOCATION L0000824	VOLUME	595455.100	4131305.023	35.73
LOCATION L0000825	VOLUME	595464.242	4131305.219	35.71
LOCATION L0000826	VOLUME	595473.384	4131305.395	35.69
LOCATION L0000827	VOLUME	595482.526	4131305.571	35.67
LOCATION L0000828	VOLUME	595491.669	4131305.746	35.70
LOCATION L0000829	VOLUME	595500.811	4131305.922	35.64
LOCATION L0000830	VOLUME	595509.953	4131306.098	35.63
LOCATION L0000831	VOLUME	595519.095	4131306.274	35.73
LOCATION L0000832	VOLUME	595528.238	4131306.450	35.65
LOCATION L0000833	VOLUME	595537.380	4131306.626	35.55
LOCATION L0000834	VOLUME	595546.522	4131306.826	35.55
LOCATION L0000835	VOLUME	595555.663	4131307.040	35.54
LOCATION L0000836	VOLUME	595564.805	4131307.255	35.52
LOCATION L0000837	VOLUME	595573.946	4131307.470	35.47
LOCATION L0000838	VOLUME	595583.088	4131307.684	35.48
LOCATION L0000839	VOLUME	595592.229	4131307.899	35.43
LOCATION L0000840	VOLUME	595601.371	4131308.113	35.45
LOCATION L0000841	VOLUME	595610.512	4131308.328	35.43
LOCATION L0000842	VOLUME	595619.654	4131308.543	35.32
LOCATION L0000843	VOLUME	595628.795	4131308.757	35.27
LOCATION L0000844	VOLUME	595637.937	4131308.972	35.24
LOCATION L0000845	VOLUME	595647.078	4131309.186	35.23
LOCATION L0000846	VOLUME	595656.221	4131309.352	35.21
LOCATION L0000847	VOLUME	595665.364	4131309.473	35.21
LOCATION L0000848	VOLUME	595674.507	4131309.593	35.15
LOCATION L0000849	VOLUME	595683.650	4131309.713	35.02
LOCATION L0000850	VOLUME	595692.793	4131309.833	35.08
LOCATION L0000851	VOLUME	595701.937	4131309.954	35.05
LOCATION L0000852	VOLUME	595711.080	4131310.074	35.10
LOCATION L0000853	VOLUME	595720.223	4131310.194	35.10
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LOCATION L0000855	VOLUME	595738.504	4131310.643	35.11
LOCATION L0000856	VOLUME	595747.641	4131311.001	35.12
LOCATION L0000857	VOLUME	595756.778	4131311.359	35.11
LOCATION L0000858	VOLUME	595765.915	4131311.718	35.20
LOCATION L0000859	VOLUME	595775.052	4131312.076	35.16
LOCATION L0000860	VOLUME	595784.189	4131312.423	35.23
LOCATION L0000861	VOLUME	595793.331	4131312.625	35.31
LOCATION L0000862	VOLUME	595802.473	4131312.827	35.41
LOCATION L0000863	VOLUME	595811.615	4131313.028	35.50
LOCATION L0000864	VOLUME	595820.756	4131313.230	35.52
LOCATION L0000865	VOLUME	595829.898	4131313.432	35.50
LOCATION L0000866	VOLUME	595839.040	4131313.633	35.53
LOCATION L0000867	VOLUME	595848.182	4131313.835	35.50
LOCATION L0000868	VOLUME	595857.324	4131314.011	35.50

LOCATION L0000869	VOLUME	595866.467	4131314.134	35.50
LOCATION L0000870	VOLUME	595875.610	4131314.258	35.49
LOCATION L0000871	VOLUME	595884.753	4131314.381	35.51
LOCATION L0000872	VOLUME	595893.897	4131314.505	35.46
LOCATION L0000873	VOLUME	595903.040	4131314.628	35.42
LOCATION L0000874	VOLUME	595912.183	4131314.752	35.45
LOCATION L0000875	VOLUME	595921.326	4131314.876	35.39
LOCATION L0000876	VOLUME	595930.469	4131314.999	35.40
LOCATION L0000877	VOLUME	595939.612	4131315.142	35.42
LOCATION L0000878	VOLUME	595948.755	4131315.288	35.36
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LOCATION L0000884	VOLUME	596003.612	4131316.158	35.15
LOCATION L0000885	VOLUME	596012.755	4131316.303	35.12
LOCATION L0000886	VOLUME	596021.898	4131316.449	35.09
LOCATION L0000887	VOLUME	596031.040	4131316.610	35.05
LOCATION L0000888	VOLUME	596040.181	4131316.852	34.99
LOCATION L0000889	VOLUME	596049.322	4131317.094	34.97
LOCATION L0000890	VOLUME	596058.463	4131317.336	34.93
LOCATION L0000891	VOLUME	596067.603	4131317.577	34.85
LOCATION L0000892	VOLUME	596076.744	4131317.819	34.87
LOCATION L0000893	VOLUME	596085.885	4131318.061	34.81
LOCATION L0000894	VOLUME	596095.026	4131318.303	34.76
LOCATION L0000895	VOLUME	596104.167	4131318.545	34.75
LOCATION L0000896	VOLUME	596113.307	4131318.786	34.71
LOCATION L0000897	VOLUME	596122.448	4131319.028	34.69
LOCATION L0000898	VOLUME	596131.590	4131319.196	34.70
LOCATION L0000899	VOLUME	596140.734	4131319.260	34.70
LOCATION L0000900	VOLUME	596149.878	4131319.323	34.79
LOCATION L0000901	VOLUME	596159.022	4131319.387	34.79
LOCATION L0000902	VOLUME	596168.165	4131319.451	34.81
LOCATION L0000903	VOLUME	596177.309	4131319.515	34.76
LOCATION L0000904	VOLUME	596186.453	4131319.579	34.82
LOCATION L0000905	VOLUME	596195.597	4131319.643	34.80
LOCATION L0000906	VOLUME	596204.740	4131319.763	34.79
LOCATION L0000907	VOLUME	596213.880	4131320.020	34.79
LOCATION L0000908	VOLUME	596223.020	4131320.278	34.83
LOCATION L0000909	VOLUME	596232.161	4131320.535	34.79
LOCATION L0000910	VOLUME	596241.301	4131320.793	34.72
LOCATION L0000911	VOLUME	596250.441	4131321.050	34.68
LOCATION L0000912	VOLUME	596259.582	4131321.308	34.64
LOCATION L0000913	VOLUME	596268.722	4131321.565	34.62
LOCATION L0000914	VOLUME	596277.863	4131321.784	34.59
LOCATION L0000915	VOLUME	596287.007	4131321.858	34.55
LOCATION L0000916	VOLUME	596296.151	4131321.933	34.51
LOCATION L0000917	VOLUME	596305.294	4131322.007	34.49
LOCATION L0000918	VOLUME	596314.438	4131322.081	34.41
LOCATION L0000919	VOLUME	596323.582	4131322.156	34.41
LOCATION L0000920	VOLUME	596332.725	4131322.230	34.39
LOCATION L0000921	VOLUME	596341.869	4131322.304	34.35
LOCATION L0000922	VOLUME	596351.013	4131322.379	34.31

LOCATION L0000923	VOLUME	596360.156	4131322.453	34.32
LOCATION L0000924	VOLUME	596369.300	4131322.528	34.31
LOCATION L0000925	VOLUME	596378.444	4131322.602	34.20
LOCATION L0000926	VOLUME	596387.588	4131322.676	34.15
LOCATION L0000927	VOLUME	596396.731	4131322.751	34.08
LOCATION L0000928	VOLUME	596405.875	4131322.853	34.08
LOCATION L0000929	VOLUME	596415.016	4131323.057	34.05
LOCATION L0000930	VOLUME	596424.158	4131323.260	34.04
LOCATION L0000931	VOLUME	596433.300	4131323.463	34.03
LOCATION L0000932	VOLUME	596442.442	4131323.666	33.98
LOCATION L0000933	VOLUME	596451.583	4131323.888	33.90
LOCATION L0000934	VOLUME	596460.718	4131324.274	33.89
LOCATION L0000935	VOLUME	596469.854	4131324.660	33.90
LOCATION L0000936	VOLUME	596478.990	4131325.046	33.72
LOCATION L0000937	VOLUME	596488.126	4131325.436	33.70
LOCATION L0000938	VOLUME	596497.259	4131325.884	33.64
LOCATION L0000939	VOLUME	596506.392	4131326.332	33.55
LOCATION L0000940	VOLUME	596515.525	4131326.779	33.48
LOCATION L0000941	VOLUME	596524.658	4131327.227	33.44
LOCATION L0000942	VOLUME	596533.791	4131327.675	33.38
LOCATION L0000943	VOLUME	596542.921	4131328.178	33.34
LOCATION L0000944	VOLUME	596552.041	4131328.841	33.27
LOCATION L0000945	VOLUME	596561.161	4131329.504	33.23
LOCATION L0000946	VOLUME	596570.280	4131330.167	33.18
LOCATION L0000947	VOLUME	596579.400	4131330.831	33.17
LOCATION L0000948	VOLUME	596588.520	4131331.494	33.13
LOCATION L0000949	VOLUME	596597.640	4131332.157	33.06
LOCATION L0000950	VOLUME	596606.760	4131332.820	32.95
LOCATION L0000951	VOLUME	596615.880	4131333.484	32.84
LOCATION L0000952	VOLUME	596625.000	4131334.147	32.84
LOCATION L0000953	VOLUME	596634.123	4131334.757	32.75
LOCATION L0000954	VOLUME	596643.248	4131335.358	32.68
LOCATION L0000955	VOLUME	596652.372	4131335.959	32.63
LOCATION L0000956	VOLUME	596661.496	4131336.560	32.60
LOCATION L0000957	VOLUME	596670.620	4131337.161	32.62
LOCATION L0000958	VOLUME	596679.745	4131337.762	32.58
LOCATION L0000959	VOLUME	596688.869	4131338.363	32.60
LOCATION L0000960	VOLUME	596697.993	4131338.964	32.54
LOCATION L0000961	VOLUME	596707.117	4131339.565	32.55
LOCATION L0000962	VOLUME	596716.244	4131340.125	32.54
LOCATION L0000963	VOLUME	596725.376	4131340.601	32.50
LOCATION L0000964	VOLUME	596734.507	4131341.077	32.46
LOCATION L0000965	VOLUME	596743.639	4131341.553	32.40
LOCATION L0000966	VOLUME	596752.770	4131342.029	32.33
LOCATION L0000967	VOLUME	596761.902	4131342.505	32.28
LOCATION L0000968	VOLUME	596771.034	4131342.981	32.27
LOCATION L0000969	VOLUME	596780.165	4131343.457	32.24
LOCATION L0000970	VOLUME	596789.297	4131343.933	32.18
LOCATION L0000971	VOLUME	596798.428	4131344.409	32.14
LOCATION L0000972	VOLUME	596807.560	4131344.885	32.27
LOCATION L0000973	VOLUME	596816.692	4131345.361	32.15
LOCATION L0000974	VOLUME	596825.821	4131345.870	32.13
LOCATION L0000975	VOLUME	596834.947	4131346.447	32.09
LOCATION L0000976	VOLUME	596844.073	4131347.025	32.02

LOCATION L0000977	VOLUME	596853.199	4131347.602	31.97
LOCATION L0000978	VOLUME	596862.324	4131348.180	31.92
LOCATION L0000979	VOLUME	596871.450	4131348.758	31.92
LOCATION L0000980	VOLUME	596880.576	4131349.335	31.92
LOCATION L0000981	VOLUME	596889.702	4131349.913	31.88
LOCATION L0000982	VOLUME	596898.827	4131350.490	31.86
LOCATION L0000983	VOLUME	596907.946	4131351.153	31.86
LOCATION L0000984	VOLUME	596917.051	4131352.000	31.84
LOCATION L0000985	VOLUME	596926.156	4131352.847	31.78
LOCATION L0000986	VOLUME	596935.260	4131353.694	31.77
LOCATION L0000987	VOLUME	596944.365	4131354.541	31.72
LOCATION L0000988	VOLUME	596953.470	4131355.388	31.66
LOCATION L0000989	VOLUME	596962.574	4131356.235	31.65
LOCATION L0000990	VOLUME	596971.679	4131357.082	31.68
LOCATION L0000991	VOLUME	596980.784	4131357.929	31.69
LOCATION L0000992	VOLUME	596989.889	4131358.776	31.62

\*\* End of LINE VOLUME Source ID = WBSC

\*\* Source Parameters \*\*

\*\* LINE VOLUME Source ID = EBSC

SRCPARAM L0000993	0.0000005093	3.05	4.25	2.13
SRCPARAM L0000994	0.0000005093	3.05	4.25	2.13
SRCPARAM L0000995	0.0000005093	3.05	4.25	2.13
SRCPARAM L0000996	0.0000005093	3.05	4.25	2.13
SRCPARAM L0000997	0.0000005093	3.05	4.25	2.13
SRCPARAM L0000998	0.0000005093	3.05	4.25	2.13
SRCPARAM L0000999	0.0000005093	3.05	4.25	2.13
SRCPARAM L0001000	0.0000005093	3.05	4.25	2.13
SRCPARAM L0001001	0.0000005093	3.05	4.25	2.13
SRCPARAM L0001002	0.0000005093	3.05	4.25	2.13
SRCPARAM L0001003	0.0000005093	3.05	4.25	2.13
SRCPARAM L0001004	0.0000005093	3.05	4.25	2.13
SRCPARAM L0001005	0.0000005093	3.05	4.25	2.13
SRCPARAM L0001006	0.0000005093	3.05	4.25	2.13
SRCPARAM L0001007	0.0000005093	3.05	4.25	2.13
SRCPARAM L0001008	0.0000005093	3.05	4.25	2.13
SRCPARAM L0001009	0.0000005093	3.05	4.25	2.13
SRCPARAM L0001010	0.0000005093	3.05	4.25	2.13
SRCPARAM L0001011	0.0000005093	3.05	4.25	2.13
SRCPARAM L0001012	0.0000005093	3.05	4.25	2.13
SRCPARAM L0001013	0.0000005093	3.05	4.25	2.13
SRCPARAM L0001014	0.0000005093	3.05	4.25	2.13
SRCPARAM L0001015	0.0000005093	3.05	4.25	2.13
SRCPARAM L0001016	0.0000005093	3.05	4.25	2.13
SRCPARAM L0001017	0.0000005093	3.05	4.25	2.13
SRCPARAM L0001018	0.0000005093	3.05	4.25	2.13
SRCPARAM L0001019	0.0000005093	3.05	4.25	2.13
SRCPARAM L0001020	0.0000005093	3.05	4.25	2.13
SRCPARAM L0001021	0.0000005093	3.05	4.25	2.13
SRCPARAM L0001022	0.0000005093	3.05	4.25	2.13
SRCPARAM L0001023	0.0000005093	3.05	4.25	2.13
SRCPARAM L0001024	0.0000005093	3.05	4.25	2.13
SRCPARAM L0001025	0.0000005093	3.05	4.25	2.13
SRCPARAM L0001026	0.0000005093	3.05	4.25	2.13
SRCPARAM L0001027	0.0000005093	3.05	4.25	2.13







SRCPARAM L0001190	0.0000005093	3.05	4.25	2.13
SRCPARAM L0001191	0.0000005093	3.05	4.25	2.13
SRCPARAM L0001192	0.0000005093	3.05	4.25	2.13
SRCPARAM L0001193	0.0000005093	3.05	4.25	2.13
SRCPARAM L0001194	0.0000005093	3.05	4.25	2.13
SRCPARAM L0001195	0.0000005093	3.05	4.25	2.13
SRCPARAM L0001196	0.0000005093	3.05	4.25	2.13

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\*\* LINE VOLUME Source ID = WBSC

SRCPARAM L0000789	0.0000004908	3.05	4.25	2.13
SRCPARAM L0000790	0.0000004908	3.05	4.25	2.13
SRCPARAM L0000791	0.0000004908	3.05	4.25	2.13
SRCPARAM L0000792	0.0000004908	3.05	4.25	2.13
SRCPARAM L0000793	0.0000004908	3.05	4.25	2.13
SRCPARAM L0000794	0.0000004908	3.05	4.25	2.13
SRCPARAM L0000795	0.0000004908	3.05	4.25	2.13
SRCPARAM L0000796	0.0000004908	3.05	4.25	2.13
SRCPARAM L0000797	0.0000004908	3.05	4.25	2.13
SRCPARAM L0000798	0.0000004908	3.05	4.25	2.13
SRCPARAM L0000799	0.0000004908	3.05	4.25	2.13
SRCPARAM L0000800	0.0000004908	3.05	4.25	2.13
SRCPARAM L0000801	0.0000004908	3.05	4.25	2.13
SRCPARAM L0000802	0.0000004908	3.05	4.25	2.13
SRCPARAM L0000803	0.0000004908	3.05	4.25	2.13
SRCPARAM L0000804	0.0000004908	3.05	4.25	2.13
SRCPARAM L0000805	0.0000004908	3.05	4.25	2.13
SRCPARAM L0000806	0.0000004908	3.05	4.25	2.13
SRCPARAM L0000807	0.0000004908	3.05	4.25	2.13
SRCPARAM L0000808	0.0000004908	3.05	4.25	2.13
SRCPARAM L0000809	0.0000004908	3.05	4.25	2.13
SRCPARAM L0000810	0.0000004908	3.05	4.25	2.13
SRCPARAM L0000811	0.0000004908	3.05	4.25	2.13
SRCPARAM L0000812	0.0000004908	3.05	4.25	2.13
SRCPARAM L0000813	0.0000004908	3.05	4.25	2.13
SRCPARAM L0000814	0.0000004908	3.05	4.25	2.13
SRCPARAM L0000815	0.0000004908	3.05	4.25	2.13
SRCPARAM L0000816	0.0000004908	3.05	4.25	2.13
SRCPARAM L0000817	0.0000004908	3.05	4.25	2.13
SRCPARAM L0000818	0.0000004908	3.05	4.25	2.13
SRCPARAM L0000819	0.0000004908	3.05	4.25	2.13
SRCPARAM L0000820	0.0000004908	3.05	4.25	2.13
SRCPARAM L0000821	0.0000004908	3.05	4.25	2.13
SRCPARAM L0000822	0.0000004908	3.05	4.25	2.13
SRCPARAM L0000823	0.0000004908	3.05	4.25	2.13
SRCPARAM L0000824	0.0000004908	3.05	4.25	2.13
SRCPARAM L0000825	0.0000004908	3.05	4.25	2.13
SRCPARAM L0000826	0.0000004908	3.05	4.25	2.13
SRCPARAM L0000827	0.0000004908	3.05	4.25	2.13
SRCPARAM L0000828	0.0000004908	3.05	4.25	2.13
SRCPARAM L0000829	0.0000004908	3.05	4.25	2.13
SRCPARAM L0000830	0.0000004908	3.05	4.25	2.13
SRCPARAM L0000831	0.0000004908	3.05	4.25	2.13
SRCPARAM L0000832	0.0000004908	3.05	4.25	2.13
SRCPARAM L0000833	0.0000004908	3.05	4.25	2.13







SO FINISHED

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\*\* AERMOD Receptor Pathway  
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RE STARTING  
INCLUDED "Hyatt Hotel San Jose.rou"

RE FINISHED  
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\*\* AERMOD Meteorology Pathway  
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ME STARTING  
SURFFILE AERMET\724945\724945.SFC  
PROFFILE AERMET\724945\724945.PFL  
SURFDATA 23293 2009 San\_Jose\_Mineta\_Airport  
UAIRDATA 23230 2009 OAKLAND/WSO\_AP  
PROFBASE 15.5 METERS

ME FINISHED  
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\*\* AERMOD Output Pathway  
\*\*\*\*\*

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OU STARTING  
RECTABLE ALLAVE 1ST  
RECTABLE 1 1ST  
\*\* Auto-Generated Plotfiles  
PLOTFILE 1 ALL 1ST "Hyatt Hotel San Jose.AD\01H1GALL.PLT" 31  
PLOTFILE PERIOD ALL "Hyatt Hotel San Jose.AD\PE00GALL.PLT" 32  
SUMMFILE "Hyatt Hotel San Jose.sum"

OU FINISHED  
\*\*

\*\*\*\*\*  
\*\* Project Parameters  
\*\*\*\*\*

\*\* PROJCTN CoordinateSystemUTM  
\*\* DESCPTN UTM: Universal Transverse Mercator  
\*\* DATUM World Geodetic System 1984  
\*\* DTMRGN Global Definition  
\*\* UNITS m  
\*\* ZONE 10  
\*\* ZONEINX 0

\*\*  
\*\*

\*\* Lakes Environmental AERMOD MPI

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\*\*\*\*\*

\*\* AERMOD Input Produced by:

\*\* AERMOD View Ver. 9.8.1

\*\* Lakes Environmental Software Inc.

\*\* Date: 11/12/2019

\*\* File: C:\Lakes\AERMOD View\Hyatt Hotel San Jose\Hyatt Hotel San Jose.ADI

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\*\* AERMOD Control Pathway

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\*\*\*\*\*

CO STARTING

TITLEONE C:\Lakes\AERMOD View\Hyatt Hotel San Jose\Hyatt Hotel San Jose.isc

MODELOPT DFAULT CONC

AVERTIME 1 PERIOD

URBANOPT 1035000 Population\_of\_San\_Jose

POLLUTID PM\_10

RUNORNOT RUN

ERRORFIL "Hyatt Hotel San Jose.err"

CO FINISHED

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\*\* AERMOD Source Pathway

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\*\*\*\*\*

SO STARTING

\*\* Source Location \*\*

\*\* Source ID - Type - X Coord. - Y Coord. \*\*

\*\* -----

\*\* Line Source Represented by Adjacent Volume Sources

\*\* LINE VOLUME Source ID = EBSC

\*\* DESCRSRC Eastbound West San Carlos Truck Traffic

\*\* PREFIX

\*\* Length of Side = 9.14

\*\* Configuration = Adjacent

\*\* Emission Rate = 0.000103894

\*\* Vertical Dimension = 4.57

\*\* SZINIT = 2.13

\*\* Nodes = 11

\*\* 595130.908, 4131283.819, 35.79, 3.05, 4.25

\*\* 595528.808, 4131291.438, 35.50, 3.05, 4.25

\*\* 595774.321, 4131295.671, 35.42, 3.05, 4.25

\*\* 595887.765, 4131298.211, 35.88, 3.05, 4.25

\*\* 596037.613, 4131302.444, 35.22, 3.05, 4.25

\*\* 596257.728, 4131307.523, 34.57, 3.05, 4.25

\*\* 596442.286, 4131309.217, 33.83, 3.05, 4.25

\*\* 596536.258, 4131314.296, 33.36, 3.05, 4.25  
\*\* 596720.816, 4131327.842, 32.45, 3.05, 4.25  
\*\* 596918.919, 4131338.848, 31.95, 3.05, 4.25  
\*\* 596995.113, 4131347.313, 31.87, 3.05, 4.25

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LOCATION L0000993	VOLUME	595135.479	4131283.906	35.77
LOCATION L0000994	VOLUME	595144.622	4131284.081	35.81
LOCATION L0000995	VOLUME	595153.764	4131284.256	35.82
LOCATION L0000996	VOLUME	595162.906	4131284.431	35.79
LOCATION L0000997	VOLUME	595172.049	4131284.607	35.81
LOCATION L0000998	VOLUME	595181.191	4131284.782	35.79
LOCATION L0000999	VOLUME	595190.333	4131284.957	35.84
LOCATION L0001000	VOLUME	595199.476	4131285.132	35.84
LOCATION L0001001	VOLUME	595208.618	4131285.307	35.86
LOCATION L0001002	VOLUME	595217.760	4131285.482	35.88
LOCATION L0001003	VOLUME	595226.903	4131285.657	35.94
LOCATION L0001004	VOLUME	595236.045	4131285.832	35.92
LOCATION L0001005	VOLUME	595245.187	4131286.007	35.91
LOCATION L0001006	VOLUME	595254.330	4131286.182	35.93
LOCATION L0001007	VOLUME	595263.472	4131286.357	35.94
LOCATION L0001008	VOLUME	595272.614	4131286.532	35.95
LOCATION L0001009	VOLUME	595281.757	4131286.707	35.93
LOCATION L0001010	VOLUME	595290.899	4131286.882	35.90
LOCATION L0001011	VOLUME	595300.041	4131287.057	35.91
LOCATION L0001012	VOLUME	595309.184	4131287.233	35.89
LOCATION L0001013	VOLUME	595318.326	4131287.408	35.89
LOCATION L0001014	VOLUME	595327.468	4131287.583	35.92
LOCATION L0001015	VOLUME	595336.611	4131287.758	35.93
LOCATION L0001016	VOLUME	595345.753	4131287.933	35.86
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LOCATION L0001018	VOLUME	595364.038	4131288.283	35.85
LOCATION L0001019	VOLUME	595373.180	4131288.458	35.95
LOCATION L0001020	VOLUME	595382.322	4131288.633	35.90
LOCATION L0001021	VOLUME	595391.464	4131288.808	35.88
LOCATION L0001022	VOLUME	595400.607	4131288.983	35.78
LOCATION L0001023	VOLUME	595409.749	4131289.158	35.76
LOCATION L0001024	VOLUME	595418.891	4131289.333	35.77
LOCATION L0001025	VOLUME	595428.034	4131289.508	35.77
LOCATION L0001026	VOLUME	595437.176	4131289.683	35.67
LOCATION L0001027	VOLUME	595446.318	4131289.859	35.71
LOCATION L0001028	VOLUME	595455.461	4131290.034	35.65
LOCATION L0001029	VOLUME	595464.603	4131290.209	35.65
LOCATION L0001030	VOLUME	595473.745	4131290.384	35.63
LOCATION L0001031	VOLUME	595482.888	4131290.559	35.59
LOCATION L0001032	VOLUME	595492.030	4131290.734	35.57
LOCATION L0001033	VOLUME	595501.172	4131290.909	35.54
LOCATION L0001034	VOLUME	595510.315	4131291.084	35.54
LOCATION L0001035	VOLUME	595519.457	4131291.259	35.58
LOCATION L0001036	VOLUME	595528.599	4131291.434	35.49
LOCATION L0001037	VOLUME	595537.742	4131291.592	35.45
LOCATION L0001038	VOLUME	595546.885	4131291.750	35.43
LOCATION L0001039	VOLUME	595556.027	4131291.907	35.42
LOCATION L0001040	VOLUME	595565.170	4131292.065	35.45
LOCATION L0001041	VOLUME	595574.313	4131292.223	35.47

LOCATION L0001042	VOLUME	595583.455	4131292.380	35.37
LOCATION L0001043	VOLUME	595592.598	4131292.538	35.31
LOCATION L0001044	VOLUME	595601.740	4131292.696	35.30
LOCATION L0001045	VOLUME	595610.883	4131292.853	35.34
LOCATION L0001046	VOLUME	595620.026	4131293.011	35.33
LOCATION L0001047	VOLUME	595629.168	4131293.168	35.40
LOCATION L0001048	VOLUME	595638.311	4131293.326	35.33
LOCATION L0001049	VOLUME	595647.454	4131293.484	35.26
LOCATION L0001050	VOLUME	595656.596	4131293.641	35.30
LOCATION L0001051	VOLUME	595665.739	4131293.799	35.28
LOCATION L0001052	VOLUME	595674.882	4131293.957	35.21
LOCATION L0001053	VOLUME	595684.024	4131294.114	35.20
LOCATION L0001054	VOLUME	595693.167	4131294.272	35.16
LOCATION L0001055	VOLUME	595702.310	4131294.430	35.19
LOCATION L0001056	VOLUME	595711.452	4131294.587	35.23
LOCATION L0001057	VOLUME	595720.595	4131294.745	35.27
LOCATION L0001058	VOLUME	595729.737	4131294.902	35.33
LOCATION L0001059	VOLUME	595738.880	4131295.060	35.30
LOCATION L0001060	VOLUME	595748.023	4131295.218	35.36
LOCATION L0001061	VOLUME	595757.165	4131295.375	35.35
LOCATION L0001062	VOLUME	595766.308	4131295.533	35.44
LOCATION L0001063	VOLUME	595775.451	4131295.696	35.44
LOCATION L0001064	VOLUME	595784.592	4131295.901	35.54
LOCATION L0001065	VOLUME	595793.734	4131296.106	35.60
LOCATION L0001066	VOLUME	595802.876	4131296.310	35.64
LOCATION L0001067	VOLUME	595812.017	4131296.515	35.64
LOCATION L0001068	VOLUME	595821.159	4131296.720	35.67
LOCATION L0001069	VOLUME	595830.301	4131296.924	35.77
LOCATION L0001070	VOLUME	595839.443	4131297.129	35.83
LOCATION L0001071	VOLUME	595848.584	4131297.334	35.86
LOCATION L0001072	VOLUME	595857.726	4131297.538	35.88
LOCATION L0001073	VOLUME	595866.868	4131297.743	35.90
LOCATION L0001074	VOLUME	595876.009	4131297.948	35.88
LOCATION L0001075	VOLUME	595885.151	4131298.152	35.88
LOCATION L0001076	VOLUME	595894.292	4131298.395	35.82
LOCATION L0001077	VOLUME	595903.432	4131298.653	35.83
LOCATION L0001078	VOLUME	595912.573	4131298.912	35.84
LOCATION L0001079	VOLUME	595921.713	4131299.170	35.73
LOCATION L0001080	VOLUME	595930.853	4131299.428	35.66
LOCATION L0001081	VOLUME	595939.994	4131299.686	35.64
LOCATION L0001082	VOLUME	595949.134	4131299.944	35.60
LOCATION L0001083	VOLUME	595958.274	4131300.203	35.52
LOCATION L0001084	VOLUME	595967.415	4131300.461	35.50
LOCATION L0001085	VOLUME	595976.555	4131300.719	35.47
LOCATION L0001086	VOLUME	595985.695	4131300.977	35.46
LOCATION L0001087	VOLUME	595994.836	4131301.235	35.37
LOCATION L0001088	VOLUME	596003.976	4131301.494	35.40
LOCATION L0001089	VOLUME	596013.116	4131301.752	35.33
LOCATION L0001090	VOLUME	596022.257	4131302.010	35.25
LOCATION L0001091	VOLUME	596031.397	4131302.268	35.21
LOCATION L0001092	VOLUME	596040.538	4131302.511	35.16
LOCATION L0001093	VOLUME	596049.679	4131302.722	35.11
LOCATION L0001094	VOLUME	596058.821	4131302.933	35.11
LOCATION L0001095	VOLUME	596067.963	4131303.144	35.04

LOCATION L0001096	VOLUME	596077.104	4131303.355	34.99
LOCATION L0001097	VOLUME	596086.246	4131303.566	34.93
LOCATION L0001098	VOLUME	596095.387	4131303.777	34.92
LOCATION L0001099	VOLUME	596104.529	4131303.988	34.98
LOCATION L0001100	VOLUME	596113.670	4131304.199	34.99
LOCATION L0001101	VOLUME	596122.812	4131304.410	34.93
LOCATION L0001102	VOLUME	596131.954	4131304.621	34.85
LOCATION L0001103	VOLUME	596141.095	4131304.832	34.81
LOCATION L0001104	VOLUME	596150.237	4131305.043	34.80
LOCATION L0001105	VOLUME	596159.378	4131305.254	34.75
LOCATION L0001106	VOLUME	596168.520	4131305.465	34.76
LOCATION L0001107	VOLUME	596177.661	4131305.676	34.74
LOCATION L0001108	VOLUME	596186.803	4131305.887	34.73
LOCATION L0001109	VOLUME	596195.944	4131306.098	34.72
LOCATION L0001110	VOLUME	596205.086	4131306.309	34.72
LOCATION L0001111	VOLUME	596214.228	4131306.520	34.68
LOCATION L0001112	VOLUME	596223.369	4131306.731	34.71
LOCATION L0001113	VOLUME	596232.511	4131306.942	34.77
LOCATION L0001114	VOLUME	596241.652	4131307.152	34.74
LOCATION L0001115	VOLUME	596250.794	4131307.363	34.70
LOCATION L0001116	VOLUME	596259.936	4131307.544	34.69
LOCATION L0001117	VOLUME	596269.080	4131307.628	34.67
LOCATION L0001118	VOLUME	596278.223	4131307.711	34.65
LOCATION L0001119	VOLUME	596287.367	4131307.795	34.61
LOCATION L0001120	VOLUME	596296.510	4131307.879	34.53
LOCATION L0001121	VOLUME	596305.654	4131307.963	34.51
LOCATION L0001122	VOLUME	596314.798	4131308.047	34.48
LOCATION L0001123	VOLUME	596323.941	4131308.131	34.45
LOCATION L0001124	VOLUME	596333.085	4131308.215	34.42
LOCATION L0001125	VOLUME	596342.228	4131308.299	34.36
LOCATION L0001126	VOLUME	596351.372	4131308.383	34.31
LOCATION L0001127	VOLUME	596360.516	4131308.466	34.25
LOCATION L0001128	VOLUME	596369.659	4131308.550	34.19
LOCATION L0001129	VOLUME	596378.803	4131308.634	34.09
LOCATION L0001130	VOLUME	596387.947	4131308.718	34.06
LOCATION L0001131	VOLUME	596397.090	4131308.802	34.05
LOCATION L0001132	VOLUME	596406.234	4131308.886	33.97
LOCATION L0001133	VOLUME	596415.377	4131308.970	33.98
LOCATION L0001134	VOLUME	596424.521	4131309.054	33.96
LOCATION L0001135	VOLUME	596433.665	4131309.138	33.97
LOCATION L0001136	VOLUME	596442.807	4131309.245	33.92
LOCATION L0001137	VOLUME	596451.938	4131309.738	33.93
LOCATION L0001138	VOLUME	596461.069	4131310.232	33.95
LOCATION L0001139	VOLUME	596470.200	4131310.726	33.88
LOCATION L0001140	VOLUME	596479.330	4131311.219	33.83
LOCATION L0001141	VOLUME	596488.461	4131311.713	33.77
LOCATION L0001142	VOLUME	596497.592	4131312.206	33.69
LOCATION L0001143	VOLUME	596506.722	4131312.700	33.62
LOCATION L0001144	VOLUME	596515.853	4131313.193	33.51
LOCATION L0001145	VOLUME	596524.984	4131313.687	33.46
LOCATION L0001146	VOLUME	596534.114	4131314.180	33.39
LOCATION L0001147	VOLUME	596543.236	4131314.808	33.33
LOCATION L0001148	VOLUME	596552.356	4131315.478	33.32
LOCATION L0001149	VOLUME	596561.475	4131316.147	33.18

LOCATION L0001150	VOLUME	596570.595	4131316.816	33.23
LOCATION L0001151	VOLUME	596579.714	4131317.486	33.20
LOCATION L0001152	VOLUME	596588.834	4131318.155	33.14
LOCATION L0001153	VOLUME	596597.953	4131318.824	33.15
LOCATION L0001154	VOLUME	596607.073	4131319.494	33.06
LOCATION L0001155	VOLUME	596616.192	4131320.163	32.99
LOCATION L0001156	VOLUME	596625.312	4131320.832	32.97
LOCATION L0001157	VOLUME	596634.431	4131321.502	32.91
LOCATION L0001158	VOLUME	596643.550	4131322.171	32.81
LOCATION L0001159	VOLUME	596652.670	4131322.840	32.80
LOCATION L0001160	VOLUME	596661.789	4131323.510	32.75
LOCATION L0001161	VOLUME	596670.909	4131324.179	32.72
LOCATION L0001162	VOLUME	596680.028	4131324.848	32.70
LOCATION L0001163	VOLUME	596689.148	4131325.518	32.72
LOCATION L0001164	VOLUME	596698.267	4131326.187	32.69
LOCATION L0001165	VOLUME	596707.387	4131326.856	32.57
LOCATION L0001166	VOLUME	596716.506	4131327.525	32.48
LOCATION L0001167	VOLUME	596725.631	4131328.109	32.44
LOCATION L0001168	VOLUME	596734.761	4131328.617	32.42
LOCATION L0001169	VOLUME	596743.891	4131329.124	32.42
LOCATION L0001170	VOLUME	596753.021	4131329.631	32.40
LOCATION L0001171	VOLUME	596762.151	4131330.138	32.36
LOCATION L0001172	VOLUME	596771.281	4131330.645	32.39
LOCATION L0001173	VOLUME	596780.411	4131331.153	32.36
LOCATION L0001174	VOLUME	596789.541	4131331.660	32.34
LOCATION L0001175	VOLUME	596798.671	4131332.167	32.29
LOCATION L0001176	VOLUME	596807.801	4131332.674	32.54
LOCATION L0001177	VOLUME	596816.930	4131333.181	32.41
LOCATION L0001178	VOLUME	596826.060	4131333.689	32.29
LOCATION L0001179	VOLUME	596835.190	4131334.196	32.28
LOCATION L0001180	VOLUME	596844.320	4131334.703	32.22
LOCATION L0001181	VOLUME	596853.450	4131335.210	32.15
LOCATION L0001182	VOLUME	596862.580	4131335.718	32.15
LOCATION L0001183	VOLUME	596871.710	4131336.225	32.14
LOCATION L0001184	VOLUME	596880.840	4131336.732	32.12
LOCATION L0001185	VOLUME	596889.970	4131337.239	32.02
LOCATION L0001186	VOLUME	596899.100	4131337.746	31.99
LOCATION L0001187	VOLUME	596908.230	4131338.254	31.94
LOCATION L0001188	VOLUME	596917.360	4131338.761	31.91
LOCATION L0001189	VOLUME	596926.455	4131339.685	31.84
LOCATION L0001190	VOLUME	596935.543	4131340.695	31.82
LOCATION L0001191	VOLUME	596944.631	4131341.704	31.81
LOCATION L0001192	VOLUME	596953.719	4131342.714	31.84
LOCATION L0001193	VOLUME	596962.807	4131343.724	31.78
LOCATION L0001194	VOLUME	596971.895	4131344.734	31.77
LOCATION L0001195	VOLUME	596980.983	4131345.743	31.82
LOCATION L0001196	VOLUME	596990.071	4131346.753	31.80

\*\* End of LINE VOLUME Source ID = EBSC

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\*\* Line Source Represented by Adjacent Volume Sources

\*\* LINE VOLUME Source ID = WBSC

\*\* DESCRSRC Westbound San Carlos Truck Traffic

\*\* PREFIX

\*\* Length of Side = 9.14

\*\* Configuration = Adjacent  
 \*\* Emission Rate = 0.000100125  
 \*\* Vertical Dimension = 4.57  
 \*\* SZINIT = 2.13  
 \*\* Nodes = 22  
 \*\* 595130.533, 4131299.931, 35.70, 3.05, 4.25  
 \*\* 595349.423, 4131302.531, 36.10, 3.05, 4.25  
 \*\* 595459.649, 4131305.131, 35.77, 3.05, 4.25  
 \*\* 595540.758, 4131306.690, 35.62, 3.05, 4.25  
 \*\* 595651.503, 4131309.290, 35.34, 3.05, 4.25  
 \*\* 595730.533, 4131310.330, 35.10, 3.05, 4.25  
 \*\* 595783.566, 4131312.410, 35.17, 3.05, 4.25  
 \*\* 595854.276, 4131313.970, 35.44, 3.05, 4.25  
 \*\* 595931.226, 4131315.009, 35.39, 3.05, 4.25  
 \*\* 596029.493, 4131316.569, 35.02, 3.05, 4.25  
 \*\* 596127.760, 4131319.169, 34.69, 3.05, 4.25  
 \*\* 596202.110, 4131319.689, 34.79, 3.05, 4.25  
 \*\* 596275.940, 4131321.768, 34.61, 3.05, 4.25  
 \*\* 596403.843, 4131322.808, 34.09, 3.05, 4.25  
 \*\* 596450.637, 4131323.848, 33.90, 3.05, 4.25  
 \*\* 596487.552, 4131325.408, 33.68, 3.05, 4.25  
 \*\* 596540.585, 4131328.008, 33.31, 3.05, 4.25  
 \*\* 596626.373, 4131334.247, 32.81, 3.05, 4.25  
 \*\* 596713.202, 4131339.966, 32.55, 3.05, 4.25  
 \*\* 596822.907, 4131345.685, 32.10, 3.05, 4.25  
 \*\* 596905.056, 4131350.885, 31.87, 3.05, 4.25  
 \*\* 596994.484, 4131359.203, 31.55, 3.05, 4.25  
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LOCATION L0000789	VOLUME	595135.104	4131299.986	35.73
LOCATION L0000790	VOLUME	595144.248	4131300.094	35.81
LOCATION L0000791	VOLUME	595153.391	4131300.203	35.77
LOCATION L0000792	VOLUME	595162.534	4131300.311	35.80
LOCATION L0000793	VOLUME	595171.678	4131300.420	35.84
LOCATION L0000794	VOLUME	595180.821	4131300.529	35.85
LOCATION L0000795	VOLUME	595189.964	4131300.637	35.94
LOCATION L0000796	VOLUME	595199.108	4131300.746	35.91
LOCATION L0000797	VOLUME	595208.251	4131300.854	35.87
LOCATION L0000798	VOLUME	595217.394	4131300.963	35.93
LOCATION L0000799	VOLUME	595226.538	4131301.072	35.95
LOCATION L0000800	VOLUME	595235.681	4131301.180	35.92
LOCATION L0000801	VOLUME	595244.824	4131301.289	35.90
LOCATION L0000802	VOLUME	595253.968	4131301.397	35.99
LOCATION L0000803	VOLUME	595263.111	4131301.506	36.00
LOCATION L0000804	VOLUME	595272.255	4131301.615	36.05
LOCATION L0000805	VOLUME	595281.398	4131301.723	36.02
LOCATION L0000806	VOLUME	595290.541	4131301.832	36.10
LOCATION L0000807	VOLUME	595299.685	4131301.940	36.08
LOCATION L0000808	VOLUME	595308.828	4131302.049	36.12
LOCATION L0000809	VOLUME	595317.971	4131302.158	36.06
LOCATION L0000810	VOLUME	595327.115	4131302.266	36.09
LOCATION L0000811	VOLUME	595336.258	4131302.375	36.11
LOCATION L0000812	VOLUME	595345.401	4131302.483	36.09
LOCATION L0000813	VOLUME	595354.544	4131302.652	36.10
LOCATION L0000814	VOLUME	595363.685	4131302.867	36.04

LOCATION L0000815	VOLUME	595372.827	4131303.083	36.04
LOCATION L0000816	VOLUME	595381.968	4131303.299	36.03
LOCATION L0000817	VOLUME	595391.110	4131303.514	35.95
LOCATION L0000818	VOLUME	595400.251	4131303.730	35.89
LOCATION L0000819	VOLUME	595409.392	4131303.945	35.93
LOCATION L0000820	VOLUME	595418.534	4131304.161	35.86
LOCATION L0000821	VOLUME	595427.675	4131304.377	36.00
LOCATION L0000822	VOLUME	595436.817	4131304.592	35.80
LOCATION L0000823	VOLUME	595445.958	4131304.808	35.81
LOCATION L0000824	VOLUME	595455.100	4131305.023	35.73
LOCATION L0000825	VOLUME	595464.242	4131305.219	35.71
LOCATION L0000826	VOLUME	595473.384	4131305.395	35.69
LOCATION L0000827	VOLUME	595482.526	4131305.571	35.67
LOCATION L0000828	VOLUME	595491.669	4131305.746	35.70
LOCATION L0000829	VOLUME	595500.811	4131305.922	35.64
LOCATION L0000830	VOLUME	595509.953	4131306.098	35.63
LOCATION L0000831	VOLUME	595519.095	4131306.274	35.73
LOCATION L0000832	VOLUME	595528.238	4131306.450	35.65
LOCATION L0000833	VOLUME	595537.380	4131306.626	35.55
LOCATION L0000834	VOLUME	595546.522	4131306.826	35.55
LOCATION L0000835	VOLUME	595555.663	4131307.040	35.54
LOCATION L0000836	VOLUME	595564.805	4131307.255	35.52
LOCATION L0000837	VOLUME	595573.946	4131307.470	35.47
LOCATION L0000838	VOLUME	595583.088	4131307.684	35.48
LOCATION L0000839	VOLUME	595592.229	4131307.899	35.43
LOCATION L0000840	VOLUME	595601.371	4131308.113	35.45
LOCATION L0000841	VOLUME	595610.512	4131308.328	35.43
LOCATION L0000842	VOLUME	595619.654	4131308.543	35.32
LOCATION L0000843	VOLUME	595628.795	4131308.757	35.27
LOCATION L0000844	VOLUME	595637.937	4131308.972	35.24
LOCATION L0000845	VOLUME	595647.078	4131309.186	35.23
LOCATION L0000846	VOLUME	595656.221	4131309.352	35.21
LOCATION L0000847	VOLUME	595665.364	4131309.473	35.21
LOCATION L0000848	VOLUME	595674.507	4131309.593	35.15
LOCATION L0000849	VOLUME	595683.650	4131309.713	35.02
LOCATION L0000850	VOLUME	595692.793	4131309.833	35.08
LOCATION L0000851	VOLUME	595701.937	4131309.954	35.05
LOCATION L0000852	VOLUME	595711.080	4131310.074	35.10
LOCATION L0000853	VOLUME	595720.223	4131310.194	35.10
LOCATION L0000854	VOLUME	595729.366	4131310.315	35.14
LOCATION L0000855	VOLUME	595738.504	4131310.643	35.11
LOCATION L0000856	VOLUME	595747.641	4131311.001	35.12
LOCATION L0000857	VOLUME	595756.778	4131311.359	35.11
LOCATION L0000858	VOLUME	595765.915	4131311.718	35.20
LOCATION L0000859	VOLUME	595775.052	4131312.076	35.16
LOCATION L0000860	VOLUME	595784.189	4131312.423	35.23
LOCATION L0000861	VOLUME	595793.331	4131312.625	35.31
LOCATION L0000862	VOLUME	595802.473	4131312.827	35.41
LOCATION L0000863	VOLUME	595811.615	4131313.028	35.50
LOCATION L0000864	VOLUME	595820.756	4131313.230	35.52
LOCATION L0000865	VOLUME	595829.898	4131313.432	35.50
LOCATION L0000866	VOLUME	595839.040	4131313.633	35.53
LOCATION L0000867	VOLUME	595848.182	4131313.835	35.50
LOCATION L0000868	VOLUME	595857.324	4131314.011	35.50

LOCATION L0000869	VOLUME	595866.467	4131314.134	35.50
LOCATION L0000870	VOLUME	595875.610	4131314.258	35.49
LOCATION L0000871	VOLUME	595884.753	4131314.381	35.51
LOCATION L0000872	VOLUME	595893.897	4131314.505	35.46
LOCATION L0000873	VOLUME	595903.040	4131314.628	35.42
LOCATION L0000874	VOLUME	595912.183	4131314.752	35.45
LOCATION L0000875	VOLUME	595921.326	4131314.876	35.39
LOCATION L0000876	VOLUME	595930.469	4131314.999	35.40
LOCATION L0000877	VOLUME	595939.612	4131315.142	35.42
LOCATION L0000878	VOLUME	595948.755	4131315.288	35.36
LOCATION L0000879	VOLUME	595957.898	4131315.433	35.31
LOCATION L0000880	VOLUME	595967.041	4131315.578	35.28
LOCATION L0000881	VOLUME	595976.183	4131315.723	35.28
LOCATION L0000882	VOLUME	595985.326	4131315.868	35.24
LOCATION L0000883	VOLUME	595994.469	4131316.013	35.13
LOCATION L0000884	VOLUME	596003.612	4131316.158	35.15
LOCATION L0000885	VOLUME	596012.755	4131316.303	35.12
LOCATION L0000886	VOLUME	596021.898	4131316.449	35.09
LOCATION L0000887	VOLUME	596031.040	4131316.610	35.05
LOCATION L0000888	VOLUME	596040.181	4131316.852	34.99
LOCATION L0000889	VOLUME	596049.322	4131317.094	34.97
LOCATION L0000890	VOLUME	596058.463	4131317.336	34.93
LOCATION L0000891	VOLUME	596067.603	4131317.577	34.85
LOCATION L0000892	VOLUME	596076.744	4131317.819	34.87
LOCATION L0000893	VOLUME	596085.885	4131318.061	34.81
LOCATION L0000894	VOLUME	596095.026	4131318.303	34.76
LOCATION L0000895	VOLUME	596104.167	4131318.545	34.75
LOCATION L0000896	VOLUME	596113.307	4131318.786	34.71
LOCATION L0000897	VOLUME	596122.448	4131319.028	34.69
LOCATION L0000898	VOLUME	596131.590	4131319.196	34.70
LOCATION L0000899	VOLUME	596140.734	4131319.260	34.70
LOCATION L0000900	VOLUME	596149.878	4131319.323	34.79
LOCATION L0000901	VOLUME	596159.022	4131319.387	34.79
LOCATION L0000902	VOLUME	596168.165	4131319.451	34.81
LOCATION L0000903	VOLUME	596177.309	4131319.515	34.76
LOCATION L0000904	VOLUME	596186.453	4131319.579	34.82
LOCATION L0000905	VOLUME	596195.597	4131319.643	34.80
LOCATION L0000906	VOLUME	596204.740	4131319.763	34.79
LOCATION L0000907	VOLUME	596213.880	4131320.020	34.79
LOCATION L0000908	VOLUME	596223.020	4131320.278	34.83
LOCATION L0000909	VOLUME	596232.161	4131320.535	34.79
LOCATION L0000910	VOLUME	596241.301	4131320.793	34.72
LOCATION L0000911	VOLUME	596250.441	4131321.050	34.68
LOCATION L0000912	VOLUME	596259.582	4131321.308	34.64
LOCATION L0000913	VOLUME	596268.722	4131321.565	34.62
LOCATION L0000914	VOLUME	596277.863	4131321.784	34.59
LOCATION L0000915	VOLUME	596287.007	4131321.858	34.55
LOCATION L0000916	VOLUME	596296.151	4131321.933	34.51
LOCATION L0000917	VOLUME	596305.294	4131322.007	34.49
LOCATION L0000918	VOLUME	596314.438	4131322.081	34.41
LOCATION L0000919	VOLUME	596323.582	4131322.156	34.41
LOCATION L0000920	VOLUME	596332.725	4131322.230	34.39
LOCATION L0000921	VOLUME	596341.869	4131322.304	34.35
LOCATION L0000922	VOLUME	596351.013	4131322.379	34.31

LOCATION L0000923	VOLUME	596360.156	4131322.453	34.32
LOCATION L0000924	VOLUME	596369.300	4131322.528	34.31
LOCATION L0000925	VOLUME	596378.444	4131322.602	34.20
LOCATION L0000926	VOLUME	596387.588	4131322.676	34.15
LOCATION L0000927	VOLUME	596396.731	4131322.751	34.08
LOCATION L0000928	VOLUME	596405.875	4131322.853	34.08
LOCATION L0000929	VOLUME	596415.016	4131323.057	34.05
LOCATION L0000930	VOLUME	596424.158	4131323.260	34.04
LOCATION L0000931	VOLUME	596433.300	4131323.463	34.03
LOCATION L0000932	VOLUME	596442.442	4131323.666	33.98
LOCATION L0000933	VOLUME	596451.583	4131323.888	33.90
LOCATION L0000934	VOLUME	596460.718	4131324.274	33.89
LOCATION L0000935	VOLUME	596469.854	4131324.660	33.90
LOCATION L0000936	VOLUME	596478.990	4131325.046	33.72
LOCATION L0000937	VOLUME	596488.126	4131325.436	33.70
LOCATION L0000938	VOLUME	596497.259	4131325.884	33.64
LOCATION L0000939	VOLUME	596506.392	4131326.332	33.55
LOCATION L0000940	VOLUME	596515.525	4131326.779	33.48
LOCATION L0000941	VOLUME	596524.658	4131327.227	33.44
LOCATION L0000942	VOLUME	596533.791	4131327.675	33.38
LOCATION L0000943	VOLUME	596542.921	4131328.178	33.34
LOCATION L0000944	VOLUME	596552.041	4131328.841	33.27
LOCATION L0000945	VOLUME	596561.161	4131329.504	33.23
LOCATION L0000946	VOLUME	596570.280	4131330.167	33.18
LOCATION L0000947	VOLUME	596579.400	4131330.831	33.17
LOCATION L0000948	VOLUME	596588.520	4131331.494	33.13
LOCATION L0000949	VOLUME	596597.640	4131332.157	33.06
LOCATION L0000950	VOLUME	596606.760	4131332.820	32.95
LOCATION L0000951	VOLUME	596615.880	4131333.484	32.84
LOCATION L0000952	VOLUME	596625.000	4131334.147	32.84
LOCATION L0000953	VOLUME	596634.123	4131334.757	32.75
LOCATION L0000954	VOLUME	596643.248	4131335.358	32.68
LOCATION L0000955	VOLUME	596652.372	4131335.959	32.63
LOCATION L0000956	VOLUME	596661.496	4131336.560	32.60
LOCATION L0000957	VOLUME	596670.620	4131337.161	32.62
LOCATION L0000958	VOLUME	596679.745	4131337.762	32.58
LOCATION L0000959	VOLUME	596688.869	4131338.363	32.60
LOCATION L0000960	VOLUME	596697.993	4131338.964	32.54
LOCATION L0000961	VOLUME	596707.117	4131339.565	32.55
LOCATION L0000962	VOLUME	596716.244	4131340.125	32.54
LOCATION L0000963	VOLUME	596725.376	4131340.601	32.50
LOCATION L0000964	VOLUME	596734.507	4131341.077	32.46
LOCATION L0000965	VOLUME	596743.639	4131341.553	32.40
LOCATION L0000966	VOLUME	596752.770	4131342.029	32.33
LOCATION L0000967	VOLUME	596761.902	4131342.505	32.28
LOCATION L0000968	VOLUME	596771.034	4131342.981	32.27
LOCATION L0000969	VOLUME	596780.165	4131343.457	32.24
LOCATION L0000970	VOLUME	596789.297	4131343.933	32.18
LOCATION L0000971	VOLUME	596798.428	4131344.409	32.14
LOCATION L0000972	VOLUME	596807.560	4131344.885	32.27
LOCATION L0000973	VOLUME	596816.692	4131345.361	32.15
LOCATION L0000974	VOLUME	596825.821	4131345.870	32.13
LOCATION L0000975	VOLUME	596834.947	4131346.447	32.09
LOCATION L0000976	VOLUME	596844.073	4131347.025	32.02

LOCATION L0000977	VOLUME	596853.199	4131347.602	31.97
LOCATION L0000978	VOLUME	596862.324	4131348.180	31.92
LOCATION L0000979	VOLUME	596871.450	4131348.758	31.92
LOCATION L0000980	VOLUME	596880.576	4131349.335	31.92
LOCATION L0000981	VOLUME	596889.702	4131349.913	31.88
LOCATION L0000982	VOLUME	596898.827	4131350.490	31.86
LOCATION L0000983	VOLUME	596907.946	4131351.153	31.86
LOCATION L0000984	VOLUME	596917.051	4131352.000	31.84
LOCATION L0000985	VOLUME	596926.156	4131352.847	31.78
LOCATION L0000986	VOLUME	596935.260	4131353.694	31.77
LOCATION L0000987	VOLUME	596944.365	4131354.541	31.72
LOCATION L0000988	VOLUME	596953.470	4131355.388	31.66
LOCATION L0000989	VOLUME	596962.574	4131356.235	31.65
LOCATION L0000990	VOLUME	596971.679	4131357.082	31.68
LOCATION L0000991	VOLUME	596980.784	4131357.929	31.69
LOCATION L0000992	VOLUME	596989.889	4131358.776	31.62

\*\* End of LINE VOLUME Source ID = WBSC

\*\* Source Parameters \*\*

\*\* LINE VOLUME Source ID = EBSC

SRCPARAM L0000993	0.0000005093	3.05	4.25	2.13
SRCPARAM L0000994	0.0000005093	3.05	4.25	2.13
SRCPARAM L0000995	0.0000005093	3.05	4.25	2.13
SRCPARAM L0000996	0.0000005093	3.05	4.25	2.13
SRCPARAM L0000997	0.0000005093	3.05	4.25	2.13
SRCPARAM L0000998	0.0000005093	3.05	4.25	2.13
SRCPARAM L0000999	0.0000005093	3.05	4.25	2.13
SRCPARAM L0001000	0.0000005093	3.05	4.25	2.13
SRCPARAM L0001001	0.0000005093	3.05	4.25	2.13
SRCPARAM L0001002	0.0000005093	3.05	4.25	2.13
SRCPARAM L0001003	0.0000005093	3.05	4.25	2.13
SRCPARAM L0001004	0.0000005093	3.05	4.25	2.13
SRCPARAM L0001005	0.0000005093	3.05	4.25	2.13
SRCPARAM L0001006	0.0000005093	3.05	4.25	2.13
SRCPARAM L0001007	0.0000005093	3.05	4.25	2.13
SRCPARAM L0001008	0.0000005093	3.05	4.25	2.13
SRCPARAM L0001009	0.0000005093	3.05	4.25	2.13
SRCPARAM L0001010	0.0000005093	3.05	4.25	2.13
SRCPARAM L0001011	0.0000005093	3.05	4.25	2.13
SRCPARAM L0001012	0.0000005093	3.05	4.25	2.13
SRCPARAM L0001013	0.0000005093	3.05	4.25	2.13
SRCPARAM L0001014	0.0000005093	3.05	4.25	2.13
SRCPARAM L0001015	0.0000005093	3.05	4.25	2.13
SRCPARAM L0001016	0.0000005093	3.05	4.25	2.13
SRCPARAM L0001017	0.0000005093	3.05	4.25	2.13
SRCPARAM L0001018	0.0000005093	3.05	4.25	2.13
SRCPARAM L0001019	0.0000005093	3.05	4.25	2.13
SRCPARAM L0001020	0.0000005093	3.05	4.25	2.13
SRCPARAM L0001021	0.0000005093	3.05	4.25	2.13
SRCPARAM L0001022	0.0000005093	3.05	4.25	2.13
SRCPARAM L0001023	0.0000005093	3.05	4.25	2.13
SRCPARAM L0001024	0.0000005093	3.05	4.25	2.13
SRCPARAM L0001025	0.0000005093	3.05	4.25	2.13
SRCPARAM L0001026	0.0000005093	3.05	4.25	2.13
SRCPARAM L0001027	0.0000005093	3.05	4.25	2.13







SRCPARAM L0001190	0.0000005093	3.05	4.25	2.13
SRCPARAM L0001191	0.0000005093	3.05	4.25	2.13
SRCPARAM L0001192	0.0000005093	3.05	4.25	2.13
SRCPARAM L0001193	0.0000005093	3.05	4.25	2.13
SRCPARAM L0001194	0.0000005093	3.05	4.25	2.13
SRCPARAM L0001195	0.0000005093	3.05	4.25	2.13
SRCPARAM L0001196	0.0000005093	3.05	4.25	2.13

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\*\* LINE VOLUME Source ID = WBSC

SRCPARAM L0000789	0.0000004908	3.05	4.25	2.13
SRCPARAM L0000790	0.0000004908	3.05	4.25	2.13
SRCPARAM L0000791	0.0000004908	3.05	4.25	2.13
SRCPARAM L0000792	0.0000004908	3.05	4.25	2.13
SRCPARAM L0000793	0.0000004908	3.05	4.25	2.13
SRCPARAM L0000794	0.0000004908	3.05	4.25	2.13
SRCPARAM L0000795	0.0000004908	3.05	4.25	2.13
SRCPARAM L0000796	0.0000004908	3.05	4.25	2.13
SRCPARAM L0000797	0.0000004908	3.05	4.25	2.13
SRCPARAM L0000798	0.0000004908	3.05	4.25	2.13
SRCPARAM L0000799	0.0000004908	3.05	4.25	2.13
SRCPARAM L0000800	0.0000004908	3.05	4.25	2.13
SRCPARAM L0000801	0.0000004908	3.05	4.25	2.13
SRCPARAM L0000802	0.0000004908	3.05	4.25	2.13
SRCPARAM L0000803	0.0000004908	3.05	4.25	2.13
SRCPARAM L0000804	0.0000004908	3.05	4.25	2.13
SRCPARAM L0000805	0.0000004908	3.05	4.25	2.13
SRCPARAM L0000806	0.0000004908	3.05	4.25	2.13
SRCPARAM L0000807	0.0000004908	3.05	4.25	2.13
SRCPARAM L0000808	0.0000004908	3.05	4.25	2.13
SRCPARAM L0000809	0.0000004908	3.05	4.25	2.13
SRCPARAM L0000810	0.0000004908	3.05	4.25	2.13
SRCPARAM L0000811	0.0000004908	3.05	4.25	2.13
SRCPARAM L0000812	0.0000004908	3.05	4.25	2.13
SRCPARAM L0000813	0.0000004908	3.05	4.25	2.13
SRCPARAM L0000814	0.0000004908	3.05	4.25	2.13
SRCPARAM L0000815	0.0000004908	3.05	4.25	2.13
SRCPARAM L0000816	0.0000004908	3.05	4.25	2.13
SRCPARAM L0000817	0.0000004908	3.05	4.25	2.13
SRCPARAM L0000818	0.0000004908	3.05	4.25	2.13
SRCPARAM L0000819	0.0000004908	3.05	4.25	2.13
SRCPARAM L0000820	0.0000004908	3.05	4.25	2.13
SRCPARAM L0000821	0.0000004908	3.05	4.25	2.13
SRCPARAM L0000822	0.0000004908	3.05	4.25	2.13
SRCPARAM L0000823	0.0000004908	3.05	4.25	2.13
SRCPARAM L0000824	0.0000004908	3.05	4.25	2.13
SRCPARAM L0000825	0.0000004908	3.05	4.25	2.13
SRCPARAM L0000826	0.0000004908	3.05	4.25	2.13
SRCPARAM L0000827	0.0000004908	3.05	4.25	2.13
SRCPARAM L0000828	0.0000004908	3.05	4.25	2.13
SRCPARAM L0000829	0.0000004908	3.05	4.25	2.13
SRCPARAM L0000830	0.0000004908	3.05	4.25	2.13
SRCPARAM L0000831	0.0000004908	3.05	4.25	2.13
SRCPARAM L0000832	0.0000004908	3.05	4.25	2.13
SRCPARAM L0000833	0.0000004908	3.05	4.25	2.13







SO FINISHED

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\*\*\*\*\*  
\*\* AERMOD Receptor Pathway  
\*\*\*\*\*  
\*\*  
\*\*

RE STARTING

INCLUDED "Hyatt Hotel San Jose.rou"

RE FINISHED

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\*\*\*\*\*  
\*\* AERMOD Meteorology Pathway  
\*\*\*\*\*  
\*\*  
\*\*

ME STARTING

SURFFILE AERMET\724945\724945.SFC  
PROFFILE AERMET\724945\724945.PFL  
SURFDATA 23293 2009 San\_Jose\_Mineta\_Airport  
UAIRDATA 23230 2009 OAKLAND/WSO\_AP  
PROFBASE 15.5 METERS

ME FINISHED

\*\*  
\*\*\*\*\*  
\*\* AERMOD Output Pathway  
\*\*\*\*\*  
\*\*  
\*\*

OU STARTING

RECTABLE ALLAVE 1ST  
RECTABLE 1 1ST  
\*\* Auto-Generated Plotfiles  
PLOTFILE 1 ALL 1ST "Hyatt Hotel San Jose.AD\01H1GALL.PLT" 31  
PLOTFILE PERIOD ALL "Hyatt Hotel San Jose.AD\PE00GALL.PLT" 32  
SUMMFILE "Hyatt Hotel San Jose.sum"

OU FINISHED

\*\*\*\*\*  
\*\*\* SETUP Finishes Successfully \*\*\*  
\*\*\*\*\*

\*\*\* AERMOD - VERSION 18081 \*\*\* \*\* C:\Lakes\AERMOD View\Hyatt Hotel San Jose\Hyatt Hotel San Jose.isc \*\*\* 11/12/19

\*\*\* AERMET - VERSION 14134 \*\*\* \*\* 11:17:26

\*\*\* MODELOPTs: RegDFAULT CONC ELEV URBAN

\*\*\* MODEL SETUP OPTIONS SUMMARY \*\*\*

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

-- DEPOSITION LOGIC --

\*\*NO GAS DEPOSITION Data Provided.

\*\*NO PARTICLE DEPOSITION Data Provided.

\*\*Model Uses NO DRY DEPLETION. DRYDPLT = F

\*\*Model Uses NO WET DEPLETION. WETDPLT = F

\*\*Model Uses URBAN Dispersion Algorithm for the SBL for 408 Source(s),  
for Total of 1 Urban Area(s):

Urban Population = 1035000.0 ; Urban Roughness Length = 1.000 m

\*\*Model Uses Regulatory DEFAULT Options:

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

\*\*Other Options Specified:

CCVR\_Sub - Meteorological data includes CCVR substitutions

TEMP\_Sub - Meteorological data includes TEMP substitutions

\*\*Model Assumes No FLAGPOLE Receptor Heights.

\*\*The User Specified a Pollutant Type of: PM\_10

\*\*Model Calculates 1 Short Term Average(s) of: 1-HR  
and Calculates PERIOD Averages

\*\*This Run Includes: 408 Source(s); 1 Source Group(s); and 90 Receptor(s)

with: 0 POINT(s), including  
0 POINTCAP(s) and 0 POINTHOR(s)  
and: 408 VOLUME source(s)  
and: 0 AREA type source(s)  
and: 0 LINE source(s)  
and: 0 OPENPIT source(s)  
and: 0 BUOYANT LINE source(s) with 0 line(s)

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

\*\*The AERMET Input Meteorological Data Version Date: 14134

\*\*Output Options Selected:

Model Outputs Tables of PERIOD Averages by Receptor  
Model Outputs Tables of Highest Short Term Values by Receptor (RECTABLE Keyword)  
Model Outputs External File(s) of High Values for Plotting (PLOTFILE Keyword)  
Model Outputs Separate Summary File of High Ranked Values (SUMMFILE Keyword)

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

\*\*Misc. Inputs: Base Elev. for Pot. Temp. Profile (m MSL) = 15.50 ; Decay Coef. = 0.000 ; Rot. Angle = 0.0

Emission Units = GRAMS/SEC  
Output Units = MICROGRAMS/M\*\*3

; Emission Rate Unit Factor = 0.10000E+07

\*\*Approximate Storage Requirements of Model = 3.7 MB of RAM.

\*\*Input Runstream File: aermod.inp  
\*\*Output Print File: aermod.out

\*\*Detailed Error/Message File: Hyatt Hotel San Jose.err  
\*\*File for Summary of Results: Hyatt Hotel San Jose.sum

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\*\*\* MODELOPTs: RegDFault CONC ELEV URBAN

\*\*\* VOLUME SOURCE DATA \*\*\*

SOURCE ID	NUMBER PART. CATS.	EMISSION RATE (GRAMS/SEC) (METERS)	BASE X (METERS)	RELEASE Y (METERS)	INIT. ELEV. (METERS)	INIT. HEIGHT (METERS)	SY (METERS)	INIT. SZ (METERS)	URBAN SOURCE	EMISSION SCALAR VARY BY
L0000993	0	0.50930E-06	595135.5	4131283.9	35.8	3.05	4.25	2.13	YES	
L0000994	0	0.50930E-06	595144.6	4131284.1	35.8	3.05	4.25	2.13	YES	
L0000995	0	0.50930E-06	595153.8	4131284.3	35.8	3.05	4.25	2.13	YES	
L0000996	0	0.50930E-06	595162.9	4131284.4	35.8	3.05	4.25	2.13	YES	
L0000997	0	0.50930E-06	595172.0	4131284.6	35.8	3.05	4.25	2.13	YES	
L0000998	0	0.50930E-06	595181.2	4131284.8	35.8	3.05	4.25	2.13	YES	
L0000999	0	0.50930E-06	595190.3	4131285.0	35.8	3.05	4.25	2.13	YES	
L0001000	0	0.50930E-06	595199.5	4131285.1	35.8	3.05	4.25	2.13	YES	
L0001001	0	0.50930E-06	595208.6	4131285.3	35.9	3.05	4.25	2.13	YES	
L0001002	0	0.50930E-06	595217.8	4131285.5	35.9	3.05	4.25	2.13	YES	
L0001003	0	0.50930E-06	595226.9	4131285.7	35.9	3.05	4.25	2.13	YES	
L0001004	0	0.50930E-06	595236.0	4131285.8	35.9	3.05	4.25	2.13	YES	
L0001005	0	0.50930E-06	595245.2	4131286.0	35.9	3.05	4.25	2.13	YES	
L0001006	0	0.50930E-06	595254.3	4131286.2	35.9	3.05	4.25	2.13	YES	
L0001007	0	0.50930E-06	595263.5	4131286.4	35.9	3.05	4.25	2.13	YES	
L0001008	0	0.50930E-06	595272.6	4131286.5	35.9	3.05	4.25	2.13	YES	
L0001009	0	0.50930E-06	595281.8	4131286.7	35.9	3.05	4.25	2.13	YES	
L0001010	0	0.50930E-06	595290.9	4131286.9	35.9	3.05	4.25	2.13	YES	
L0001011	0	0.50930E-06	595300.0	4131287.1	35.9	3.05	4.25	2.13	YES	
L0001012	0	0.50930E-06	595309.2	4131287.2	35.9	3.05	4.25	2.13	YES	
L0001013	0	0.50930E-06	595318.3	4131287.4	35.9	3.05	4.25	2.13	YES	
L0001014	0	0.50930E-06	595327.5	4131287.6	35.9	3.05	4.25	2.13	YES	
L0001015	0	0.50930E-06	595336.6	4131287.8	35.9	3.05	4.25	2.13	YES	
L0001016	0	0.50930E-06	595345.8	4131287.9	35.9	3.05	4.25	2.13	YES	
L0001017	0	0.50930E-06	595354.9	4131288.1	35.9	3.05	4.25	2.13	YES	
L0001018	0	0.50930E-06	595364.0	4131288.3	35.8	3.05	4.25	2.13	YES	
L0001019	0	0.50930E-06	595373.2	4131288.5	35.9	3.05	4.25	2.13	YES	
L0001020	0	0.50930E-06	595382.3	4131288.6	35.9	3.05	4.25	2.13	YES	
L0001021	0	0.50930E-06	595391.5	4131288.8	35.9	3.05	4.25	2.13	YES	
L0001022	0	0.50930E-06	595400.6	4131289.0	35.8	3.05	4.25	2.13	YES	

L0001023	0	0.50930E-06	595409.7	4131289.2	35.8	3.05	4.25	2.13	YES
L0001024	0	0.50930E-06	595418.9	4131289.3	35.8	3.05	4.25	2.13	YES
L0001025	0	0.50930E-06	595428.0	4131289.5	35.8	3.05	4.25	2.13	YES
L0001026	0	0.50930E-06	595437.2	4131289.7	35.7	3.05	4.25	2.13	YES
L0001027	0	0.50930E-06	595446.3	4131289.9	35.7	3.05	4.25	2.13	YES
L0001028	0	0.50930E-06	595455.5	4131290.0	35.6	3.05	4.25	2.13	YES
L0001029	0	0.50930E-06	595464.6	4131290.2	35.6	3.05	4.25	2.13	YES
L0001030	0	0.50930E-06	595473.7	4131290.4	35.6	3.05	4.25	2.13	YES
L0001031	0	0.50930E-06	595482.9	4131290.6	35.6	3.05	4.25	2.13	YES
L0001032	0	0.50930E-06	595492.0	4131290.7	35.6	3.05	4.25	2.13	YES

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\*\*\* MODELOPTs: RegDEFAULT CONC ELEV URBAN

\*\*\* VOLUME SOURCE DATA \*\*\*

SOURCE ID	PART. CATS.	NUMBER EMISSION RATE (GRAMS/SEC) (METERS)	X (METERS)	Y (METERS)	BASE RELEASE ELEV. (METERS)	INIT. HEIGHT (METERS)	INIT. SY (METERS)	INIT. SZ (METERS)	URBAN SOURCE	EMISSION RATE SCALAR VARY BY
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L0001033	0	0.50930E-06	595501.2	4131290.9	35.5	3.05	4.25	2.13	YES
L0001034	0	0.50930E-06	595510.3	4131291.1	35.5	3.05	4.25	2.13	YES
L0001035	0	0.50930E-06	595519.5	4131291.3	35.6	3.05	4.25	2.13	YES
L0001036	0	0.50930E-06	595528.6	4131291.4	35.5	3.05	4.25	2.13	YES
L0001037	0	0.50930E-06	595537.7	4131291.6	35.4	3.05	4.25	2.13	YES
L0001038	0	0.50930E-06	595546.9	4131291.8	35.4	3.05	4.25	2.13	YES
L0001039	0	0.50930E-06	595556.0	4131291.9	35.4	3.05	4.25	2.13	YES
L0001040	0	0.50930E-06	595565.2	4131292.1	35.4	3.05	4.25	2.13	YES
L0001041	0	0.50930E-06	595574.3	4131292.2	35.5	3.05	4.25	2.13	YES
L0001042	0	0.50930E-06	595583.5	4131292.4	35.4	3.05	4.25	2.13	YES
L0001043	0	0.50930E-06	595592.6	4131292.5	35.3	3.05	4.25	2.13	YES
L0001044	0	0.50930E-06	595601.7	4131292.7	35.3	3.05	4.25	2.13	YES
L0001045	0	0.50930E-06	595610.9	4131292.9	35.3	3.05	4.25	2.13	YES
L0001046	0	0.50930E-06	595620.0	4131293.0	35.3	3.05	4.25	2.13	YES
L0001047	0	0.50930E-06	595629.2	4131293.2	35.4	3.05	4.25	2.13	YES
L0001048	0	0.50930E-06	595638.3	4131293.3	35.3	3.05	4.25	2.13	YES
L0001049	0	0.50930E-06	595647.5	4131293.5	35.3	3.05	4.25	2.13	YES
L0001050	0	0.50930E-06	595656.6	4131293.6	35.3	3.05	4.25	2.13	YES
L0001051	0	0.50930E-06	595665.7	4131293.8	35.3	3.05	4.25	2.13	YES
L0001052	0	0.50930E-06	595674.9	4131294.0	35.2	3.05	4.25	2.13	YES
L0001053	0	0.50930E-06	595684.0	4131294.1	35.2	3.05	4.25	2.13	YES
L0001054	0	0.50930E-06	595693.2	4131294.3	35.2	3.05	4.25	2.13	YES
L0001055	0	0.50930E-06	595702.3	4131294.4	35.2	3.05	4.25	2.13	YES
L0001056	0	0.50930E-06	595711.5	4131294.6	35.2	3.05	4.25	2.13	YES
L0001057	0	0.50930E-06	595720.6	4131294.7	35.3	3.05	4.25	2.13	YES
L0001058	0	0.50930E-06	595729.7	4131294.9	35.3	3.05	4.25	2.13	YES
L0001059	0	0.50930E-06	595738.9	4131295.1	35.3	3.05	4.25	2.13	YES
L0001060	0	0.50930E-06	595748.0	4131295.2	35.4	3.05	4.25	2.13	YES
L0001061	0	0.50930E-06	595757.2	4131295.4	35.3	3.05	4.25	2.13	YES
L0001062	0	0.50930E-06	595766.3	4131295.5	35.4	3.05	4.25	2.13	YES

L0001063	0	0.50930E-06	595775.5	4131295.7	35.4	3.05	4.25	2.13	YES
L0001064	0	0.50930E-06	595784.6	4131295.9	35.5	3.05	4.25	2.13	YES
L0001065	0	0.50930E-06	595793.7	4131296.1	35.6	3.05	4.25	2.13	YES
L0001066	0	0.50930E-06	595802.9	4131296.3	35.6	3.05	4.25	2.13	YES
L0001067	0	0.50930E-06	595812.0	4131296.5	35.6	3.05	4.25	2.13	YES
L0001068	0	0.50930E-06	595821.2	4131296.7	35.7	3.05	4.25	2.13	YES
L0001069	0	0.50930E-06	595830.3	4131296.9	35.8	3.05	4.25	2.13	YES
L0001070	0	0.50930E-06	595839.4	4131297.1	35.8	3.05	4.25	2.13	YES
L0001071	0	0.50930E-06	595848.6	4131297.3	35.9	3.05	4.25	2.13	YES
L0001072	0	0.50930E-06	595857.7	4131297.5	35.9	3.05	4.25	2.13	YES

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\*\*\* MODELOPTs: RegDEFAULT CONC ELEV URBAN

\*\*\* VOLUME SOURCE DATA \*\*\*

SOURCE ID	PART. CATS.	NUMBER EMISSION RATE (GRAMS/SEC) (METERS)	X (METERS)	Y (METERS)	BASE RELEASE ELEV. (METERS)	INIT. HEIGHT (METERS)	INIT. SY (METERS)	INIT. SZ (METERS)	URBAN SOURCE SCALAR VARY BY
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L0001073	0	0.50930E-06	595866.9	4131297.7	35.9	3.05	4.25	2.13	YES
L0001074	0	0.50930E-06	595876.0	4131297.9	35.9	3.05	4.25	2.13	YES
L0001075	0	0.50930E-06	595885.2	4131298.2	35.9	3.05	4.25	2.13	YES
L0001076	0	0.50930E-06	595894.3	4131298.4	35.8	3.05	4.25	2.13	YES
L0001077	0	0.50930E-06	595903.4	4131298.7	35.8	3.05	4.25	2.13	YES
L0001078	0	0.50930E-06	595912.6	4131298.9	35.8	3.05	4.25	2.13	YES
L0001079	0	0.50930E-06	595921.7	4131299.2	35.7	3.05	4.25	2.13	YES
L0001080	0	0.50930E-06	595930.9	4131299.4	35.7	3.05	4.25	2.13	YES
L0001081	0	0.50930E-06	595940.0	4131299.7	35.6	3.05	4.25	2.13	YES
L0001082	0	0.50930E-06	595949.1	4131299.9	35.6	3.05	4.25	2.13	YES
L0001083	0	0.50930E-06	595958.3	4131300.2	35.5	3.05	4.25	2.13	YES
L0001084	0	0.50930E-06	595967.4	4131300.5	35.5	3.05	4.25	2.13	YES
L0001085	0	0.50930E-06	595976.6	4131300.7	35.5	3.05	4.25	2.13	YES
L0001086	0	0.50930E-06	595985.7	4131301.0	35.5	3.05	4.25	2.13	YES
L0001087	0	0.50930E-06	595994.8	4131301.2	35.4	3.05	4.25	2.13	YES
L0001088	0	0.50930E-06	596004.0	4131301.5	35.4	3.05	4.25	2.13	YES
L0001089	0	0.50930E-06	596013.1	4131301.8	35.3	3.05	4.25	2.13	YES
L0001090	0	0.50930E-06	596022.3	4131302.0	35.2	3.05	4.25	2.13	YES
L0001091	0	0.50930E-06	596031.4	4131302.3	35.2	3.05	4.25	2.13	YES
L0001092	0	0.50930E-06	596040.5	4131302.5	35.2	3.05	4.25	2.13	YES
L0001093	0	0.50930E-06	596049.7	4131302.7	35.1	3.05	4.25	2.13	YES
L0001094	0	0.50930E-06	596058.8	4131302.9	35.1	3.05	4.25	2.13	YES
L0001095	0	0.50930E-06	596068.0	4131303.1	35.0	3.05	4.25	2.13	YES
L0001096	0	0.50930E-06	596077.1	4131303.4	35.0	3.05	4.25	2.13	YES
L0001097	0	0.50930E-06	596086.2	4131303.6	34.9	3.05	4.25	2.13	YES
L0001098	0	0.50930E-06	596095.4	4131303.8	34.9	3.05	4.25	2.13	YES
L0001099	0	0.50930E-06	596104.5	4131304.0	35.0	3.05	4.25	2.13	YES
L0001100	0	0.50930E-06	596113.7	4131304.2	35.0	3.05	4.25	2.13	YES
L0001101	0	0.50930E-06	596122.8	4131304.4	34.9	3.05	4.25	2.13	YES
L0001102	0	0.50930E-06	596132.0	4131304.6	34.8	3.05	4.25	2.13	YES

L0001103	0	0.50930E-06	596141.1	4131304.8	34.8	3.05	4.25	2.13	YES
L0001104	0	0.50930E-06	596150.2	4131305.0	34.8	3.05	4.25	2.13	YES
L0001105	0	0.50930E-06	596159.4	4131305.3	34.8	3.05	4.25	2.13	YES
L0001106	0	0.50930E-06	596168.5	4131305.5	34.8	3.05	4.25	2.13	YES
L0001107	0	0.50930E-06	596177.7	4131305.7	34.7	3.05	4.25	2.13	YES
L0001108	0	0.50930E-06	596186.8	4131305.9	34.7	3.05	4.25	2.13	YES
L0001109	0	0.50930E-06	596195.9	4131306.1	34.7	3.05	4.25	2.13	YES
L0001110	0	0.50930E-06	596205.1	4131306.3	34.7	3.05	4.25	2.13	YES
L0001111	0	0.50930E-06	596214.2	4131306.5	34.7	3.05	4.25	2.13	YES
L0001112	0	0.50930E-06	596223.4	4131306.7	34.7	3.05	4.25	2.13	YES

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\*\*\* MODELOPTs: RegDEFAULT CONC ELEV URBAN

\*\*\* VOLUME SOURCE DATA \*\*\*

SOURCE ID	NUMBER PART. CATS.	EMISSION RATE (GRAMS/SEC) (METERS)	BASE X (METERS)	RELEASE Y (METERS)	INIT. ELEV. (METERS)	INIT. HEIGHT (METERS)	SY (METERS)	SZ (METERS)	URBAN SOURCE SCALAR VARY BY
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L0001113	0	0.50930E-06	596232.5	4131306.9	34.8	3.05	4.25	2.13	YES
L0001114	0	0.50930E-06	596241.7	4131307.2	34.7	3.05	4.25	2.13	YES
L0001115	0	0.50930E-06	596250.8	4131307.4	34.7	3.05	4.25	2.13	YES
L0001116	0	0.50930E-06	596259.9	4131307.5	34.7	3.05	4.25	2.13	YES
L0001117	0	0.50930E-06	596269.1	4131307.6	34.7	3.05	4.25	2.13	YES
L0001118	0	0.50930E-06	596278.2	4131307.7	34.6	3.05	4.25	2.13	YES
L0001119	0	0.50930E-06	596287.4	4131307.8	34.6	3.05	4.25	2.13	YES
L0001120	0	0.50930E-06	596296.5	4131307.9	34.5	3.05	4.25	2.13	YES
L0001121	0	0.50930E-06	596305.7	4131308.0	34.5	3.05	4.25	2.13	YES
L0001122	0	0.50930E-06	596314.8	4131308.0	34.5	3.05	4.25	2.13	YES
L0001123	0	0.50930E-06	596323.9	4131308.1	34.4	3.05	4.25	2.13	YES
L0001124	0	0.50930E-06	596333.1	4131308.2	34.4	3.05	4.25	2.13	YES
L0001125	0	0.50930E-06	596342.2	4131308.3	34.4	3.05	4.25	2.13	YES
L0001126	0	0.50930E-06	596351.4	4131308.4	34.3	3.05	4.25	2.13	YES
L0001127	0	0.50930E-06	596360.5	4131308.5	34.2	3.05	4.25	2.13	YES
L0001128	0	0.50930E-06	596369.7	4131308.5	34.2	3.05	4.25	2.13	YES
L0001129	0	0.50930E-06	596378.8	4131308.6	34.1	3.05	4.25	2.13	YES
L0001130	0	0.50930E-06	596387.9	4131308.7	34.1	3.05	4.25	2.13	YES
L0001131	0	0.50930E-06	596397.1	4131308.8	34.0	3.05	4.25	2.13	YES
L0001132	0	0.50930E-06	596406.2	4131308.9	34.0	3.05	4.25	2.13	YES
L0001133	0	0.50930E-06	596415.4	4131309.0	34.0	3.05	4.25	2.13	YES
L0001134	0	0.50930E-06	596424.5	4131309.1	34.0	3.05	4.25	2.13	YES
L0001135	0	0.50930E-06	596433.7	4131309.1	34.0	3.05	4.25	2.13	YES
L0001136	0	0.50930E-06	596442.8	4131309.2	33.9	3.05	4.25	2.13	YES
L0001137	0	0.50930E-06	596451.9	4131309.7	33.9	3.05	4.25	2.13	YES
L0001138	0	0.50930E-06	596461.1	4131310.2	33.9	3.05	4.25	2.13	YES
L0001139	0	0.50930E-06	596470.2	4131310.7	33.9	3.05	4.25	2.13	YES
L0001140	0	0.50930E-06	596479.3	4131311.2	33.8	3.05	4.25	2.13	YES
L0001141	0	0.50930E-06	596488.5	4131311.7	33.8	3.05	4.25	2.13	YES
L0001142	0	0.50930E-06	596497.6	4131312.2	33.7	3.05	4.25	2.13	YES

L0001143	0	0.50930E-06	596506.7	4131312.7	33.6	3.05	4.25	2.13	YES
L0001144	0	0.50930E-06	596515.9	4131313.2	33.5	3.05	4.25	2.13	YES
L0001145	0	0.50930E-06	596525.0	4131313.7	33.5	3.05	4.25	2.13	YES
L0001146	0	0.50930E-06	596534.1	4131314.2	33.4	3.05	4.25	2.13	YES
L0001147	0	0.50930E-06	596543.2	4131314.8	33.3	3.05	4.25	2.13	YES
L0001148	0	0.50930E-06	596552.4	4131315.5	33.3	3.05	4.25	2.13	YES
L0001149	0	0.50930E-06	596561.5	4131316.1	33.2	3.05	4.25	2.13	YES
L0001150	0	0.50930E-06	596570.6	4131316.8	33.2	3.05	4.25	2.13	YES
L0001151	0	0.50930E-06	596579.7	4131317.5	33.2	3.05	4.25	2.13	YES
L0001152	0	0.50930E-06	596588.8	4131318.2	33.1	3.05	4.25	2.13	YES

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\*\*\* MODELOPTs: RegDEFAULT CONC ELEV URBAN

\*\*\* VOLUME SOURCE DATA \*\*\*

SOURCE ID	PART. CATS.	NUMBER EMISSION RATE (GRAMS/SEC) (METERS)	X (METERS)	Y (METERS)	BASE RELEASE ELEV. (METERS)	INIT. HEIGHT (METERS)	INIT. SY (METERS)	INIT. SZ (METERS)	URBAN SOURCE SCALAR VARY BY
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L0001153	0	0.50930E-06	596598.0	4131318.8	33.1	3.05	4.25	2.13	YES
L0001154	0	0.50930E-06	596607.1	4131319.5	33.1	3.05	4.25	2.13	YES
L0001155	0	0.50930E-06	596616.2	4131320.2	33.0	3.05	4.25	2.13	YES
L0001156	0	0.50930E-06	596625.3	4131320.8	33.0	3.05	4.25	2.13	YES
L0001157	0	0.50930E-06	596634.4	4131321.5	32.9	3.05	4.25	2.13	YES
L0001158	0	0.50930E-06	596643.6	4131322.2	32.8	3.05	4.25	2.13	YES
L0001159	0	0.50930E-06	596652.7	4131322.8	32.8	3.05	4.25	2.13	YES
L0001160	0	0.50930E-06	596661.8	4131323.5	32.8	3.05	4.25	2.13	YES
L0001161	0	0.50930E-06	596670.9	4131324.2	32.7	3.05	4.25	2.13	YES
L0001162	0	0.50930E-06	596680.0	4131324.8	32.7	3.05	4.25	2.13	YES
L0001163	0	0.50930E-06	596689.1	4131325.5	32.7	3.05	4.25	2.13	YES
L0001164	0	0.50930E-06	596698.3	4131326.2	32.7	3.05	4.25	2.13	YES
L0001165	0	0.50930E-06	596707.4	4131326.9	32.6	3.05	4.25	2.13	YES
L0001166	0	0.50930E-06	596716.5	4131327.5	32.5	3.05	4.25	2.13	YES
L0001167	0	0.50930E-06	596725.6	4131328.1	32.4	3.05	4.25	2.13	YES
L0001168	0	0.50930E-06	596734.8	4131328.6	32.4	3.05	4.25	2.13	YES
L0001169	0	0.50930E-06	596743.9	4131329.1	32.4	3.05	4.25	2.13	YES
L0001170	0	0.50930E-06	596753.0	4131329.6	32.4	3.05	4.25	2.13	YES
L0001171	0	0.50930E-06	596762.2	4131330.1	32.4	3.05	4.25	2.13	YES
L0001172	0	0.50930E-06	596771.3	4131330.6	32.4	3.05	4.25	2.13	YES
L0001173	0	0.50930E-06	596780.4	4131331.2	32.4	3.05	4.25	2.13	YES
L0001174	0	0.50930E-06	596789.5	4131331.7	32.3	3.05	4.25	2.13	YES
L0001175	0	0.50930E-06	596798.7	4131332.2	32.3	3.05	4.25	2.13	YES
L0001176	0	0.50930E-06	596807.8	4131332.7	32.5	3.05	4.25	2.13	YES
L0001177	0	0.50930E-06	596816.9	4131333.2	32.4	3.05	4.25	2.13	YES
L0001178	0	0.50930E-06	596826.1	4131333.7	32.3	3.05	4.25	2.13	YES
L0001179	0	0.50930E-06	596835.2	4131334.2	32.3	3.05	4.25	2.13	YES
L0001180	0	0.50930E-06	596844.3	4131334.7	32.2	3.05	4.25	2.13	YES
L0001181	0	0.50930E-06	596853.5	4131335.2	32.1	3.05	4.25	2.13	YES
L0001182	0	0.50930E-06	596862.6	4131335.7	32.1	3.05	4.25	2.13	YES

L0001183	0	0.50930E-06	596871.7	4131336.2	32.1	3.05	4.25	2.13	YES
L0001184	0	0.50930E-06	596880.8	4131336.7	32.1	3.05	4.25	2.13	YES
L0001185	0	0.50930E-06	596890.0	4131337.2	32.0	3.05	4.25	2.13	YES
L0001186	0	0.50930E-06	596899.1	4131337.7	32.0	3.05	4.25	2.13	YES
L0001187	0	0.50930E-06	596908.2	4131338.3	31.9	3.05	4.25	2.13	YES
L0001188	0	0.50930E-06	596917.4	4131338.8	31.9	3.05	4.25	2.13	YES
L0001189	0	0.50930E-06	596926.5	4131339.7	31.8	3.05	4.25	2.13	YES
L0001190	0	0.50930E-06	596935.5	4131340.7	31.8	3.05	4.25	2.13	YES
L0001191	0	0.50930E-06	596944.6	4131341.7	31.8	3.05	4.25	2.13	YES
L0001192	0	0.50930E-06	596953.7	4131342.7	31.8	3.05	4.25	2.13	YES

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\*\*\* MODELOPTs: RegDEFAULT CONC ELEV URBAN

\*\*\* VOLUME SOURCE DATA \*\*\*

SOURCE ID	PART. CATS.	NUMBER EMISSION RATE (GRAMS/SEC) (METERS)	X (METERS)	Y (METERS)	BASE RELEASE ELEV. (METERS)	INIT. HEIGHT (METERS)	INIT. SY (METERS)	INIT. SZ (METERS)	URBAN SOURCE	EMISSION RATE SCALAR VARY BY
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L0001193	0	0.50930E-06	596962.8	4131343.7	31.8	3.05	4.25	2.13	YES
L0001194	0	0.50930E-06	596971.9	4131344.7	31.8	3.05	4.25	2.13	YES
L0001195	0	0.50930E-06	596981.0	4131345.7	31.8	3.05	4.25	2.13	YES
L0001196	0	0.50930E-06	596990.1	4131346.8	31.8	3.05	4.25	2.13	YES
L0000789	0	0.49080E-06	595135.1	4131300.0	35.7	3.05	4.25	2.13	YES
L0000790	0	0.49080E-06	595144.2	4131300.1	35.8	3.05	4.25	2.13	YES
L0000791	0	0.49080E-06	595153.4	4131300.2	35.8	3.05	4.25	2.13	YES
L0000792	0	0.49080E-06	595162.5	4131300.3	35.8	3.05	4.25	2.13	YES
L0000793	0	0.49080E-06	595171.7	4131300.4	35.8	3.05	4.25	2.13	YES
L0000794	0	0.49080E-06	595180.8	4131300.5	35.8	3.05	4.25	2.13	YES
L0000795	0	0.49080E-06	595190.0	4131300.6	35.9	3.05	4.25	2.13	YES
L0000796	0	0.49080E-06	595199.1	4131300.7	35.9	3.05	4.25	2.13	YES
L0000797	0	0.49080E-06	595208.3	4131300.9	35.9	3.05	4.25	2.13	YES
L0000798	0	0.49080E-06	595217.4	4131301.0	35.9	3.05	4.25	2.13	YES
L0000799	0	0.49080E-06	595226.5	4131301.1	35.9	3.05	4.25	2.13	YES
L0000800	0	0.49080E-06	595235.7	4131301.2	35.9	3.05	4.25	2.13	YES
L0000801	0	0.49080E-06	595244.8	4131301.3	35.9	3.05	4.25	2.13	YES
L0000802	0	0.49080E-06	595254.0	4131301.4	36.0	3.05	4.25	2.13	YES
L0000803	0	0.49080E-06	595263.1	4131301.5	36.0	3.05	4.25	2.13	YES
L0000804	0	0.49080E-06	595272.3	4131301.6	36.0	3.05	4.25	2.13	YES
L0000805	0	0.49080E-06	595281.4	4131301.7	36.0	3.05	4.25	2.13	YES
L0000806	0	0.49080E-06	595290.5	4131301.8	36.1	3.05	4.25	2.13	YES
L0000807	0	0.49080E-06	595299.7	4131301.9	36.1	3.05	4.25	2.13	YES
L0000808	0	0.49080E-06	595308.8	4131302.0	36.1	3.05	4.25	2.13	YES
L0000809	0	0.49080E-06	595318.0	4131302.2	36.1	3.05	4.25	2.13	YES
L0000810	0	0.49080E-06	595327.1	4131302.3	36.1	3.05	4.25	2.13	YES
L0000811	0	0.49080E-06	595336.3	4131302.4	36.1	3.05	4.25	2.13	YES
L0000812	0	0.49080E-06	595345.4	4131302.5	36.1	3.05	4.25	2.13	YES
L0000813	0	0.49080E-06	595354.5	4131302.7	36.1	3.05	4.25	2.13	YES
L0000814	0	0.49080E-06	595363.7	4131302.9	36.0	3.05	4.25	2.13	YES

L0000815	0	0.49080E-06	595372.8	4131303.1	36.0	3.05	4.25	2.13	YES
L0000816	0	0.49080E-06	595382.0	4131303.3	36.0	3.05	4.25	2.13	YES
L0000817	0	0.49080E-06	595391.1	4131303.5	35.9	3.05	4.25	2.13	YES
L0000818	0	0.49080E-06	595400.3	4131303.7	35.9	3.05	4.25	2.13	YES
L0000819	0	0.49080E-06	595409.4	4131303.9	35.9	3.05	4.25	2.13	YES
L0000820	0	0.49080E-06	595418.5	4131304.2	35.9	3.05	4.25	2.13	YES
L0000821	0	0.49080E-06	595427.7	4131304.4	36.0	3.05	4.25	2.13	YES
L0000822	0	0.49080E-06	595436.8	4131304.6	35.8	3.05	4.25	2.13	YES
L0000823	0	0.49080E-06	595446.0	4131304.8	35.8	3.05	4.25	2.13	YES
L0000824	0	0.49080E-06	595455.1	4131305.0	35.7	3.05	4.25	2.13	YES

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\*\*\* MODELOPTs: RegDEFAULT CONC ELEV URBAN

\*\*\* VOLUME SOURCE DATA \*\*\*

SOURCE ID	PART. CATS.	NUMBER EMISSION RATE (GRAMS/SEC) (METERS)	X (METERS)	Y (METERS)	BASE RELEASE ELEV. (METERS)	INIT. HEIGHT (METERS)	INIT. SY (METERS)	INIT. SZ (METERS)	URBAN SOURCE SCALAR VARY BY
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L0000825	0	0.49080E-06	595464.2	4131305.2	35.7	3.05	4.25	2.13	YES
L0000826	0	0.49080E-06	595473.4	4131305.4	35.7	3.05	4.25	2.13	YES
L0000827	0	0.49080E-06	595482.5	4131305.6	35.7	3.05	4.25	2.13	YES
L0000828	0	0.49080E-06	595491.7	4131305.7	35.7	3.05	4.25	2.13	YES
L0000829	0	0.49080E-06	595500.8	4131305.9	35.6	3.05	4.25	2.13	YES
L0000830	0	0.49080E-06	595510.0	4131306.1	35.6	3.05	4.25	2.13	YES
L0000831	0	0.49080E-06	595519.1	4131306.3	35.7	3.05	4.25	2.13	YES
L0000832	0	0.49080E-06	595528.2	4131306.4	35.6	3.05	4.25	2.13	YES
L0000833	0	0.49080E-06	595537.4	4131306.6	35.5	3.05	4.25	2.13	YES
L0000834	0	0.49080E-06	595546.5	4131306.8	35.5	3.05	4.25	2.13	YES
L0000835	0	0.49080E-06	595555.7	4131307.0	35.5	3.05	4.25	2.13	YES
L0000836	0	0.49080E-06	595564.8	4131307.3	35.5	3.05	4.25	2.13	YES
L0000837	0	0.49080E-06	595573.9	4131307.5	35.5	3.05	4.25	2.13	YES
L0000838	0	0.49080E-06	595583.1	4131307.7	35.5	3.05	4.25	2.13	YES
L0000839	0	0.49080E-06	595592.2	4131307.9	35.4	3.05	4.25	2.13	YES
L0000840	0	0.49080E-06	595601.4	4131308.1	35.4	3.05	4.25	2.13	YES
L0000841	0	0.49080E-06	595610.5	4131308.3	35.4	3.05	4.25	2.13	YES
L0000842	0	0.49080E-06	595619.7	4131308.5	35.3	3.05	4.25	2.13	YES
L0000843	0	0.49080E-06	595628.8	4131308.8	35.3	3.05	4.25	2.13	YES
L0000844	0	0.49080E-06	595637.9	4131309.0	35.2	3.05	4.25	2.13	YES
L0000845	0	0.49080E-06	595647.1	4131309.2	35.2	3.05	4.25	2.13	YES
L0000846	0	0.49080E-06	595656.2	4131309.4	35.2	3.05	4.25	2.13	YES
L0000847	0	0.49080E-06	595665.4	4131309.5	35.2	3.05	4.25	2.13	YES
L0000848	0	0.49080E-06	595674.5	4131309.6	35.1	3.05	4.25	2.13	YES
L0000849	0	0.49080E-06	595683.7	4131309.7	35.0	3.05	4.25	2.13	YES
L0000850	0	0.49080E-06	595692.8	4131309.8	35.1	3.05	4.25	2.13	YES
L0000851	0	0.49080E-06	595701.9	4131310.0	35.0	3.05	4.25	2.13	YES
L0000852	0	0.49080E-06	595711.1	4131310.1	35.1	3.05	4.25	2.13	YES
L0000853	0	0.49080E-06	595720.2	4131310.2	35.1	3.05	4.25	2.13	YES
L0000854	0	0.49080E-06	595729.4	4131310.3	35.1	3.05	4.25	2.13	YES

L0000855	0	0.49080E-06	595738.5	4131310.6	35.1	3.05	4.25	2.13	YES
L0000856	0	0.49080E-06	595747.6	4131311.0	35.1	3.05	4.25	2.13	YES
L0000857	0	0.49080E-06	595756.8	4131311.4	35.1	3.05	4.25	2.13	YES
L0000858	0	0.49080E-06	595765.9	4131311.7	35.2	3.05	4.25	2.13	YES
L0000859	0	0.49080E-06	595775.1	4131312.1	35.2	3.05	4.25	2.13	YES
L0000860	0	0.49080E-06	595784.2	4131312.4	35.2	3.05	4.25	2.13	YES
L0000861	0	0.49080E-06	595793.3	4131312.6	35.3	3.05	4.25	2.13	YES
L0000862	0	0.49080E-06	595802.5	4131312.8	35.4	3.05	4.25	2.13	YES
L0000863	0	0.49080E-06	595811.6	4131313.0	35.5	3.05	4.25	2.13	YES
L0000864	0	0.49080E-06	595820.8	4131313.2	35.5	3.05	4.25	2.13	YES

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\*\*\* MODELOPTs: RegDEFAULT CONC ELEV URBAN

\*\*\* VOLUME SOURCE DATA \*\*\*

SOURCE ID	PART. CATS.	NUMBER EMISSION RATE (GRAMS/SEC) (METERS)	X (METERS)	Y (METERS)	BASE RELEASE ELEV. (METERS)	INIT. HEIGHT (METERS)	INIT. SY (METERS)	INIT. SZ (METERS)	URBAN SOURCE SCALAR VARY BY
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L0000865	0	0.49080E-06	595829.9	4131313.4	35.5	3.05	4.25	2.13	YES
L0000866	0	0.49080E-06	595839.0	4131313.6	35.5	3.05	4.25	2.13	YES
L0000867	0	0.49080E-06	595848.2	4131313.8	35.5	3.05	4.25	2.13	YES
L0000868	0	0.49080E-06	595857.3	4131314.0	35.5	3.05	4.25	2.13	YES
L0000869	0	0.49080E-06	595866.5	4131314.1	35.5	3.05	4.25	2.13	YES
L0000870	0	0.49080E-06	595875.6	4131314.3	35.5	3.05	4.25	2.13	YES
L0000871	0	0.49080E-06	595884.8	4131314.4	35.5	3.05	4.25	2.13	YES
L0000872	0	0.49080E-06	595893.9	4131314.5	35.5	3.05	4.25	2.13	YES
L0000873	0	0.49080E-06	595903.0	4131314.6	35.4	3.05	4.25	2.13	YES
L0000874	0	0.49080E-06	595912.2	4131314.8	35.4	3.05	4.25	2.13	YES
L0000875	0	0.49080E-06	595921.3	4131314.9	35.4	3.05	4.25	2.13	YES
L0000876	0	0.49080E-06	595930.5	4131315.0	35.4	3.05	4.25	2.13	YES
L0000877	0	0.49080E-06	595939.6	4131315.1	35.4	3.05	4.25	2.13	YES
L0000878	0	0.49080E-06	595948.8	4131315.3	35.4	3.05	4.25	2.13	YES
L0000879	0	0.49080E-06	595957.9	4131315.4	35.3	3.05	4.25	2.13	YES
L0000880	0	0.49080E-06	595967.0	4131315.6	35.3	3.05	4.25	2.13	YES
L0000881	0	0.49080E-06	595976.2	4131315.7	35.3	3.05	4.25	2.13	YES
L0000882	0	0.49080E-06	595985.3	4131315.9	35.2	3.05	4.25	2.13	YES
L0000883	0	0.49080E-06	595994.5	4131316.0	35.1	3.05	4.25	2.13	YES
L0000884	0	0.49080E-06	596003.6	4131316.2	35.1	3.05	4.25	2.13	YES
L0000885	0	0.49080E-06	596012.8	4131316.3	35.1	3.05	4.25	2.13	YES
L0000886	0	0.49080E-06	596021.9	4131316.4	35.1	3.05	4.25	2.13	YES
L0000887	0	0.49080E-06	596031.0	4131316.6	35.0	3.05	4.25	2.13	YES
L0000888	0	0.49080E-06	596040.2	4131316.9	35.0	3.05	4.25	2.13	YES
L0000889	0	0.49080E-06	596049.3	4131317.1	35.0	3.05	4.25	2.13	YES
L0000890	0	0.49080E-06	596058.5	4131317.3	34.9	3.05	4.25	2.13	YES
L0000891	0	0.49080E-06	596067.6	4131317.6	34.8	3.05	4.25	2.13	YES
L0000892	0	0.49080E-06	596076.7	4131317.8	34.9	3.05	4.25	2.13	YES
L0000893	0	0.49080E-06	596085.9	4131318.1	34.8	3.05	4.25	2.13	YES
L0000894	0	0.49080E-06	596095.0	4131318.3	34.8	3.05	4.25	2.13	YES

L0000895	0	0.49080E-06	596104.2	4131318.5	34.8	3.05	4.25	2.13	YES
L0000896	0	0.49080E-06	596113.3	4131318.8	34.7	3.05	4.25	2.13	YES
L0000897	0	0.49080E-06	596122.4	4131319.0	34.7	3.05	4.25	2.13	YES
L0000898	0	0.49080E-06	596131.6	4131319.2	34.7	3.05	4.25	2.13	YES
L0000899	0	0.49080E-06	596140.7	4131319.3	34.7	3.05	4.25	2.13	YES
L0000900	0	0.49080E-06	596149.9	4131319.3	34.8	3.05	4.25	2.13	YES
L0000901	0	0.49080E-06	596159.0	4131319.4	34.8	3.05	4.25	2.13	YES
L0000902	0	0.49080E-06	596168.2	4131319.5	34.8	3.05	4.25	2.13	YES
L0000903	0	0.49080E-06	596177.3	4131319.5	34.8	3.05	4.25	2.13	YES
L0000904	0	0.49080E-06	596186.5	4131319.6	34.8	3.05	4.25	2.13	YES

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\*\*\* MODELOPTs: RegDEFAULT CONC ELEV URBAN

\*\*\* VOLUME SOURCE DATA \*\*\*

SOURCE ID	PART. CATS.	NUMBER EMISSION RATE (GRAMS/SEC) (METERS)	X (METERS)	Y (METERS)	BASE ELEV. (METERS)	RELEASE HEIGHT (METERS)	INIT. SY (METERS)	INIT. SZ (METERS)	URBAN SOURCE SCALAR VARY BY
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L0000905	0	0.49080E-06	596195.6	4131319.6	34.8	3.05	4.25	2.13	YES
L0000906	0	0.49080E-06	596204.7	4131319.8	34.8	3.05	4.25	2.13	YES
L0000907	0	0.49080E-06	596213.9	4131320.0	34.8	3.05	4.25	2.13	YES
L0000908	0	0.49080E-06	596223.0	4131320.3	34.8	3.05	4.25	2.13	YES
L0000909	0	0.49080E-06	596232.2	4131320.5	34.8	3.05	4.25	2.13	YES
L0000910	0	0.49080E-06	596241.3	4131320.8	34.7	3.05	4.25	2.13	YES
L0000911	0	0.49080E-06	596250.4	4131321.0	34.7	3.05	4.25	2.13	YES
L0000912	0	0.49080E-06	596259.6	4131321.3	34.6	3.05	4.25	2.13	YES
L0000913	0	0.49080E-06	596268.7	4131321.6	34.6	3.05	4.25	2.13	YES
L0000914	0	0.49080E-06	596277.9	4131321.8	34.6	3.05	4.25	2.13	YES
L0000915	0	0.49080E-06	596287.0	4131321.9	34.5	3.05	4.25	2.13	YES
L0000916	0	0.49080E-06	596296.2	4131321.9	34.5	3.05	4.25	2.13	YES
L0000917	0	0.49080E-06	596305.3	4131322.0	34.5	3.05	4.25	2.13	YES
L0000918	0	0.49080E-06	596314.4	4131322.1	34.4	3.05	4.25	2.13	YES
L0000919	0	0.49080E-06	596323.6	4131322.2	34.4	3.05	4.25	2.13	YES
L0000920	0	0.49080E-06	596332.7	4131322.2	34.4	3.05	4.25	2.13	YES
L0000921	0	0.49080E-06	596341.9	4131322.3	34.3	3.05	4.25	2.13	YES
L0000922	0	0.49080E-06	596351.0	4131322.4	34.3	3.05	4.25	2.13	YES
L0000923	0	0.49080E-06	596360.2	4131322.5	34.3	3.05	4.25	2.13	YES
L0000924	0	0.49080E-06	596369.3	4131322.5	34.3	3.05	4.25	2.13	YES
L0000925	0	0.49080E-06	596378.4	4131322.6	34.2	3.05	4.25	2.13	YES
L0000926	0	0.49080E-06	596387.6	4131322.7	34.1	3.05	4.25	2.13	YES
L0000927	0	0.49080E-06	596396.7	4131322.8	34.1	3.05	4.25	2.13	YES
L0000928	0	0.49080E-06	596405.9	4131322.9	34.1	3.05	4.25	2.13	YES
L0000929	0	0.49080E-06	596415.0	4131323.1	34.0	3.05	4.25	2.13	YES
L0000930	0	0.49080E-06	596424.2	4131323.3	34.0	3.05	4.25	2.13	YES
L0000931	0	0.49080E-06	596433.3	4131323.5	34.0	3.05	4.25	2.13	YES
L0000932	0	0.49080E-06	596442.4	4131323.7	34.0	3.05	4.25	2.13	YES
L0000933	0	0.49080E-06	596451.6	4131323.9	33.9	3.05	4.25	2.13	YES
L0000934	0	0.49080E-06	596460.7	4131324.3	33.9	3.05	4.25	2.13	YES

L0000935	0	0.49080E-06	596469.9	4131324.7	33.9	3.05	4.25	2.13	YES
L0000936	0	0.49080E-06	596479.0	4131325.0	33.7	3.05	4.25	2.13	YES
L0000937	0	0.49080E-06	596488.1	4131325.4	33.7	3.05	4.25	2.13	YES
L0000938	0	0.49080E-06	596497.3	4131325.9	33.6	3.05	4.25	2.13	YES
L0000939	0	0.49080E-06	596506.4	4131326.3	33.5	3.05	4.25	2.13	YES
L0000940	0	0.49080E-06	596515.5	4131326.8	33.5	3.05	4.25	2.13	YES
L0000941	0	0.49080E-06	596524.7	4131327.2	33.4	3.05	4.25	2.13	YES
L0000942	0	0.49080E-06	596533.8	4131327.7	33.4	3.05	4.25	2.13	YES
L0000943	0	0.49080E-06	596542.9	4131328.2	33.3	3.05	4.25	2.13	YES
L0000944	0	0.49080E-06	596552.0	4131328.8	33.3	3.05	4.25	2.13	YES

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\*\*\* MODELOPTs: RegDEFAULT CONC ELEV URBAN

\*\*\* VOLUME SOURCE DATA \*\*\*

SOURCE ID	PART. CATS.	NUMBER EMISSION RATE (GRAMS/SEC) (METERS)	X (METERS)	Y (METERS)	BASE RELEASE ELEV. (METERS)	INIT. HEIGHT (METERS)	INIT. SY (METERS)	INIT. SZ (METERS)	URBAN SOURCE SCALAR VARY BY
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L0000945	0	0.49080E-06	596561.2	4131329.5	33.2	3.05	4.25	2.13	YES
L0000946	0	0.49080E-06	596570.3	4131330.2	33.2	3.05	4.25	2.13	YES
L0000947	0	0.49080E-06	596579.4	4131330.8	33.2	3.05	4.25	2.13	YES
L0000948	0	0.49080E-06	596588.5	4131331.5	33.1	3.05	4.25	2.13	YES
L0000949	0	0.49080E-06	596597.6	4131332.2	33.1	3.05	4.25	2.13	YES
L0000950	0	0.49080E-06	596606.8	4131332.8	32.9	3.05	4.25	2.13	YES
L0000951	0	0.49080E-06	596615.9	4131333.5	32.8	3.05	4.25	2.13	YES
L0000952	0	0.49080E-06	596625.0	4131334.1	32.8	3.05	4.25	2.13	YES
L0000953	0	0.49080E-06	596634.1	4131334.8	32.8	3.05	4.25	2.13	YES
L0000954	0	0.49080E-06	596643.2	4131335.4	32.7	3.05	4.25	2.13	YES
L0000955	0	0.49080E-06	596652.4	4131336.0	32.6	3.05	4.25	2.13	YES
L0000956	0	0.49080E-06	596661.5	4131336.6	32.6	3.05	4.25	2.13	YES
L0000957	0	0.49080E-06	596670.6	4131337.2	32.6	3.05	4.25	2.13	YES
L0000958	0	0.49080E-06	596679.7	4131337.8	32.6	3.05	4.25	2.13	YES
L0000959	0	0.49080E-06	596688.9	4131338.4	32.6	3.05	4.25	2.13	YES
L0000960	0	0.49080E-06	596698.0	4131339.0	32.5	3.05	4.25	2.13	YES
L0000961	0	0.49080E-06	596707.1	4131339.6	32.5	3.05	4.25	2.13	YES
L0000962	0	0.49080E-06	596716.2	4131340.1	32.5	3.05	4.25	2.13	YES
L0000963	0	0.49080E-06	596725.4	4131340.6	32.5	3.05	4.25	2.13	YES
L0000964	0	0.49080E-06	596734.5	4131341.1	32.5	3.05	4.25	2.13	YES
L0000965	0	0.49080E-06	596743.6	4131341.6	32.4	3.05	4.25	2.13	YES
L0000966	0	0.49080E-06	596752.8	4131342.0	32.3	3.05	4.25	2.13	YES
L0000967	0	0.49080E-06	596761.9	4131342.5	32.3	3.05	4.25	2.13	YES
L0000968	0	0.49080E-06	596771.0	4131343.0	32.3	3.05	4.25	2.13	YES
L0000969	0	0.49080E-06	596780.2	4131343.5	32.2	3.05	4.25	2.13	YES
L0000970	0	0.49080E-06	596789.3	4131343.9	32.2	3.05	4.25	2.13	YES
L0000971	0	0.49080E-06	596798.4	4131344.4	32.1	3.05	4.25	2.13	YES
L0000972	0	0.49080E-06	596807.6	4131344.9	32.3	3.05	4.25	2.13	YES
L0000973	0	0.49080E-06	596816.7	4131345.4	32.1	3.05	4.25	2.13	YES
L0000974	0	0.49080E-06	596825.8	4131345.9	32.1	3.05	4.25	2.13	YES

L0000975	0	0.49080E-06	596834.9	4131346.4	32.1	3.05	4.25	2.13	YES
L0000976	0	0.49080E-06	596844.1	4131347.0	32.0	3.05	4.25	2.13	YES
L0000977	0	0.49080E-06	596853.2	4131347.6	32.0	3.05	4.25	2.13	YES
L0000978	0	0.49080E-06	596862.3	4131348.2	31.9	3.05	4.25	2.13	YES
L0000979	0	0.49080E-06	596871.5	4131348.8	31.9	3.05	4.25	2.13	YES
L0000980	0	0.49080E-06	596880.6	4131349.3	31.9	3.05	4.25	2.13	YES
L0000981	0	0.49080E-06	596889.7	4131349.9	31.9	3.05	4.25	2.13	YES
L0000982	0	0.49080E-06	596898.8	4131350.5	31.9	3.05	4.25	2.13	YES
L0000983	0	0.49080E-06	596907.9	4131351.2	31.9	3.05	4.25	2.13	YES
L0000984	0	0.49080E-06	596917.1	4131352.0	31.8	3.05	4.25	2.13	YES

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\*\*\* MODELOPTs: RegDFAULT CONC ELEV URBAN

\*\*\* VOLUME SOURCE DATA \*\*\*

SOURCE ID	CATS.	NUMBER EMISSION RATE PART. (GRAMS/SEC) (METERS)	X (METERS)	Y (METERS)	BASE RELEASE ELEV. (METERS)	INIT. HEIGHT (METERS)	INIT. SY (METERS)	INIT. SZ (METERS)	URBAN SOURCE SCALAR VARY BY
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L0000985	0	0.49080E-06	596926.2	4131352.8	31.8	3.05	4.25	2.13	YES
L0000986	0	0.49080E-06	596935.3	4131353.7	31.8	3.05	4.25	2.13	YES
L0000987	0	0.49080E-06	596944.4	4131354.5	31.7	3.05	4.25	2.13	YES
L0000988	0	0.49080E-06	596953.5	4131355.4	31.7	3.05	4.25	2.13	YES
L0000989	0	0.49080E-06	596962.6	4131356.2	31.7	3.05	4.25	2.13	YES
L0000990	0	0.49080E-06	596971.7	4131357.1	31.7	3.05	4.25	2.13	YES
L0000991	0	0.49080E-06	596980.8	4131357.9	31.7	3.05	4.25	2.13	YES
L0000992	0	0.49080E-06	596989.9	4131358.8	31.6	3.05	4.25	2.13	YES

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\*\*\* MODELOPTs: RegDFAULT CONC ELEV URBAN

\*\*\* SOURCE IDs DEFINING SOURCE GROUPS \*\*\*

SRCGROUP ID

SOURCE IDs

ALL L0000993 , L0000994 , L0000995 , L0000996 , L0000997 , L0000998 , L0000999 , L0001000 ,  
 L0001001 , L0001002 , L0001003 , L0001004 , L0001005 , L0001006 , L0001007 , L0001008 ,  
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L0001137 , L0001138 , L0001139 , L0001140 , L0001141 , L0001142 , L0001143 , L0001144 ,  
L0001145 , L0001146 , L0001147 , L0001148 , L0001149 , L0001150 , L0001151 , L0001152 ,

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\*\*\* MODELOPTs: RegDFAULT CONC ELEV URBAN

\*\*\* SOURCE IDs DEFINING SOURCE GROUPS \*\*\*

SRCGROUP ID

SOURCE IDs

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L0001153 , L0001154 , L0001155 , L0001156 , L0001157 , L0001158 , L0001159 , L0001160 ,  
L0001161 , L0001162 , L0001163 , L0001164 , L0001165 , L0001166 , L0001167 , L0001168 ,  
L0001169 , L0001170 , L0001171 , L0001172 , L0001173 , L0001174 , L0001175 , L0001176 ,  
L0001177 , L0001178 , L0001179 , L0001180 , L0001181 , L0001182 , L0001183 , L0001184 ,  
L0001185 , L0001186 , L0001187 , L0001188 , L0001189 , L0001190 , L0001191 , L0001192 ,

L0001193 , L0001194 , L0001195 , L0001196 , L0000789 , L0000790 , L0000791 , L0000792 ,  
 L0000793 , L0000794 , L0000795 , L0000796 , L0000797 , L0000798 , L0000799 , L0000800 ,  
 L0000801 , L0000802 , L0000803 , L0000804 , L0000805 , L0000806 , L0000807 , L0000808 ,  
 L0000809 , L0000810 , L0000811 , L0000812 , L0000813 , L0000814 , L0000815 , L0000816 ,  
 L0000817 , L0000818 , L0000819 , L0000820 , L0000821 , L0000822 , L0000823 , L0000824 ,  
 L0000825 , L0000826 , L0000827 , L0000828 , L0000829 , L0000830 , L0000831 , L0000832 ,  
 L0000833 , L0000834 , L0000835 , L0000836 , L0000837 , L0000838 , L0000839 , L0000840 ,  
 L0000841 , L0000842 , L0000843 , L0000844 , L0000845 , L0000846 , L0000847 , L0000848 ,  
 L0000849 , L0000850 , L0000851 , L0000852 , L0000853 , L0000854 , L0000855 , L0000856 ,  
 L0000857 , L0000858 , L0000859 , L0000860 , L0000861 , L0000862 , L0000863 , L0000864 ,  
 L0000865 , L0000866 , L0000867 , L0000868 , L0000869 , L0000870 , L0000871 , L0000872 ,  
 L0000873 , L0000874 , L0000875 , L0000876 , L0000877 , L0000878 , L0000879 , L0000880 ,  
 L0000881 , L0000882 , L0000883 , L0000884 , L0000885 , L0000886 , L0000887 , L0000888 ,  
 L0000889 , L0000890 , L0000891 , L0000892 , L0000893 , L0000894 , L0000895 , L0000896 ,  
 L0000897 , L0000898 , L0000899 , L0000900 , L0000901 , L0000902 , L0000903 , L0000904 ,

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\*\*\* MODELOPTs: RegDFAULT CONC ELEV URBAN

\*\*\* SOURCE IDs DEFINING SOURCE GROUPS \*\*\*

SRCGROUP ID

SOURCE IDs

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L0000905 , L0000906 , L0000907 , L0000908 , L0000909 , L0000910 , L0000911 , L0000912 ,  
 L0000913 , L0000914 , L0000915 , L0000916 , L0000917 , L0000918 , L0000919 , L0000920 ,  
 L0000921 , L0000922 , L0000923 , L0000924 , L0000925 , L0000926 , L0000927 , L0000928 ,  
 L0000929 , L0000930 , L0000931 , L0000932 , L0000933 , L0000934 , L0000935 , L0000936 ,  
 L0000937 , L0000938 , L0000939 , L0000940 , L0000941 , L0000942 , L0000943 , L0000944 ,  
 L0000945 , L0000946 , L0000947 , L0000948 , L0000949 , L0000950 , L0000951 , L0000952 ,

L0000953 , L0000954 , L0000955 , L0000956 , L0000957 , L0000958 , L0000959 , L0000960 ,  
L0000961 , L0000962 , L0000963 , L0000964 , L0000965 , L0000966 , L0000967 , L0000968 ,  
L0000969 , L0000970 , L0000971 , L0000972 , L0000973 , L0000974 , L0000975 , L0000976 ,  
L0000977 , L0000978 , L0000979 , L0000980 , L0000981 , L0000982 , L0000983 , L0000984 ,  
L0000985 , L0000986 , L0000987 , L0000988 , L0000989 , L0000990 , L0000991 , L0000992 ,

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\*\*\* MODELOPTs: RegDFAULT CONC ELEV URBAN

\*\*\* SOURCE IDs DEFINED AS URBAN SOURCES \*\*\*

URBAN ID URBAN POP

SOURCE IDs

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1035000. L0000993 , L0000994 , L0000995 , L0000996 , L0000997 , L0000998 , L0000999 ,  
L0001000 ,

L0001001 , L0001002 , L0001003 , L0001004 , L0001005 , L0001006 , L0001007 , L0001008 ,

L0001009 , L0001010 , L0001011 , L0001012 , L0001013 , L0001014 , L0001015 , L0001016 ,

L0001017 , L0001018 , L0001019 , L0001020 , L0001021 , L0001022 , L0001023 , L0001024 ,

L0001025 , L0001026 , L0001027 , L0001028 , L0001029 , L0001030 , L0001031 , L0001032 ,

L0001033 , L0001034 , L0001035 , L0001036 , L0001037 , L0001038 , L0001039 , L0001040 ,

L0001041 , L0001042 , L0001043 , L0001044 , L0001045 , L0001046 , L0001047 , L0001048 ,

L0001049 , L0001050 , L0001051 , L0001052 , L0001053 , L0001054 , L0001055 , L0001056 ,

L0001057 , L0001058 , L0001059 , L0001060 , L0001061 , L0001062 , L0001063 , L0001064 ,

L0001065 , L0001066 , L0001067 , L0001068 , L0001069 , L0001070 , L0001071 , L0001072 ,

L0001073 , L0001074 , L0001075 , L0001076 , L0001077 , L0001078 , L0001079 , L0001080 ,

L0001081 , L0001082 , L0001083 , L0001084 , L0001085 , L0001086 , L0001087 , L0001088 ,

L0001089 , L0001090 , L0001091 , L0001092 , L0001093 , L0001094 , L0001095 , L0001096 ,

L0001097 , L0001098 , L0001099 , L0001100 , L0001101 , L0001102 , L0001103 , L0001104 ,

L0001105 , L0001106 , L0001107 , L0001108 , L0001109 , L0001110 , L0001111 , L0001112 ,

L0001113 , L0001114 , L0001115 , L0001116 , L0001117 , L0001118 , L0001119 , L0001120 ,

L0001121 ,L0001122 ,L0001123 ,L0001124 ,L0001125 ,L0001126 ,L0001127 ,L0001128 ,  
L0001129 ,L0001130 ,L0001131 ,L0001132 ,L0001133 ,L0001134 ,L0001135 ,L0001136 ,  
L0001137 ,L0001138 ,L0001139 ,L0001140 ,L0001141 ,L0001142 ,L0001143 ,L0001144 ,  
L0001145 ,L0001146 ,L0001147 ,L0001148 ,L0001149 ,L0001150 ,L0001151 ,L0001152 ,

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\*\*\* MODELOPTs: RegDFAULT CONC ELEV URBAN

\*\*\* SOURCE IDs DEFINED AS URBAN SOURCES \*\*\*

URBAN ID	URBAN POP	SOURCE IDs					
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L0001153	,L0001154	,L0001155	,L0001156	,L0001157	,L0001158	,L0001159	,L0001160
L0001161	,L0001162	,L0001163	,L0001164	,L0001165	,L0001166	,L0001167	,L0001168
L0001169	,L0001170	,L0001171	,L0001172	,L0001173	,L0001174	,L0001175	,L0001176
L0001177	,L0001178	,L0001179	,L0001180	,L0001181	,L0001182	,L0001183	,L0001184
L0001185	,L0001186	,L0001187	,L0001188	,L0001189	,L0001190	,L0001191	,L0001192
L0001193	,L0001194	,L0001195	,L0001196	,L0000789	,L0000790	,L0000791	,L0000792
L0000793	,L0000794	,L0000795	,L0000796	,L0000797	,L0000798	,L0000799	,L0000800
L0000801	,L0000802	,L0000803	,L0000804	,L0000805	,L0000806	,L0000807	,L0000808
L0000809	,L0000810	,L0000811	,L0000812	,L0000813	,L0000814	,L0000815	,L0000816
L0000817	,L0000818	,L0000819	,L0000820	,L0000821	,L0000822	,L0000823	,L0000824
L0000825	,L0000826	,L0000827	,L0000828	,L0000829	,L0000830	,L0000831	,L0000832
L0000833	,L0000834	,L0000835	,L0000836	,L0000837	,L0000838	,L0000839	,L0000840
L0000841	,L0000842	,L0000843	,L0000844	,L0000845	,L0000846	,L0000847	,L0000848
L0000849	,L0000850	,L0000851	,L0000852	,L0000853	,L0000854	,L0000855	,L0000856
L0000857	,L0000858	,L0000859	,L0000860	,L0000861	,L0000862	,L0000863	,L0000864
L0000865	,L0000866	,L0000867	,L0000868	,L0000869	,L0000870	,L0000871	,L0000872
L0000873	,L0000874	,L0000875	,L0000876	,L0000877	,L0000878	,L0000879	,L0000880

L0000881 , L0000882 , L0000883 , L0000884 , L0000885 , L0000886 , L0000887 , L0000888 ,  
 L0000889 , L0000890 , L0000891 , L0000892 , L0000893 , L0000894 , L0000895 , L0000896 ,  
 L0000897 , L0000898 , L0000899 , L0000900 , L0000901 , L0000902 , L0000903 , L0000904 ,  
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\*\*\* MODELOPTs: RegDFAULT CONC ELEV URBAN

\*\*\* SOURCE IDs DEFINED AS URBAN SOURCES \*\*\*

URBAN ID	URBAN POP	SOURCE IDs
-----	-----	-----
L0000905	, L0000906	, L0000907 , L0000908 , L0000909 , L0000910 , L0000911 , L0000912 ,
L0000913	, L0000914	, L0000915 , L0000916 , L0000917 , L0000918 , L0000919 , L0000920 ,
L0000921	, L0000922	, L0000923 , L0000924 , L0000925 , L0000926 , L0000927 , L0000928 ,
L0000929	, L0000930	, L0000931 , L0000932 , L0000933 , L0000934 , L0000935 , L0000936 ,
L0000937	, L0000938	, L0000939 , L0000940 , L0000941 , L0000942 , L0000943 , L0000944 ,
L0000945	, L0000946	, L0000947 , L0000948 , L0000949 , L0000950 , L0000951 , L0000952 ,
L0000953	, L0000954	, L0000955 , L0000956 , L0000957 , L0000958 , L0000959 , L0000960 ,
L0000961	, L0000962	, L0000963 , L0000964 , L0000965 , L0000966 , L0000967 , L0000968 ,
L0000969	, L0000970	, L0000971 , L0000972 , L0000973 , L0000974 , L0000975 , L0000976 ,
L0000977	, L0000978	, L0000979 , L0000980 , L0000981 , L0000982 , L0000983 , L0000984 ,
L0000985	, L0000986	, L0000987 , L0000988 , L0000989 , L0000990 , L0000991 , L0000992 ,

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\*\*\* MODELOPTs: RegDFAULT CONC ELEV URBAN

\*\*\* GRIDDED RECEPTOR NETWORK SUMMARY \*\*\*

\*\*\* NETWORK ID: HYATT ; NETWORK TYPE: GRIDCART \*\*\*

\*\*\* X-COORDINATES OF GRID \*\*\*  
 (METERS)

595941.5, 595946.5, 595951.5, 595956.5, 595961.5, 595966.5, 595971.5, 595976.5, 595981.5, 595986.5,  
 595991.5, 595996.5, 596001.5, 596006.5, 596011.5,

\*\*\* Y-COORDINATES OF GRID \*\*\*  
(METERS)

4131267.5, 4131272.5, 4131277.5, 4131282.5, 4131287.5, 4131292.5,  
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\*\*\* MODELOPTs: RegDFAULT CONC ELEV URBAN

\*\*\* NETWORK ID: HYATT ; NETWORK TYPE: GRIDCART \*\*\*

\* ELEVATION HEIGHTS IN METERS \*

Y-COORD	X-COORD (METERS)								
(METERS)	595941.51	595946.51	595951.51	595956.51	595961.51	595966.51	595971.51	595976.51	595981.51

-----

4131292.54	35.60	35.60	35.60	35.60	35.50	35.50	35.50	35.50	35.50
4131287.54	35.50	35.60	35.60	35.60	35.60	35.60	35.60	35.50	35.50
4131282.54	35.50	35.50	35.60	35.60	35.60	35.60	35.60	35.60	35.50
4131277.54	35.50	35.50	35.60	35.60	35.60	35.70	35.70	35.60	35.60
4131272.54	35.50	35.50	35.60	35.60	35.60	35.70	35.70	35.60	35.60
4131267.54	35.50	35.50	35.60	35.70	35.60	35.60	35.60	35.60	35.60

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\*\*\* MODELOPTs: RegDFAULT CONC ELEV URBAN

\*\*\* NETWORK ID: HYATT ; NETWORK TYPE: GRIDCART \*\*\*

\* ELEVATION HEIGHTS IN METERS \*

Y-COORD	X-COORD (METERS)					
(METERS)	595986.51	595991.51	595996.51	596001.51	596006.51	596011.51

-----

4131292.54	35.40	35.40	35.30	35.30	35.30	35.30
4131287.54	35.40	35.40	35.40	35.30	35.30	35.30
4131282.54	35.50	35.40	35.40	35.40	35.40	35.40
4131277.54	35.60	35.50	35.50	35.40	35.40	35.50
4131272.54	35.60	35.60	35.50	35.50	35.50	35.50
4131267.54	35.60	35.60	35.60	35.50	35.50	35.50

\*\*\* AERMOD - VERSION 18081 \*\*\* \*\* C:\Lakes\AERMOD View\Hyatt Hotel San Jose\Hyatt Hotel San  
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\*\*\* MODELOPTs: RegDFAULT CONC ELEV URBAN

\*\*\* NETWORK ID: HYATT ; NETWORK TYPE: GRIDCART \*\*\*

\* HILL HEIGHT SCALES IN METERS \*

Y-COORD (METERS)	X-COORD (METERS)							
595941.51	595946.51	595951.51	595956.51	595961.51	595966.51	595971.51	595976.51	595981.51

---

4131292.54	35.60	35.60	35.60	35.60	35.50	35.50	35.50	35.50	35.50
4131287.54	35.50	35.60	35.60	35.60	35.60	35.60	35.60	35.50	35.50
4131282.54	35.50	35.50	35.60	35.60	35.60	35.60	35.60	35.60	35.50
4131277.54	35.50	35.50	35.60	35.60	35.60	35.70	35.70	35.60	35.60
4131272.54	35.50	35.50	35.60	35.60	35.60	35.70	35.70	35.60	35.60
4131267.54	35.50	35.50	35.60	35.70	35.60	35.60	35.60	35.60	35.60

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\*\*\* MODELOPTs: RegDFAULT CONC ELEV URBAN

\*\*\* NETWORK ID: HYATT ; NETWORK TYPE: GRIDCART \*\*\*

\* HILL HEIGHT SCALES IN METERS \*

Y-COORD (METERS)	X-COORD (METERS)					
595986.51	595991.51	595996.51	596001.51	596006.51	596011.51	

---

4131292.54	35.40	35.40	35.30	35.30	35.30	35.30
4131287.54	35.40	35.40	35.40	35.30	35.30	35.30
4131282.54	35.50	35.40	35.40	35.40	35.40	35.40
4131277.54	35.60	35.50	35.50	35.40	35.40	35.50
4131272.54	35.60	35.60	35.50	35.50	35.50	35.50
4131267.54	35.60	35.60	35.60	35.50	35.50	35.50

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\*\*\* MODELOPTs: RegDFAULT CONC ELEV URBAN

\* SOURCE-RECEPTOR COMBINATIONS FOR WHICH CALCULATIONS MAY NOT BE PERFORMED \*  
 LESS THAN 1.0 METER; WITHIN OPENPIT; OR BEYOND 80KM FOR FASTAREA/FASTALL

SOURCE ID	-- RECEPTOR LOCATION --		DISTANCE (METERS)
	XR (METERS)	YR (METERS)	
L0001081	595941.5	4131292.5	-1.83
L0001081	595946.5	4131292.5	0.53
L0001082	595946.5	4131292.5	-1.28
L0001082	595951.5	4131292.5	-1.36
L0001083	595956.5	4131292.5	-1.27
L0001083	595961.5	4131292.5	-0.82
L0001084	595961.5	4131292.5	0.74



First 24 hours of scalar data

YR	MO	DY	JDY	HR	H0	U*	W*	DT/DZ	ZICNV	ZIMCH	M-O	LEN	Z0	BOWEN	ALBEDO	REF	WS	WD	
HT	REF	TA	HT																
09	01	01	1	01	-999.0	-9.000	-9.000	-9.000	-999.	-999.	-999999.0	0.25	1.10	1.00	0.00	0.	10.0	282.5	2.0
09	01	01	1	02	-13.4	0.236	-9.000	-9.000	-999.	275.	89.0	0.32	1.10	1.00	2.36	18.	10.0	282.5	2.0
09	01	01	1	03	-7.9	0.139	-9.000	-9.000	-999.	128.	30.9	0.32	1.10	1.00	1.76	4.	10.0	282.0	2.0
09	01	01	1	04	-12.4	0.217	-9.000	-9.000	-999.	242.	74.8	0.25	1.10	1.00	2.36	73.	10.0	281.4	2.0
09	01	01	1	05	-999.0	-9.000	-9.000	-9.000	-999.	-999.	-999999.0	0.25	1.10	1.00	0.00	0.	10.0	282.0	2.0
09	01	01	1	06	-9.7	0.170	-9.000	-9.000	-999.	168.	46.1	0.47	1.10	1.00	1.76	342.	10.0	281.4	2.0
09	01	01	1	07	-13.5	0.236	-9.000	-9.000	-999.	275.	88.6	0.32	1.10	1.00	2.36	5.	10.0	281.4	2.0
09	01	01	1	08	-19.7	0.345	-9.000	-9.000	-999.	486.	189.6	0.47	1.10	0.74	2.86	333.	10.0	280.9	2.0
09	01	01	1	09	-8.3	0.363	-9.000	-9.000	-999.	526.	525.4	0.47	1.10	0.39	2.86	327.	10.0	280.9	2.0
09	01	01	1	10	8.1	0.382	0.288	0.014	106.	566.	-625.1	0.47	1.10	0.27	2.86	351.	10.0	280.9	2.0
09	01	01	1	11	17.6	-9.000	-9.000	-9.000	189.	-999.	-999999.0	0.25	1.10	0.23	0.00	0.	10.0	280.9	2.0
09	01	01	1	12	23.0	-9.000	-9.000	-9.000	259.	-999.	-999999.0	0.25	1.10	0.21	0.00	0.	10.0	281.4	2.0
09	01	01	1	13	23.9	-9.000	-9.000	-9.000	315.	-999.	-999999.0	0.25	1.10	0.21	0.00	0.	10.0	281.4	2.0
09	01	01	1	14	48.5	-9.000	-9.000	-9.000	407.	-999.	-999999.0	0.25	1.10	0.22	0.00	0.	10.0	283.1	2.0
09	01	01	1	15	69.5	0.319	0.953	0.016	453.	433.	-42.6	0.32	1.10	0.25	2.36	32.	10.0	283.1	2.0
09	01	01	1	16	24.5	-9.000	-9.000	-9.000	460.	-999.	-999999.0	0.25	1.10	0.33	0.00	0.	10.0	283.1	2.0
09	01	01	1	17	-999.0	-9.000	-9.000	-9.000	-999.	-999.	-999999.0	0.25	1.10	0.57	0.00	0.	10.0	283.1	2.0
09	01	01	1	18	-999.0	-9.000	-9.000	-9.000	-999.	-999.	-999999.0	0.25	1.10	1.00	0.00	0.	10.0	282.5	2.0
09	01	01	1	19	-24.2	0.212	-9.000	-9.000	-999.	235.	35.9	0.47	1.10	1.00	2.36	324.	10.0	281.4	2.0
09	01	01	1	20	-999.0	-9.000	-9.000	-9.000	-999.	-999.	-999999.0	0.25	1.10	1.00	0.00	0.	10.0	281.4	2.0
09	01	01	1	21	-999.0	-9.000	-9.000	-9.000	-999.	-999.	-999999.0	0.25	1.10	1.00	0.00	0.	10.0	280.9	2.0
09	01	01	1	22	-999.0	-9.000	-9.000	-9.000	-999.	-999.	-999999.0	0.25	1.10	1.00	0.00	0.	10.0	280.9	2.0
09	01	01	1	23	-999.0	-9.000	-9.000	-9.000	-999.	-999.	-999999.0	0.25	1.10	1.00	0.00	0.	10.0	280.4	2.0
09	01	01	1	24	-9.7	0.170	-9.000	-9.000	-999.	168.	45.7	0.47	1.10	1.00	1.76	310.	10.0	280.4	2.0

First hour of profile data

YR	MO	DY	HR	HEIGHT	F	WDIR	WSPD	AMB_TMP	sigmaA	sigmaW	sigmaV
09	01	01	01	10.0	1	-999.	-99.00	282.6	99.0	-99.00	-99.00

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

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\*\*\* MODELOPTs: RegDFAULT CONC ELEV URBAN

\*\*\* THE PERIOD ( 43872 HRS) AVERAGE CONCENTRATION VALUES FOR SOURCE

GROUP: ALL

\*\*\*

INCLUDING SOURCE(S): L0000993 , L0000994 , L0000995 , L0000996 , L0000997 ,

L0000998 , L0000999 , L0001000 , L0001001 , L0001002 , L0001003 , L0001004 , L0001005 ,

L0001006 , L0001007 , L0001008 , L0001009 , L0001010 , L0001011 , L0001012 , L0001013 ,

L0001014 , L0001015 , L0001016 , L0001017 , L0001018 , L0001019 , L0001020 , ... ,

\*\*\* NETWORK ID: HYATT ; NETWORK TYPE: GRIDCART \*\*\*

\*\* CONC OF PM\_10 IN MICROGRAMS/M\*\*3 \*\*

Y-COORD | X-COORD (METERS)  
(METERS) | 595941.51 595946.51 595951.51 595956.51 595961.51 595966.51 595971.51 595976.51  
595981.51

-----  
4131292.54 | 0.00784 0.00705 0.00779 0.00789 0.00710 0.00779 0.00704 0.00772 0.00699  
4131287.54 | 0.00730 0.00731 0.00728 0.00725 0.00723 0.00720 0.00717 0.00714 0.00711  
4131282.54 | 0.00625 0.00624 0.00623 0.00621 0.00619 0.00617 0.00615 0.00614 0.00611  
4131277.54 | 0.00547 0.00546 0.00545 0.00544 0.00543 0.00541 0.00540 0.00538 0.00537  
4131272.54 | 0.00487 0.00486 0.00486 0.00484 0.00483 0.00482 0.00481 0.00480 0.00479  
4131267.54 | 0.00439 0.00439 0.00438 0.00437 0.00436 0.00435 0.00435 0.00434 0.00433

\*\*\* AERMOD - VERSION 18081 \*\*\* \*\* C:\Lakes\AERMOD View\Hyatt Hotel San Jose\Hyatt Hotel San  
Jose.isc \*\*\* 11/12/19  
\*\*\* AERMET - VERSION 14134 \*\*\* \*\* 11:17:26

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\*\*\* MODELOPTs: RegDFAULT CONC ELEV URBAN

\*\*\* THE PERIOD ( 43872 HRS) AVERAGE CONCENTRATION VALUES FOR SOURCE  
GROUP: ALL \*\*\*  
INCLUDING SOURCE(S): L0000993 , L0000994 , L0000995 , L0000996 , L0000997  
,  
L0000998 , L0000999 , L0001000 , L0001001 , L0001002 , L0001003 , L0001004 , L0001005  
,  
L0001006 , L0001007 , L0001008 , L0001009 , L0001010 , L0001011 , L0001012 , L0001013  
,  
L0001014 , L0001015 , L0001016 , L0001017 , L0001018 , L0001019 , L0001020 , ... ,

\*\*\* NETWORK ID: HYATT ; NETWORK TYPE: GRIDCART \*\*\*

\*\* CONC OF PM\_10 IN MICROGRAMS/M\*\*3 \*\*

Y-COORD | X-COORD (METERS)  
(METERS) | 595986.51 595991.51 595996.51 596001.51 596006.51 596011.51

-----  
4131292.54 | 0.00763 0.00773 0.00754 0.00763 0.00750 0.00756  
4131287.54 | 0.00707 0.00705 0.00702 0.00698 0.00695 0.00693  
4131282.54 | 0.00609 0.00607 0.00605 0.00603 0.00601 0.00599  
4131277.54 | 0.00535 0.00534 0.00532 0.00530 0.00529 0.00528  
4131272.54 | 0.00478 0.00476 0.00475 0.00474 0.00473 0.00472  
4131267.54 | 0.00432 0.00431 0.00430 0.00429 0.00428 0.00427

\*\*\* AERMOD - VERSION 18081 \*\*\* \*\* C:\Lakes\AERMOD View\Hyatt Hotel San Jose\Hyatt Hotel San  
Jose.isc \*\*\* 11/12/19  
\*\*\* AERMET - VERSION 14134 \*\*\* \*\* 11:17:26

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\*\*\* MODELOPTs: RegDFAULT CONC ELEV URBAN

\*\*\* THE 1ST HIGHEST 1-HR AVERAGE CONCENTRATION VALUES FOR SOURCE  
GROUP: ALL \*\*\*  
INCLUDING SOURCE(S): L0000993 , L0000994 , L0000995 , L0000996 , L0000997  
,  
L0000998 , L0000999 , L0001000 , L0001001 , L0001002 , L0001003 , L0001004 , L0001005  
,

L0001006 , L0001007 , L0001008 , L0001009 , L0001010 , L0001011 , L0001012 , L0001013 ,  
L0001014 , L0001015 , L0001016 , L0001017 , L0001018 , L0001019 , L0001020 , ... ,

\*\*\* NETWORK ID: HYATT ; NETWORK TYPE: GRIDCART \*\*\*

\*\* CONC OF PM\_10 IN MICROGRAMS/M\*\*3 \*\*

Y-COORD   (METERS)	X-COORD (METERS)				
	595941.51	595946.51	595951.51	595956.51	595961.51
4131292.5   (10120217)	0.03342 (10120217)	0.03159 (10120217)	0.03318 (10120217)	0.03381 (10120217)	0.03213
4131287.5   (10120217)	0.03001 (10120217)	0.03001 (10120217)	0.02995 (10120217)	0.02985 (10120217)	0.02979
4131282.5   (10120217)	0.02619 (10120217)	0.02613 (10120217)	0.02613 (10120217)	0.02607 (10120217)	0.02602
4131277.5   (10120217)	0.02327 (10120217)	0.02322 (10120217)	0.02322 (10120217)	0.02317 (10120217)	0.02313
4131272.5   (10120217)	0.02095 (10120217)	0.02092 (10120217)	0.02091 (10120217)	0.02087 (10120217)	0.02084
4131267.5   (10120217)	0.01905 (10120217)	0.01903 (10120217)	0.01902 (10120217)	0.01901 (10120217)	0.01897

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\*\*\* MODELOPTs: RegDFAULT CONC ELEV URBAN

\*\*\* THE 1ST HIGHEST 1-HR AVERAGE CONCENTRATION VALUES FOR SOURCE

GROUP: ALL

\*\*\*

INCLUDING SOURCE(S): L0000993 , L0000994 , L0000995 , L0000996 , L0000997

L0000998 , L0000999 , L0001000 , L0001001 , L0001002 , L0001003 , L0001004 , L0001005

L0001006 , L0001007 , L0001008 , L0001009 , L0001010 , L0001011 , L0001012 , L0001013

L0001014 , L0001015 , L0001016 , L0001017 , L0001018 , L0001019 , L0001020 , ... ,

\*\*\* NETWORK ID: HYATT ; NETWORK TYPE: GRIDCART \*\*\*

\*\* CONC OF PM\_10 IN MICROGRAMS/M\*\*3 \*\*

Y-COORD   (METERS)	X-COORD (METERS)				
	595966.51	595971.51	595976.51	595981.51	595986.51
4131292.5   (10120217)	0.03343 (10120217)	0.03189 (10120217)	0.03318 (10120217)	0.03163 (10120217)	0.03281
4131287.5   (10120217)	0.02972 (10120217)	0.02961 (10120217)	0.02950 (10120217)	0.02940 (10120217)	0.02925
4131282.5   (10120217)	0.02596 (10120217)	0.02590 (10120217)	0.02583 (10120217)	0.02574 (10120217)	0.02569

4131277.5 | 0.02310 (10120217) 0.02306 (10120217) 0.02300 (10120217) 0.02295 (10120217) 0.02291 (10120217)  
4131272.5 | 0.02082 (10120217) 0.02079 (10120217) 0.02074 (10120217) 0.02071 (10120217) 0.02068 (10120217)  
4131267.5 | 0.01895 (10120217) 0.01892 (10120217) 0.01890 (10120217) 0.01888 (10120217) 0.01885 (10120217)

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\*\*\* MODELOPTs: RegDFAULT CONC ELEV URBAN

\*\*\* THE 1ST HIGHEST 1-HR AVERAGE CONCENTRATION VALUES FOR SOURCE  
GROUP: ALL \*\*\*  
INCLUDING SOURCE(S): L0000993 , L0000994 , L0000995 , L0000996 , L0000997  
, L0000998 , L0000999 , L0001000 , L0001001 , L0001002 , L0001003 , L0001004 , L0001005  
, L0001006 , L0001007 , L0001008 , L0001009 , L0001010 , L0001011 , L0001012 , L0001013  
, L0001014 , L0001015 , L0001016 , L0001017 , L0001018 , L0001019 , L0001020 , ... ,

\*\*\* NETWORK ID: HYATT ; NETWORK TYPE: GRIDCART \*\*\*

\*\* CONC OF PM\_10 IN MICROGRAMS/M\*\*3 \*\*

Y-COORD   X-COORD (METERS)	595991.51	595996.51	596001.51	596006.51	596011.51
----------------------------	-----------	-----------	-----------	-----------	-----------

-----  
4131292.5 | 0.03317 (10120217) 0.03241 (10120217) 0.03280 (10120217) 0.03221 (10120217) 0.03256 (10120217)  
4131287.5 | 0.02916 (10120217) 0.02910 (10120217) 0.02892 (10120217) 0.02886 (10120217) 0.02878 (10120217)  
4131282.5 | 0.02558 (10120217) 0.02553 (10120217) 0.02547 (10120217) 0.02541 (10120217) 0.02536 (10120217)  
4131277.5 | 0.02285 (10120217) 0.02280 (10120217) 0.02273 (10120217) 0.02269 (10120217) 0.02267 (10120217)  
4131272.5 | 0.02064 (10120217) 0.02060 (10120217) 0.02056 (10120217) 0.02053 (10120217) 0.02050 (10120217)  
4131267.5 | 0.01883 (10120217) 0.01880 (10120217) 0.01877 (10120217) 0.01874 (10120217) 0.01872 (10120217)

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\*\*\* MODELOPTs: RegDFAULT CONC ELEV URBAN

\*\*\* THE SUMMARY OF MAXIMUM PERIOD ( 43872 HRS) RESULTS \*\*\*

\*\* CONC OF PM\_10 IN MICROGRAMS/M\*\*3 \*\*

NETWORK



A Total of 0 Fatal Error Message(s)  
A Total of 0 Warning Message(s)  
A Total of 13130 Informational Message(s)  
  
A Total of 43872 Hours Were Processed  
  
A Total of 11611 Calm Hours Identified  
  
A Total of 1519 Missing Hours Identified ( 3.46 Percent)

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

\*\*\*\*\* WARNING MESSAGES \*\*\*\*\*  
\*\*\* NONE \*\*\*

\*\*\*\*\*  
\*\*\* AERMOD Finishes Successfully \*\*\*  
\*\*\*\*\*

GLCs loaded successfully  
Pollutants loaded successfully  
Pathway receptors set to 0

\*\*\*\*\*

RISK SCENARIO SETTINGS

Receptor Type: Resident  
Scenario: All  
Calculation Method: Derived

\*\*\*\*\*

EXPOSURE DURATION PARAMETERS FOR CANCER

Start Age: -0.25  
Total Exposure Duration: 9

Exposure Duration Bin Distribution

3rd Trimester Bin: 0.25  
0<2 Years Bin: 2  
2<9 Years Bin: 7  
2<16 Years Bin: 0  
16<30 Years Bin: 0  
16 to 70 Years Bin: 0

\*\*\*\*\*

PATHWAYS ENABLED

NOTE: Inhalation is always enabled and used for all assessments. The remaining pathways are only used for cancer and noncancer chronic assessments.

Inhalation: True  
Soil: True  
Dermal: True  
Mother's milk: True  
Water: False  
Fish: False  
Homegrown crops: False  
Beef: False  
Dairy: False  
Pig: False  
Chicken: False  
Egg: False

\*\*\*\*\*

INHALATION

Daily breathing rate: LongTerm24HR

\*\*Worker Adjustment Factors\*\*

Worker adjustment factors enabled: NO

**\*\*Fraction at time at home\*\***  
3rd Trimester to 16 years: OFF  
16 years to 70 years: OFF

\*\*\*\*\*  
SOIL & DERMAL PATHWAY SETTINGS

Deposition rate (m/s): 0.05  
Soil mixing depth (m): 0.01  
Dermal climate: Mixed

\*\*\*\*\*  
TIER 2 SETTINGS  
Tier2 not used.

\*\*\*\*\*

Calculating cancer risk  
Cancer risk breakdown by pollutant and receptor saved to: C:\HARP2 ADMRT\HYATT HOTEL PROJECT\hra\9  
year\_CancerRisk.csv  
Cancer risk total by receptor saved to: C:\HARP2 ADMRT\HYATT HOTEL PROJECT\hra\9  
year\_CancerRiskSumByRec.csv  
Calculating chronic risk  
Chronic risk breakdown by pollutant and receptor saved to: C:\HARP2 ADMRT\HYATT HOTEL PROJECT\hra\9  
year\_NCChronicRisk.csv  
Chronic risk total by receptor saved to: C:\HARP2 ADMRT\HYATT HOTEL PROJECT\hra\9  
year\_NCChronicRiskSumByRec.csv  
Calculating acute risk  
Acute risk breakdown by pollutant and receptor saved to: C:\HARP2 ADMRT\HYATT HOTEL PROJECT\hra\9  
year\_NCAcuteRisk.csv  
Acute risk total by receptor saved to: C:\HARP2 ADMRT\HYATT HOTEL PROJECT\hra\9  
year\_NCAcuteRiskSumByRec.csv  
HRA ran successfully

REC	GRP	NETID	X	Y	RISK_SUM	SCENARIO	Cancer Risk Per Million
79	ALL	HYATT	595956.51	4131292.54	4.85E-06	9YrCancerDerived_InhSoilDermMMilk	4.85
76	ALL	HYATT	595941.51	4131292.54	4.82E-06	9YrCancerDerived_InhSoilDermMMilk	4.82
78	ALL	HYATT	595951.51	4131292.54	4.79E-06	9YrCancerDerived_InhSoilDermMMilk	4.79
81	ALL	HYATT	595966.51	4131292.54	4.79E-06	9YrCancerDerived_InhSoilDermMMilk	4.79
86	ALL	HYATT	595991.51	4131292.54	4.75E-06	9YrCancerDerived_InhSoilDermMMilk	4.75
83	ALL	HYATT	595976.51	4131292.54	4.74E-06	9YrCancerDerived_InhSoilDermMMilk	4.74
85	ALL	HYATT	595986.51	4131292.54	4.69E-06	9YrCancerDerived_InhSoilDermMMilk	4.69
88	ALL	HYATT	596001.51	4131292.54	4.69E-06	9YrCancerDerived_InhSoilDermMMilk	4.69
90	ALL	HYATT	596011.51	4131292.54	4.65E-06	9YrCancerDerived_InhSoilDermMMilk	4.65
87	ALL	HYATT	595996.51	4131292.54	4.63E-06	9YrCancerDerived_InhSoilDermMMilk	4.63
89	ALL	HYATT	596006.51	4131292.54	4.61E-06	9YrCancerDerived_InhSoilDermMMilk	4.61
62	ALL	HYATT	595946.51	4131287.54	4.49E-06	9YrCancerDerived_InhSoilDermMMilk	4.49
61	ALL	HYATT	595941.51	4131287.54	4.49E-06	9YrCancerDerived_InhSoilDermMMilk	4.49
63	ALL	HYATT	595951.51	4131287.54	4.47E-06	9YrCancerDerived_InhSoilDermMMilk	4.47
64	ALL	HYATT	595956.51	4131287.54	4.46E-06	9YrCancerDerived_InhSoilDermMMilk	4.46
65	ALL	HYATT	595961.51	4131287.54	4.44E-06	9YrCancerDerived_InhSoilDermMMilk	4.44
66	ALL	HYATT	595966.51	4131287.54	4.42E-06	9YrCancerDerived_InhSoilDermMMilk	4.42
67	ALL	HYATT	595971.51	4131287.54	4.41E-06	9YrCancerDerived_InhSoilDermMMilk	4.41
68	ALL	HYATT	595976.51	4131287.54	4.39E-06	9YrCancerDerived_InhSoilDermMMilk	4.39
69	ALL	HYATT	595981.51	4131287.54	4.37E-06	9YrCancerDerived_InhSoilDermMMilk	4.37
80	ALL	HYATT	595961.51	4131292.54	4.36E-06	9YrCancerDerived_InhSoilDermMMilk	4.36
70	ALL	HYATT	595986.51	4131287.54	4.34E-06	9YrCancerDerived_InhSoilDermMMilk	4.34
71	ALL	HYATT	595991.51	4131287.54	4.33E-06	9YrCancerDerived_InhSoilDermMMilk	4.33
77	ALL	HYATT	595946.51	4131292.54	4.33E-06	9YrCancerDerived_InhSoilDermMMilk	4.33
82	ALL	HYATT	595971.51	4131292.54	4.33E-06	9YrCancerDerived_InhSoilDermMMilk	4.33
72	ALL	HYATT	595996.51	4131287.54	4.31E-06	9YrCancerDerived_InhSoilDermMMilk	4.31
84	ALL	HYATT	595981.51	4131292.54	4.30E-06	9YrCancerDerived_InhSoilDermMMilk	4.30
73	ALL	HYATT	596001.51	4131287.54	4.29E-06	9YrCancerDerived_InhSoilDermMMilk	4.29
74	ALL	HYATT	596006.51	4131287.54	4.27E-06	9YrCancerDerived_InhSoilDermMMilk	4.27
75	ALL	HYATT	596011.51	4131287.54	4.26E-06	9YrCancerDerived_InhSoilDermMMilk	4.26
46	ALL	HYATT	595941.51	4131282.54	3.84E-06	9YrCancerDerived_InhSoilDermMMilk	3.84
47	ALL	HYATT	595946.51	4131282.54	3.83E-06	9YrCancerDerived_InhSoilDermMMilk	3.83
48	ALL	HYATT	595951.51	4131282.54	3.83E-06	9YrCancerDerived_InhSoilDermMMilk	3.83
49	ALL	HYATT	595956.51	4131282.54	3.82E-06	9YrCancerDerived_InhSoilDermMMilk	3.82
50	ALL	HYATT	595961.51	4131282.54	3.80E-06	9YrCancerDerived_InhSoilDermMMilk	3.80
51	ALL	HYATT	595966.51	4131282.54	3.79E-06	9YrCancerDerived_InhSoilDermMMilk	3.79
52	ALL	HYATT	595971.51	4131282.54	3.78E-06	9YrCancerDerived_InhSoilDermMMilk	3.78
53	ALL	HYATT	595976.51	4131282.54	3.77E-06	9YrCancerDerived_InhSoilDermMMilk	3.77
54	ALL	HYATT	595981.51	4131282.54	3.75E-06	9YrCancerDerived_InhSoilDermMMilk	3.75
55	ALL	HYATT	595986.51	4131282.54	3.74E-06	9YrCancerDerived_InhSoilDermMMilk	3.74
56	ALL	HYATT	595991.51	4131282.54	3.73E-06	9YrCancerDerived_InhSoilDermMMilk	3.73
57	ALL	HYATT	595996.51	4131282.54	3.72E-06	9YrCancerDerived_InhSoilDermMMilk	3.72
58	ALL	HYATT	596001.51	4131282.54	3.71E-06	9YrCancerDerived_InhSoilDermMMilk	3.71
59	ALL	HYATT	596006.51	4131282.54	3.69E-06	9YrCancerDerived_InhSoilDermMMilk	3.69
60	ALL	HYATT	596011.51	4131282.54	3.68E-06	9YrCancerDerived_InhSoilDermMMilk	3.68
31	ALL	HYATT	595941.51	4131277.54	3.36E-06	9YrCancerDerived_InhSoilDermMMilk	3.36
32	ALL	HYATT	595946.51	4131277.54	3.36E-06	9YrCancerDerived_InhSoilDermMMilk	3.36
33	ALL	HYATT	595951.51	4131277.54	3.35E-06	9YrCancerDerived_InhSoilDermMMilk	3.35
34	ALL	HYATT	595956.51	4131277.54	3.34E-06	9YrCancerDerived_InhSoilDermMMilk	3.34
35	ALL	HYATT	595961.51	4131277.54	3.34E-06	9YrCancerDerived_InhSoilDermMMilk	3.34
36	ALL	HYATT	595966.51	4131277.54	3.32E-06	9YrCancerDerived_InhSoilDermMMilk	3.32
37	ALL	HYATT	595971.51	4131277.54	3.32E-06	9YrCancerDerived_InhSoilDermMMilk	3.32
38	ALL	HYATT	595976.51	4131277.54	3.31E-06	9YrCancerDerived_InhSoilDermMMilk	3.31
39	ALL	HYATT	595981.51	4131277.54	3.30E-06	9YrCancerDerived_InhSoilDermMMilk	3.30
40	ALL	HYATT	595986.51	4131277.54	3.29E-06	9YrCancerDerived_InhSoilDermMMilk	3.29
41	ALL	HYATT	595991.51	4131277.54	3.28E-06	9YrCancerDerived_InhSoilDermMMilk	3.28
42	ALL	HYATT	595996.51	4131277.54	3.27E-06	9YrCancerDerived_InhSoilDermMMilk	3.27
43	ALL	HYATT	596001.51	4131277.54	3.26E-06	9YrCancerDerived_InhSoilDermMMilk	3.26
44	ALL	HYATT	596006.51	4131277.54	3.25E-06	9YrCancerDerived_InhSoilDermMMilk	3.25
45	ALL	HYATT	596011.51	4131277.54	3.24E-06	9YrCancerDerived_InhSoilDermMMilk	3.24
16	ALL	HYATT	595941.51	4131272.54	2.99E-06	9YrCancerDerived_InhSoilDermMMilk	2.99
17	ALL	HYATT	595946.51	4131272.54	2.99E-06	9YrCancerDerived_InhSoilDermMMilk	2.99
18	ALL	HYATT	595951.51	4131272.54	2.99E-06	9YrCancerDerived_InhSoilDermMMilk	2.99
19	ALL	HYATT	595956.51	4131272.54	2.97E-06	9YrCancerDerived_InhSoilDermMMilk	2.97
20	ALL	HYATT	595961.51	4131272.54	2.97E-06	9YrCancerDerived_InhSoilDermMMilk	2.97
21	ALL	HYATT	595966.51	4131272.54	2.96E-06	9YrCancerDerived_InhSoilDermMMilk	2.96
22	ALL	HYATT	595971.51	4131272.54	2.96E-06	9YrCancerDerived_InhSoilDermMMilk	2.96
23	ALL	HYATT	595976.51	4131272.54	2.95E-06	9YrCancerDerived_InhSoilDermMMilk	2.95
24	ALL	HYATT	595981.51	4131272.54	2.94E-06	9YrCancerDerived_InhSoilDermMMilk	2.94
25	ALL	HYATT	595986.51	4131272.54	2.94E-06	9YrCancerDerived_InhSoilDermMMilk	2.94
26	ALL	HYATT	595991.51	4131272.54	2.93E-06	9YrCancerDerived_InhSoilDermMMilk	2.93
27	ALL	HYATT	595996.51	4131272.54	2.92E-06	9YrCancerDerived_InhSoilDermMMilk	2.92
28	ALL	HYATT	596001.51	4131272.54	2.91E-06	9YrCancerDerived_InhSoilDermMMilk	2.91
29	ALL	HYATT	596006.51	4131272.54	2.91E-06	9YrCancerDerived_InhSoilDermMMilk	2.91
30	ALL	HYATT	596011.51	4131272.54	2.90E-06	9YrCancerDerived_InhSoilDermMMilk	2.90
1	ALL	HYATT	595941.51	4131267.54	2.70E-06	9YrCancerDerived_InhSoilDermMMilk	2.70
2	ALL	HYATT	595946.51	4131267.54	2.70E-06	9YrCancerDerived_InhSoilDermMMilk	2.70
3	ALL	HYATT	595951.51	4131267.54	2.69E-06	9YrCancerDerived_InhSoilDermMMilk	2.69
4	ALL	HYATT	595956.51	4131267.54	2.69E-06	9YrCancerDerived_InhSoilDermMMilk	2.69
5	ALL	HYATT	595961.51	4131267.54	2.68E-06	9YrCancerDerived_InhSoilDermMMilk	2.68

6	ALL	HYATT	595966.51	4131267.54	2.67E-06	9YrCancerDerived_InhSoilDermMMilk	2.67
7	ALL	HYATT	595971.51	4131267.54	2.67E-06	9YrCancerDerived_InhSoilDermMMilk	2.67
8	ALL	HYATT	595976.51	4131267.54	2.67E-06	9YrCancerDerived_InhSoilDermMMilk	2.67
9	ALL	HYATT	595981.51	4131267.54	2.66E-06	9YrCancerDerived_InhSoilDermMMilk	2.66
10	ALL	HYATT	595986.51	4131267.54	2.65E-06	9YrCancerDerived_InhSoilDermMMilk	2.65
11	ALL	HYATT	595991.51	4131267.54	2.65E-06	9YrCancerDerived_InhSoilDermMMilk	2.65
12	ALL	HYATT	595996.51	4131267.54	2.64E-06	9YrCancerDerived_InhSoilDermMMilk	2.64
13	ALL	HYATT	596001.51	4131267.54	2.64E-06	9YrCancerDerived_InhSoilDermMMilk	2.64
14	ALL	HYATT	596006.51	4131267.54	2.63E-06	9YrCancerDerived_InhSoilDermMMilk	2.63
15	ALL	HYATT	596011.51	4131267.54	2.62E-06	9YrCancerDerived_InhSoilDermMMilk	2.62

GLCs loaded successfully  
Pollutants loaded successfully  
Pathway receptors set to 0

\*\*\*\*\*

RISK SCENARIO SETTINGS

Receptor Type: Resident  
Scenario: All  
Calculation Method: Derived

\*\*\*\*\*

EXPOSURE DURATION PARAMETERS FOR CANCER

Start Age: -0.25  
Total Exposure Duration: 30

Exposure Duration Bin Distribution

3rd Trimester Bin: 0.25  
0<2 Years Bin: 2  
2<9 Years Bin: 0  
2<16 Years Bin: 14  
16<30 Years Bin: 14  
16 to 70 Years Bin: 0

\*\*\*\*\*

PATHWAYS ENABLED

NOTE: Inhalation is always enabled and used for all assessments. The remaining pathways are only used for cancer and noncancer chronic assessments.

Inhalation: True  
Soil: True  
Dermal: True  
Mother's milk: True  
Water: False  
Fish: False  
Homegrown crops: False  
Beef: False  
Dairy: False  
Pig: False  
Chicken: False  
Egg: False

\*\*\*\*\*

INHALATION

Daily breathing rate: LongTerm24HR

\*\*Worker Adjustment Factors\*\*

Worker adjustment factors enabled: NO

**\*\*Fraction at time at home\*\***  
3rd Trimester to 16 years: OFF  
16 years to 70 years: OFF

\*\*\*\*\*  
**SOIL & DERMAL PATHWAY SETTINGS**

Deposition rate (m/s): 0.05  
Soil mixing depth (m): 0.01  
Dermal climate: Mixed

\*\*\*\*\*  
**TIER 2 SETTINGS**  
Tier2 not used.

\*\*\*\*\*

Calculating cancer risk  
Cancer risk breakdown by pollutant and receptor saved to: C:\HARP2 ADMRT\HYATT HOTEL PROJECT\hra\30  
year\_CancerRisk.csv  
Cancer risk total by receptor saved to: C:\HARP2 ADMRT\HYATT HOTEL PROJECT\hra\30  
year\_CancerRiskSumByRec.csv  
Calculating chronic risk  
Chronic risk breakdown by pollutant and receptor saved to: C:\HARP2 ADMRT\HYATT HOTEL PROJECT\hra\30  
year\_NCChronicRisk.csv  
Chronic risk total by receptor saved to: C:\HARP2 ADMRT\HYATT HOTEL PROJECT\hra\30  
year\_NCChronicRiskSumByRec.csv  
Calculating acute risk  
Acute risk breakdown by pollutant and receptor saved to: C:\HARP2 ADMRT\HYATT HOTEL PROJECT\hra\30  
year\_NCAcuteRisk.csv  
Acute risk total by receptor saved to: C:\HARP2 ADMRT\HYATT HOTEL PROJECT\hra\30  
year\_NCAcuteRiskSumByRec.csv  
HRA ran successfully

REC	GRP	NETID	X	Y	RISK_SUM	SCENARIO	Cancer Risk Per Million
79	ALL	HYATT	595956.5	4131293	6.98E-06	30YrCancerDerived_InhSoilDermMMilk	6.98
76	ALL	HYATT	595941.5	4131293	6.93E-06	30YrCancerDerived_InhSoilDermMMilk	6.93
78	ALL	HYATT	595951.5	4131293	6.89E-06	30YrCancerDerived_InhSoilDermMMilk	6.89
81	ALL	HYATT	595966.5	4131293	6.89E-06	30YrCancerDerived_InhSoilDermMMilk	6.89
86	ALL	HYATT	595991.5	4131293	6.84E-06	30YrCancerDerived_InhSoilDermMMilk	6.84
83	ALL	HYATT	595976.5	4131293	6.83E-06	30YrCancerDerived_InhSoilDermMMilk	6.83
85	ALL	HYATT	595986.5	4131293	6.75E-06	30YrCancerDerived_InhSoilDermMMilk	6.75
88	ALL	HYATT	596001.5	4131293	6.75E-06	30YrCancerDerived_InhSoilDermMMilk	6.75
90	ALL	HYATT	596011.5	4131293	6.69E-06	30YrCancerDerived_InhSoilDermMMilk	6.69
87	ALL	HYATT	595996.5	4131293	6.67E-06	30YrCancerDerived_InhSoilDermMMilk	6.67
89	ALL	HYATT	596006.5	4131293	6.63E-06	30YrCancerDerived_InhSoilDermMMilk	6.63
62	ALL	HYATT	595946.5	4131288	6.46E-06	30YrCancerDerived_InhSoilDermMMilk	6.46
61	ALL	HYATT	595941.5	4131288	6.46E-06	30YrCancerDerived_InhSoilDermMMilk	6.46
63	ALL	HYATT	595951.5	4131288	6.44E-06	30YrCancerDerived_InhSoilDermMMilk	6.44
64	ALL	HYATT	595956.5	4131288	6.41E-06	30YrCancerDerived_InhSoilDermMMilk	6.41
65	ALL	HYATT	595961.5	4131288	6.39E-06	30YrCancerDerived_InhSoilDermMMilk	6.39
66	ALL	HYATT	595966.5	4131288	6.37E-06	30YrCancerDerived_InhSoilDermMMilk	6.37
67	ALL	HYATT	595971.5	4131288	6.34E-06	30YrCancerDerived_InhSoilDermMMilk	6.34
68	ALL	HYATT	595976.5	4131288	6.31E-06	30YrCancerDerived_InhSoilDermMMilk	6.31
69	ALL	HYATT	595981.5	4131288	6.29E-06	30YrCancerDerived_InhSoilDermMMilk	6.29
80	ALL	HYATT	595961.5	4131293	6.28E-06	30YrCancerDerived_InhSoilDermMMilk	6.28
70	ALL	HYATT	595986.5	4131288	6.25E-06	30YrCancerDerived_InhSoilDermMMilk	6.25
71	ALL	HYATT	595991.5	4131288	6.23E-06	30YrCancerDerived_InhSoilDermMMilk	6.23
77	ALL	HYATT	595946.5	4131293	6.23E-06	30YrCancerDerived_InhSoilDermMMilk	6.23
82	ALL	HYATT	595971.5	4131293	6.23E-06	30YrCancerDerived_InhSoilDermMMilk	6.23
72	ALL	HYATT	595996.5	4131288	6.21E-06	30YrCancerDerived_InhSoilDermMMilk	6.21
84	ALL	HYATT	595981.5	4131293	6.18E-06	30YrCancerDerived_InhSoilDermMMilk	6.18
73	ALL	HYATT	596001.5	4131288	6.17E-06	30YrCancerDerived_InhSoilDermMMilk	6.17
74	ALL	HYATT	596006.5	4131288	6.15E-06	30YrCancerDerived_InhSoilDermMMilk	6.15
75	ALL	HYATT	596011.5	4131288	6.13E-06	30YrCancerDerived_InhSoilDermMMilk	6.13
46	ALL	HYATT	595941.5	4131283	5.53E-06	30YrCancerDerived_InhSoilDermMMilk	5.53
47	ALL	HYATT	595946.5	4131283	5.52E-06	30YrCancerDerived_InhSoilDermMMilk	5.52
48	ALL	HYATT	595951.5	4131283	5.51E-06	30YrCancerDerived_InhSoilDermMMilk	5.51
49	ALL	HYATT	595956.5	4131283	5.49E-06	30YrCancerDerived_InhSoilDermMMilk	5.49
50	ALL	HYATT	595961.5	4131283	5.47E-06	30YrCancerDerived_InhSoilDermMMilk	5.47
51	ALL	HYATT	595966.5	4131283	5.46E-06	30YrCancerDerived_InhSoilDermMMilk	5.46
52	ALL	HYATT	595971.5	4131283	5.44E-06	30YrCancerDerived_InhSoilDermMMilk	5.44
53	ALL	HYATT	595976.5	4131283	5.43E-06	30YrCancerDerived_InhSoilDermMMilk	5.43
54	ALL	HYATT	595981.5	4131283	5.40E-06	30YrCancerDerived_InhSoilDermMMilk	5.40
55	ALL	HYATT	595986.5	4131283	5.39E-06	30YrCancerDerived_InhSoilDermMMilk	5.39
56	ALL	HYATT	595991.5	4131283	5.37E-06	30YrCancerDerived_InhSoilDermMMilk	5.37
57	ALL	HYATT	595996.5	4131283	5.35E-06	30YrCancerDerived_InhSoilDermMMilk	5.35
58	ALL	HYATT	596001.5	4131283	5.33E-06	30YrCancerDerived_InhSoilDermMMilk	5.33
59	ALL	HYATT	596006.5	4131283	5.31E-06	30YrCancerDerived_InhSoilDermMMilk	5.31
60	ALL	HYATT	596011.5	4131283	5.30E-06	30YrCancerDerived_InhSoilDermMMilk	5.30
31	ALL	HYATT	595941.5	4131278	4.84E-06	30YrCancerDerived_InhSoilDermMMilk	4.84
32	ALL	HYATT	595946.5	4131278	4.83E-06	30YrCancerDerived_InhSoilDermMMilk	4.83
33	ALL	HYATT	595951.5	4131278	4.82E-06	30YrCancerDerived_InhSoilDermMMilk	4.82
34	ALL	HYATT	595956.5	4131278	4.81E-06	30YrCancerDerived_InhSoilDermMMilk	4.81
35	ALL	HYATT	595961.5	4131278	4.80E-06	30YrCancerDerived_InhSoilDermMMilk	4.80
36	ALL	HYATT	595966.5	4131278	4.78E-06	30YrCancerDerived_InhSoilDermMMilk	4.78
37	ALL	HYATT	595971.5	4131278	4.78E-06	30YrCancerDerived_InhSoilDermMMilk	4.78
38	ALL	HYATT	595976.5	4131278	4.76E-06	30YrCancerDerived_InhSoilDermMMilk	4.76
39	ALL	HYATT	595981.5	4131278	4.75E-06	30YrCancerDerived_InhSoilDermMMilk	4.75
40	ALL	HYATT	595986.5	4131278	4.73E-06	30YrCancerDerived_InhSoilDermMMilk	4.73
41	ALL	HYATT	595991.5	4131278	4.72E-06	30YrCancerDerived_InhSoilDermMMilk	4.72
42	ALL	HYATT	595996.5	4131278	4.70E-06	30YrCancerDerived_InhSoilDermMMilk	4.70
43	ALL	HYATT	596001.5	4131278	4.69E-06	30YrCancerDerived_InhSoilDermMMilk	4.69
44	ALL	HYATT	596006.5	4131278	4.68E-06	30YrCancerDerived_InhSoilDermMMilk	4.68
45	ALL	HYATT	596011.5	4131278	4.67E-06	30YrCancerDerived_InhSoilDermMMilk	4.67
16	ALL	HYATT	595941.5	4131273	4.31E-06	30YrCancerDerived_InhSoilDermMMilk	4.31
17	ALL	HYATT	595946.5	4131273	4.30E-06	30YrCancerDerived_InhSoilDermMMilk	4.30
18	ALL	HYATT	595951.5	4131273	4.30E-06	30YrCancerDerived_InhSoilDermMMilk	4.30
19	ALL	HYATT	595956.5	4131273	4.28E-06	30YrCancerDerived_InhSoilDermMMilk	4.28
20	ALL	HYATT	595961.5	4131273	4.27E-06	30YrCancerDerived_InhSoilDermMMilk	4.27
21	ALL	HYATT	595966.5	4131273	4.26E-06	30YrCancerDerived_InhSoilDermMMilk	4.26
22	ALL	HYATT	595971.5	4131273	4.25E-06	30YrCancerDerived_InhSoilDermMMilk	4.25
23	ALL	HYATT	595976.5	4131273	4.24E-06	30YrCancerDerived_InhSoilDermMMilk	4.24
24	ALL	HYATT	595981.5	4131273	4.24E-06	30YrCancerDerived_InhSoilDermMMilk	4.24
25	ALL	HYATT	595986.5	4131273	4.23E-06	30YrCancerDerived_InhSoilDermMMilk	4.23
26	ALL	HYATT	595991.5	4131273	4.21E-06	30YrCancerDerived_InhSoilDermMMilk	4.21
27	ALL	HYATT	595996.5	4131273	4.20E-06	30YrCancerDerived_InhSoilDermMMilk	4.20
28	ALL	HYATT	596001.5	4131273	4.19E-06	30YrCancerDerived_InhSoilDermMMilk	4.19
29	ALL	HYATT	596006.5	4131273	4.18E-06	30YrCancerDerived_InhSoilDermMMilk	4.18
30	ALL	HYATT	596011.5	4131273	4.17E-06	30YrCancerDerived_InhSoilDermMMilk	4.17
1	ALL	HYATT	595941.5	4131268	3.88E-06	30YrCancerDerived_InhSoilDermMMilk	3.88
2	ALL	HYATT	595946.5	4131268	3.88E-06	30YrCancerDerived_InhSoilDermMMilk	3.88
3	ALL	HYATT	595951.5	4131268	3.87E-06	30YrCancerDerived_InhSoilDermMMilk	3.87
4	ALL	HYATT	595956.5	4131268	3.86E-06	30YrCancerDerived_InhSoilDermMMilk	3.86
5	ALL	HYATT	595961.5	4131268	3.86E-06	30YrCancerDerived_InhSoilDermMMilk	3.86
6	ALL	HYATT	595966.5	4131268	3.85E-06	30YrCancerDerived_InhSoilDermMMilk	3.85

7	ALL	HYATT	595971.5	4131268	3.85E-06	30YrCancerDerived_InhSoilDermMMilk	3.85
8	ALL	HYATT	595976.5	4131268	3.84E-06	30YrCancerDerived_InhSoilDermMMilk	3.84
9	ALL	HYATT	595981.5	4131268	3.83E-06	30YrCancerDerived_InhSoilDermMMilk	3.83
10	ALL	HYATT	595986.5	4131268	3.82E-06	30YrCancerDerived_InhSoilDermMMilk	3.82
11	ALL	HYATT	595991.5	4131268	3.81E-06	30YrCancerDerived_InhSoilDermMMilk	3.81
12	ALL	HYATT	595996.5	4131268	3.80E-06	30YrCancerDerived_InhSoilDermMMilk	3.80
13	ALL	HYATT	596001.5	4131268	3.79E-06	30YrCancerDerived_InhSoilDermMMilk	3.79
14	ALL	HYATT	596006.5	4131268	3.78E-06	30YrCancerDerived_InhSoilDermMMilk	3.78
15	ALL	HYATT	596011.5	4131268	3.78E-06	30YrCancerDerived_InhSoilDermMMilk	3.78

GLCs loaded successfully  
Pollutants loaded successfully  
Pathway receptors set to 0

\*\*\*\*\*

RISK SCENARIO SETTINGS

Receptor Type: Resident  
Scenario: All  
Calculation Method: Derived

\*\*\*\*\*

EXPOSURE DURATION PARAMETERS FOR CANCER

Start Age: -0.25  
Total Exposure Duration: 70

Exposure Duration Bin Distribution

3rd Trimester Bin: 0.25  
0<2 Years Bin: 2  
2<9 Years Bin: 0  
2<16 Years Bin: 14  
16<30 Years Bin: 0  
16 to 70 Years Bin: 54

\*\*\*\*\*

PATHWAYS ENABLED

NOTE: Inhalation is always enabled and used for all assessments. The remaining pathways are only used for cancer and noncancer chronic assessments.

Inhalation: True  
Soil: True  
Dermal: True  
Mother's milk: True  
Water: False  
Fish: False  
Homegrown crops: False  
Beef: False  
Dairy: False  
Pig: False  
Chicken: False  
Egg: False

\*\*\*\*\*

INHALATION

Daily breathing rate: LongTerm24HR

\*\*Worker Adjustment Factors\*\*

Worker adjustment factors enabled: NO

**\*\*Fraction at time at home\*\***  
3rd Trimester to 16 years: OFF  
16 years to 70 years: OFF

\*\*\*\*\*  
SOIL & DERMAL PATHWAY SETTINGS

Deposition rate (m/s): 0.05  
Soil mixing depth (m): 0.01  
Dermal climate: Mixed

\*\*\*\*\*  
TIER 2 SETTINGS  
Tier2 not used.

\*\*\*\*\*

Calculating cancer risk  
Cancer risk breakdown by pollutant and receptor saved to: C:\HARP2 ADMRT\HYATT HOTEL PROJECT\hra\70  
year\_CancerRisk.csv  
Cancer risk total by receptor saved to: C:\HARP2 ADMRT\HYATT HOTEL PROJECT\hra\70  
year\_CancerRiskSumByRec.csv  
Calculating chronic risk  
Chronic risk breakdown by pollutant and receptor saved to: C:\HARP2 ADMRT\HYATT HOTEL PROJECT\hra\70  
year\_NCChronicRisk.csv  
Chronic risk total by receptor saved to: C:\HARP2 ADMRT\HYATT HOTEL PROJECT\hra\70  
year\_NCChronicRiskSumByRec.csv  
Calculating acute risk  
Acute risk breakdown by pollutant and receptor saved to: C:\HARP2 ADMRT\HYATT HOTEL PROJECT\hra\70  
year\_NCAcuteRisk.csv  
Acute risk total by receptor saved to: C:\HARP2 ADMRT\HYATT HOTEL PROJECT\hra\70  
year\_NCAcuteRiskSumByRec.csv  
HRA ran successfully

REC	GRP	NETID	X	Y	RISK_SUM	SCENARIO	Cancer Risk Per Million
79	ALL	HYATT	595956.5	4131293	8.28E-06	70YrCancerDerived_InhSoilDermMMilk	8.28
76	ALL	HYATT	595941.5	4131293	8.23E-06	70YrCancerDerived_InhSoilDermMMilk	8.23
78	ALL	HYATT	595951.5	4131293	8.18E-06	70YrCancerDerived_InhSoilDermMMilk	8.18
81	ALL	HYATT	595966.5	4131293	8.18E-06	70YrCancerDerived_InhSoilDermMMilk	8.18
86	ALL	HYATT	595991.5	4131293	8.11E-06	70YrCancerDerived_InhSoilDermMMilk	8.11
83	ALL	HYATT	595976.5	4131293	8.10E-06	70YrCancerDerived_InhSoilDermMMilk	8.10
85	ALL	HYATT	595986.5	4131293	8.01E-06	70YrCancerDerived_InhSoilDermMMilk	8.01
88	ALL	HYATT	596001.5	4131293	8.01E-06	70YrCancerDerived_InhSoilDermMMilk	8.01
90	ALL	HYATT	596011.5	4131293	7.93E-06	70YrCancerDerived_InhSoilDermMMilk	7.93
87	ALL	HYATT	595996.5	4131293	7.91E-06	70YrCancerDerived_InhSoilDermMMilk	7.91
89	ALL	HYATT	596006.5	4131293	7.87E-06	70YrCancerDerived_InhSoilDermMMilk	7.87
62	ALL	HYATT	595946.5	4131288	7.67E-06	70YrCancerDerived_InhSoilDermMMilk	7.67
61	ALL	HYATT	595941.5	4131288	7.66E-06	70YrCancerDerived_InhSoilDermMMilk	7.66
63	ALL	HYATT	595951.5	4131288	7.64E-06	70YrCancerDerived_InhSoilDermMMilk	7.64
64	ALL	HYATT	595956.5	4131288	7.61E-06	70YrCancerDerived_InhSoilDermMMilk	7.61
65	ALL	HYATT	595961.5	4131288	7.59E-06	70YrCancerDerived_InhSoilDermMMilk	7.59
66	ALL	HYATT	595966.5	4131288	7.56E-06	70YrCancerDerived_InhSoilDermMMilk	7.56
67	ALL	HYATT	595971.5	4131288	7.53E-06	70YrCancerDerived_InhSoilDermMMilk	7.53
68	ALL	HYATT	595976.5	4131288	7.49E-06	70YrCancerDerived_InhSoilDermMMilk	7.49
69	ALL	HYATT	595981.5	4131288	7.46E-06	70YrCancerDerived_InhSoilDermMMilk	7.46
80	ALL	HYATT	595961.5	4131293	7.45E-06	70YrCancerDerived_InhSoilDermMMilk	7.45
70	ALL	HYATT	595986.5	4131288	7.42E-06	70YrCancerDerived_InhSoilDermMMilk	7.42
71	ALL	HYATT	595991.5	4131288	7.40E-06	70YrCancerDerived_InhSoilDermMMilk	7.40
77	ALL	HYATT	595946.5	4131293	7.40E-06	70YrCancerDerived_InhSoilDermMMilk	7.40
82	ALL	HYATT	595971.5	4131293	7.39E-06	70YrCancerDerived_InhSoilDermMMilk	7.39
72	ALL	HYATT	595996.5	4131288	7.37E-06	70YrCancerDerived_InhSoilDermMMilk	7.37
84	ALL	HYATT	595981.5	4131293	7.34E-06	70YrCancerDerived_InhSoilDermMMilk	7.34
73	ALL	HYATT	596001.5	4131288	7.33E-06	70YrCancerDerived_InhSoilDermMMilk	7.33
74	ALL	HYATT	596006.5	4131288	7.29E-06	70YrCancerDerived_InhSoilDermMMilk	7.29
75	ALL	HYATT	596011.5	4131288	7.27E-06	70YrCancerDerived_InhSoilDermMMilk	7.27
46	ALL	HYATT	595941.5	4131283	6.56E-06	70YrCancerDerived_InhSoilDermMMilk	6.56
47	ALL	HYATT	595946.5	4131283	6.55E-06	70YrCancerDerived_InhSoilDermMMilk	6.55
48	ALL	HYATT	595951.5	4131283	6.54E-06	70YrCancerDerived_InhSoilDermMMilk	6.54
49	ALL	HYATT	595956.5	4131283	6.52E-06	70YrCancerDerived_InhSoilDermMMilk	6.52
50	ALL	HYATT	595961.5	4131283	6.50E-06	70YrCancerDerived_InhSoilDermMMilk	6.50
51	ALL	HYATT	595966.5	4131283	6.48E-06	70YrCancerDerived_InhSoilDermMMilk	6.48
52	ALL	HYATT	595971.5	4131283	6.45E-06	70YrCancerDerived_InhSoilDermMMilk	6.45
53	ALL	HYATT	595976.5	4131283	6.44E-06	70YrCancerDerived_InhSoilDermMMilk	6.44
54	ALL	HYATT	595981.5	4131283	6.41E-06	70YrCancerDerived_InhSoilDermMMilk	6.41
55	ALL	HYATT	595986.5	4131283	6.39E-06	70YrCancerDerived_InhSoilDermMMilk	6.39
56	ALL	HYATT	595991.5	4131283	6.37E-06	70YrCancerDerived_InhSoilDermMMilk	6.37
57	ALL	HYATT	595996.5	4131283	6.35E-06	70YrCancerDerived_InhSoilDermMMilk	6.35
58	ALL	HYATT	596001.5	4131283	6.33E-06	70YrCancerDerived_InhSoilDermMMilk	6.33
59	ALL	HYATT	596006.5	4131283	6.31E-06	70YrCancerDerived_InhSoilDermMMilk	6.31
60	ALL	HYATT	596011.5	4131283	6.29E-06	70YrCancerDerived_InhSoilDermMMilk	6.29
31	ALL	HYATT	595941.5	4131278	5.74E-06	70YrCancerDerived_InhSoilDermMMilk	5.74
32	ALL	HYATT	595946.5	4131278	5.73E-06	70YrCancerDerived_InhSoilDermMMilk	5.73
33	ALL	HYATT	595951.5	4131278	5.72E-06	70YrCancerDerived_InhSoilDermMMilk	5.72
34	ALL	HYATT	595956.5	4131278	5.71E-06	70YrCancerDerived_InhSoilDermMMilk	5.71
35	ALL	HYATT	595961.5	4131278	5.70E-06	70YrCancerDerived_InhSoilDermMMilk	5.70
36	ALL	HYATT	595966.5	4131278	5.68E-06	70YrCancerDerived_InhSoilDermMMilk	5.68
37	ALL	HYATT	595971.5	4131278	5.67E-06	70YrCancerDerived_InhSoilDermMMilk	5.67
38	ALL	HYATT	595976.5	4131278	5.65E-06	70YrCancerDerived_InhSoilDermMMilk	5.65
39	ALL	HYATT	595981.5	4131278	5.64E-06	70YrCancerDerived_InhSoilDermMMilk	5.64
40	ALL	HYATT	595986.5	4131278	5.62E-06	70YrCancerDerived_InhSoilDermMMilk	5.62
41	ALL	HYATT	595991.5	4131278	5.60E-06	70YrCancerDerived_InhSoilDermMMilk	5.60
42	ALL	HYATT	595996.5	4131278	5.58E-06	70YrCancerDerived_InhSoilDermMMilk	5.58
43	ALL	HYATT	596001.5	4131278	5.56E-06	70YrCancerDerived_InhSoilDermMMilk	5.56
44	ALL	HYATT	596006.5	4131278	5.55E-06	70YrCancerDerived_InhSoilDermMMilk	5.55
45	ALL	HYATT	596011.5	4131278	5.54E-06	70YrCancerDerived_InhSoilDermMMilk	5.54
16	ALL	HYATT	595941.5	4131273	5.11E-06	70YrCancerDerived_InhSoilDermMMilk	5.11
17	ALL	HYATT	595946.5	4131273	5.10E-06	70YrCancerDerived_InhSoilDermMMilk	5.10
18	ALL	HYATT	595951.5	4131273	5.10E-06	70YrCancerDerived_InhSoilDermMMilk	5.10
19	ALL	HYATT	595956.5	4131273	5.08E-06	70YrCancerDerived_InhSoilDermMMilk	5.08
20	ALL	HYATT	595961.5	4131273	5.07E-06	70YrCancerDerived_InhSoilDermMMilk	5.07
21	ALL	HYATT	595966.5	4131273	5.06E-06	70YrCancerDerived_InhSoilDermMMilk	5.06
22	ALL	HYATT	595971.5	4131273	5.05E-06	70YrCancerDerived_InhSoilDermMMilk	5.05
23	ALL	HYATT	595976.5	4131273	5.04E-06	70YrCancerDerived_InhSoilDermMMilk	5.04
24	ALL	HYATT	595981.5	4131273	5.03E-06	70YrCancerDerived_InhSoilDermMMilk	5.03
25	ALL	HYATT	595986.5	4131273	5.02E-06	70YrCancerDerived_InhSoilDermMMilk	5.02
26	ALL	HYATT	595991.5	4131273	5.00E-06	70YrCancerDerived_InhSoilDermMMilk	5.00
27	ALL	HYATT	595996.5	4131273	4.99E-06	70YrCancerDerived_InhSoilDermMMilk	4.99
28	ALL	HYATT	596001.5	4131273	4.97E-06	70YrCancerDerived_InhSoilDermMMilk	4.97
29	ALL	HYATT	596006.5	4131273	4.96E-06	70YrCancerDerived_InhSoilDermMMilk	4.96
30	ALL	HYATT	596011.5	4131273	4.95E-06	70YrCancerDerived_InhSoilDermMMilk	4.95
1	ALL	HYATT	595941.5	4131268	4.61E-06	70YrCancerDerived_InhSoilDermMMilk	4.61
2	ALL	HYATT	595946.5	4131268	4.61E-06	70YrCancerDerived_InhSoilDermMMilk	4.61
3	ALL	HYATT	595951.5	4131268	4.60E-06	70YrCancerDerived_InhSoilDermMMilk	4.60
4	ALL	HYATT	595956.5	4131268	4.59E-06	70YrCancerDerived_InhSoilDermMMilk	4.59
5	ALL	HYATT	595961.5	4131268	4.58E-06	70YrCancerDerived_InhSoilDermMMilk	4.58

6	ALL	HYATT	595966.5	4131268	4.57E-06	70YrCancerDerived_InhSoilDermMMilk	4.57
7	ALL	HYATT	595971.5	4131268	4.57E-06	70YrCancerDerived_InhSoilDermMMilk	4.57
8	ALL	HYATT	595976.5	4131268	4.56E-06	70YrCancerDerived_InhSoilDermMMilk	4.56
9	ALL	HYATT	595981.5	4131268	4.54E-06	70YrCancerDerived_InhSoilDermMMilk	4.54
10	ALL	HYATT	595986.5	4131268	4.53E-06	70YrCancerDerived_InhSoilDermMMilk	4.53
11	ALL	HYATT	595991.5	4131268	4.52E-06	70YrCancerDerived_InhSoilDermMMilk	4.52
12	ALL	HYATT	595996.5	4131268	4.51E-06	70YrCancerDerived_InhSoilDermMMilk	4.51
13	ALL	HYATT	596001.5	4131268	4.50E-06	70YrCancerDerived_InhSoilDermMMilk	4.50
14	ALL	HYATT	596006.5	4131268	4.49E-06	70YrCancerDerived_InhSoilDermMMilk	4.49
15	ALL	HYATT	596011.5	4131268	4.48E-06	70YrCancerDerived_InhSoilDermMMilk	4.48

GLCs loaded successfully  
Pollutants loaded successfully  
Pathway receptors set to 0

\*\*\*\*\*

RISK SCENARIO SETTINGS

Receptor Type: Worker  
Scenario: All  
Calculation Method: Derived

\*\*\*\*\*

EXPOSURE DURATION PARAMETERS FOR CANCER

Start Age: 16  
Total Exposure Duration: 25

Exposure Duration Bin Distribution

3rd Trimester Bin: 0  
0<2 Years Bin: 0  
2<9 Years Bin: 0  
2<16 Years Bin: 0  
16<30 Years Bin: 0  
16 to 70 Years Bin: 25

\*\*\*\*\*

PATHWAYS ENABLED

NOTE: Inhalation is always enabled and used for all assessments. The remaining pathways are only used for cancer and noncancer chronic assessments.

Inhalation: True  
Soil: True  
Dermal: True  
Mother's milk: False  
Water: False  
Fish: False  
Homegrown crops: False  
Beef: False  
Dairy: False  
Pig: False  
Chicken: False  
Egg: False

\*\*\*\*\*

INHALATION

Daily breathing rate: Moderate8HR

\*\*Worker Adjustment Factors\*\*

Worker adjustment factors enabled: NO

**\*\*Fraction at time at home\*\***  
3rd Trimester to 16 years: OFF  
16 years to 70 years: OFF

\*\*\*\*\*  
**SOIL & DERMAL PATHWAY SETTINGS**

Deposition rate (m/s): 0.05  
Soil mixing depth (m): 0.01  
Dermal climate: Mixed

\*\*\*\*\*  
**TIER 2 SETTINGS**  
Tier2 not used.

\*\*\*\*\*

Calculating cancer risk  
Cancer risk breakdown by pollutant and receptor saved to: C:\HARP2 ADMRT\HYATT HOTEL  
PROJECT\hra\Worker\_CancerRisk.csv  
Cancer risk total by receptor saved to: C:\HARP2 ADMRT\HYATT HOTEL  
PROJECT\hra\Worker\_CancerRiskSumByRec.csv  
Calculating chronic risk  
Chronic risk breakdown by pollutant and receptor saved to: C:\HARP2 ADMRT\HYATT HOTEL  
PROJECT\hra\Worker\_NCChronicRisk.csv  
Chronic risk total by receptor saved to: C:\HARP2 ADMRT\HYATT HOTEL  
PROJECT\hra\Worker\_NCChronicRiskSumByRec.csv  
Calculating acute risk  
Acute risk breakdown by pollutant and receptor saved to: C:\HARP2 ADMRT\HYATT HOTEL  
PROJECT\hra\Worker\_NCAcuteRisk.csv  
Acute risk total by receptor saved to: C:\HARP2 ADMRT\HYATT HOTEL  
PROJECT\hra\Worker\_NCAcuteRiskSumByRec.csv  
HRA ran successfully

REC	GRP	NETID	X	Y	RISK_SUM	SCENARIO	Cancer Risk Per Million
79	ALL	HYATT	595956.5	4131293	4.88E-07	25YrCancerDerived_InhSoilDerm	0.49
76	ALL	HYATT	595941.5	4131293	4.85E-07	25YrCancerDerived_InhSoilDerm	0.49
78	ALL	HYATT	595951.5	4131293	4.82E-07	25YrCancerDerived_InhSoilDerm	0.48
81	ALL	HYATT	595966.5	4131293	4.82E-07	25YrCancerDerived_InhSoilDerm	0.48
86	ALL	HYATT	595991.5	4131293	4.78E-07	25YrCancerDerived_InhSoilDerm	0.48
83	ALL	HYATT	595976.5	4131293	4.78E-07	25YrCancerDerived_InhSoilDerm	0.48
85	ALL	HYATT	595986.5	4131293	4.72E-07	25YrCancerDerived_InhSoilDerm	0.47
88	ALL	HYATT	596001.5	4131293	4.72E-07	25YrCancerDerived_InhSoilDerm	0.47
90	ALL	HYATT	596011.5	4131293	4.68E-07	25YrCancerDerived_InhSoilDerm	0.47
87	ALL	HYATT	595996.5	4131293	4.67E-07	25YrCancerDerived_InhSoilDerm	0.47
89	ALL	HYATT	596006.5	4131293	4.64E-07	25YrCancerDerived_InhSoilDerm	0.46
62	ALL	HYATT	595946.5	4131288	4.52E-07	25YrCancerDerived_InhSoilDerm	0.45
61	ALL	HYATT	595941.5	4131288	4.52E-07	25YrCancerDerived_InhSoilDerm	0.45
63	ALL	HYATT	595951.5	4131288	4.51E-07	25YrCancerDerived_InhSoilDerm	0.45
64	ALL	HYATT	595956.5	4131288	4.49E-07	25YrCancerDerived_InhSoilDerm	0.45
65	ALL	HYATT	595961.5	4131288	4.47E-07	25YrCancerDerived_InhSoilDerm	0.45
66	ALL	HYATT	595966.5	4131288	4.46E-07	25YrCancerDerived_InhSoilDerm	0.45
67	ALL	HYATT	595971.5	4131288	4.44E-07	25YrCancerDerived_InhSoilDerm	0.44
68	ALL	HYATT	595976.5	4131288	4.42E-07	25YrCancerDerived_InhSoilDerm	0.44
69	ALL	HYATT	595981.5	4131288	4.40E-07	25YrCancerDerived_InhSoilDerm	0.44
80	ALL	HYATT	595961.5	4131293	4.39E-07	25YrCancerDerived_InhSoilDerm	0.44
70	ALL	HYATT	595986.5	4131288	4.38E-07	25YrCancerDerived_InhSoilDerm	0.44
71	ALL	HYATT	595991.5	4131288	4.36E-07	25YrCancerDerived_InhSoilDerm	0.44
77	ALL	HYATT	595946.5	4131293	4.36E-07	25YrCancerDerived_InhSoilDerm	0.44
82	ALL	HYATT	595971.5	4131293	4.36E-07	25YrCancerDerived_InhSoilDerm	0.44
72	ALL	HYATT	595996.5	4131288	4.34E-07	25YrCancerDerived_InhSoilDerm	0.43
84	ALL	HYATT	595981.5	4131293	4.33E-07	25YrCancerDerived_InhSoilDerm	0.43
73	ALL	HYATT	596001.5	4131288	4.32E-07	25YrCancerDerived_InhSoilDerm	0.43
74	ALL	HYATT	596006.5	4131288	4.30E-07	25YrCancerDerived_InhSoilDerm	0.43
75	ALL	HYATT	596011.5	4131288	4.29E-07	25YrCancerDerived_InhSoilDerm	0.43
46	ALL	HYATT	595941.5	4131283	3.87E-07	25YrCancerDerived_InhSoilDerm	0.39
47	ALL	HYATT	595946.5	4131283	3.86E-07	25YrCancerDerived_InhSoilDerm	0.39
48	ALL	HYATT	595951.5	4131283	3.86E-07	25YrCancerDerived_InhSoilDerm	0.39
49	ALL	HYATT	595956.5	4131283	3.84E-07	25YrCancerDerived_InhSoilDerm	0.38
50	ALL	HYATT	595961.5	4131283	3.83E-07	25YrCancerDerived_InhSoilDerm	0.38
51	ALL	HYATT	595966.5	4131283	3.82E-07	25YrCancerDerived_InhSoilDerm	0.38
52	ALL	HYATT	595971.5	4131283	3.81E-07	25YrCancerDerived_InhSoilDerm	0.38
53	ALL	HYATT	595976.5	4131283	3.80E-07	25YrCancerDerived_InhSoilDerm	0.38
54	ALL	HYATT	595981.5	4131283	3.78E-07	25YrCancerDerived_InhSoilDerm	0.38
55	ALL	HYATT	595986.5	4131283	3.77E-07	25YrCancerDerived_InhSoilDerm	0.38
56	ALL	HYATT	595991.5	4131283	3.76E-07	25YrCancerDerived_InhSoilDerm	0.38
57	ALL	HYATT	595996.5	4131283	3.74E-07	25YrCancerDerived_InhSoilDerm	0.37
58	ALL	HYATT	596001.5	4131283	3.73E-07	25YrCancerDerived_InhSoilDerm	0.37
59	ALL	HYATT	596006.5	4131283	3.72E-07	25YrCancerDerived_InhSoilDerm	0.37
60	ALL	HYATT	596011.5	4131283	3.71E-07	25YrCancerDerived_InhSoilDerm	0.37
31	ALL	HYATT	595941.5	4131278	3.39E-07	25YrCancerDerived_InhSoilDerm	0.34
32	ALL	HYATT	595946.5	4131278	3.38E-07	25YrCancerDerived_InhSoilDerm	0.34
33	ALL	HYATT	595951.5	4131278	3.37E-07	25YrCancerDerived_InhSoilDerm	0.34
34	ALL	HYATT	595956.5	4131278	3.37E-07	25YrCancerDerived_InhSoilDerm	0.34
35	ALL	HYATT	595961.5	4131278	3.36E-07	25YrCancerDerived_InhSoilDerm	0.34
36	ALL	HYATT	595966.5	4131278	3.35E-07	25YrCancerDerived_InhSoilDerm	0.33
37	ALL	HYATT	595971.5	4131278	3.34E-07	25YrCancerDerived_InhSoilDerm	0.33
38	ALL	HYATT	595976.5	4131278	3.33E-07	25YrCancerDerived_InhSoilDerm	0.33
39	ALL	HYATT	595981.5	4131278	3.32E-07	25YrCancerDerived_InhSoilDerm	0.33
40	ALL	HYATT	595986.5	4131278	3.31E-07	25YrCancerDerived_InhSoilDerm	0.33
41	ALL	HYATT	595991.5	4131278	3.30E-07	25YrCancerDerived_InhSoilDerm	0.33
42	ALL	HYATT	595996.5	4131278	3.29E-07	25YrCancerDerived_InhSoilDerm	0.33
43	ALL	HYATT	596001.5	4131278	3.28E-07	25YrCancerDerived_InhSoilDerm	0.33
44	ALL	HYATT	596006.5	4131278	3.27E-07	25YrCancerDerived_InhSoilDerm	0.33
45	ALL	HYATT	596011.5	4131278	3.27E-07	25YrCancerDerived_InhSoilDerm	0.33
16	ALL	HYATT	595941.5	4131273	3.01E-07	25YrCancerDerived_InhSoilDerm	0.30
17	ALL	HYATT	595946.5	4131273	3.01E-07	25YrCancerDerived_InhSoilDerm	0.30
18	ALL	HYATT	595951.5	4131273	3.01E-07	25YrCancerDerived_InhSoilDerm	0.30
19	ALL	HYATT	595956.5	4131273	3.00E-07	25YrCancerDerived_InhSoilDerm	0.30
20	ALL	HYATT	595961.5	4131273	2.99E-07	25YrCancerDerived_InhSoilDerm	0.30
21	ALL	HYATT	595966.5	4131273	2.98E-07	25YrCancerDerived_InhSoilDerm	0.30
22	ALL	HYATT	595971.5	4131273	2.98E-07	25YrCancerDerived_InhSoilDerm	0.30
23	ALL	HYATT	595976.5	4131273	2.97E-07	25YrCancerDerived_InhSoilDerm	0.30
24	ALL	HYATT	595981.5	4131273	2.96E-07	25YrCancerDerived_InhSoilDerm	0.30
25	ALL	HYATT	595986.5	4131273	2.96E-07	25YrCancerDerived_InhSoilDerm	0.30
26	ALL	HYATT	595991.5	4131273	2.95E-07	25YrCancerDerived_InhSoilDerm	0.29
27	ALL	HYATT	595996.5	4131273	2.94E-07	25YrCancerDerived_InhSoilDerm	0.29
28	ALL	HYATT	596001.5	4131273	2.93E-07	25YrCancerDerived_InhSoilDerm	0.29
29	ALL	HYATT	596006.5	4131273	2.93E-07	25YrCancerDerived_InhSoilDerm	0.29
30	ALL	HYATT	596011.5	4131273	2.92E-07	25YrCancerDerived_InhSoilDerm	0.29
1	ALL	HYATT	595941.5	4131268	2.72E-07	25YrCancerDerived_InhSoilDerm	0.27
2	ALL	HYATT	595946.5	4131268	2.72E-07	25YrCancerDerived_InhSoilDerm	0.27
3	ALL	HYATT	595951.5	4131268	2.71E-07	25YrCancerDerived_InhSoilDerm	0.27
4	ALL	HYATT	595956.5	4131268	2.70E-07	25YrCancerDerived_InhSoilDerm	0.27
5	ALL	HYATT	595961.5	4131268	2.70E-07	25YrCancerDerived_InhSoilDerm	0.27
6	ALL	HYATT	595966.5	4131268	2.69E-07	25YrCancerDerived_InhSoilDerm	0.27
7	ALL	HYATT	595971.5	4131268	2.69E-07	25YrCancerDerived_InhSoilDerm	0.27
8	ALL	HYATT	595976.5	4131268	2.69E-07	25YrCancerDerived_InhSoilDerm	0.27
9	ALL	HYATT	595981.5	4131268	2.68E-07	25YrCancerDerived_InhSoilDerm	0.27

10	ALL	HYATT	595986.5	4131268	2.67E-07	25YrCancerDerived_InhSoilDerm	0.27
11	ALL	HYATT	595991.5	4131268	2.67E-07	25YrCancerDerived_InhSoilDerm	0.27
12	ALL	HYATT	595996.5	4131268	2.66E-07	25YrCancerDerived_InhSoilDerm	0.27
13	ALL	HYATT	596001.5	4131268	2.66E-07	25YrCancerDerived_InhSoilDerm	0.27
14	ALL	HYATT	596006.5	4131268	2.65E-07	25YrCancerDerived_InhSoilDerm	0.26
15	ALL	HYATT	596011.5	4131268	2.64E-07	25YrCancerDerived_InhSoilDerm	0.26

GLCs loaded successfully  
Pollutants loaded successfully  
Pathway receptors set to 0

\*\*\*\*\*

RISK SCENARIO SETTINGS

Receptor Type: Resident  
Scenario: NCAcute  
Calculation Method: Derived

\*\*\*\*\*

EXPOSURE DURATION PARAMETERS FOR CANCER

\*\*Exposure duration are only adjusted for cancer assessments\*\*

\*\*\*\*\*

PATHWAYS ENABLED

NOTE: Inhalation is always enabled and used for all assessments. The remaining pathways are only used for cancer and noncancer chronic assessments.

Inhalation: True  
Soil: False  
Dermal: False  
Mother's milk: False  
Water: False  
Fish: False  
Homegrown crops: False  
Beef: False  
Dairy: False  
Pig: False  
Chicken: False  
Egg: False

\*\*\*\*\*

INHALATION

Daily breathing rate: LongTerm24HR

\*\*Worker Adjustment Factors\*\*

Worker adjustment factors enabled: NO

\*\*Fraction at time at home\*\*

NOTE: Exposure duration (i.e., start age, end age, ED, & FAH) are only adjusted for cancer assessments.

\*\*\*\*\*

TIER 2 SETTINGS

Tier2 not used.

\*\*\*\*\*

Calculating acute risk

Acute risk breakdown by pollutant and receptor saved to: C:\HARP2 ADMRT\HYATT HOTEL PROJECT\hra\Acute  
Risk\_NCAcuteRisk.csv

Acute risk total by receptor saved to: C:\HARP2 ADMRT\HYATT HOTEL PROJECT\hra\Acute  
Risk\_NCAcuteRiskSumByRec.csv

HRA ran successfully

REC	GRP	NETID	X	Y	SCENARIO	MAXHI
79	ALL	HYATT	595956.5	4131293	NonCancerAcute	0.014
81	ALL	HYATT	595966.5	4131293	NonCancerAcute	0.013
76	ALL	HYATT	595941.5	4131293	NonCancerAcute	0.013
78	ALL	HYATT	595951.5	4131293	NonCancerAcute	0.013
83	ALL	HYATT	595976.5	4131293	NonCancerAcute	0.013
86	ALL	HYATT	595991.5	4131293	NonCancerAcute	0.013
85	ALL	HYATT	595986.5	4131293	NonCancerAcute	0.013
88	ALL	HYATT	596001.5	4131293	NonCancerAcute	0.013
90	ALL	HYATT	596011.5	4131293	NonCancerAcute	0.013
87	ALL	HYATT	595996.5	4131293	NonCancerAcute	0.013
89	ALL	HYATT	596006.5	4131293	NonCancerAcute	0.013
80	ALL	HYATT	595961.5	4131293	NonCancerAcute	0.013
82	ALL	HYATT	595971.5	4131293	NonCancerAcute	0.013
84	ALL	HYATT	595981.5	4131293	NonCancerAcute	0.013
77	ALL	HYATT	595946.5	4131293	NonCancerAcute	0.013
61	ALL	HYATT	595941.5	4131288	NonCancerAcute	0.012
62	ALL	HYATT	595946.5	4131288	NonCancerAcute	0.012
63	ALL	HYATT	595951.5	4131288	NonCancerAcute	0.012
64	ALL	HYATT	595956.5	4131288	NonCancerAcute	0.012
65	ALL	HYATT	595961.5	4131288	NonCancerAcute	0.012
66	ALL	HYATT	595966.5	4131288	NonCancerAcute	0.012
67	ALL	HYATT	595971.5	4131288	NonCancerAcute	0.012
68	ALL	HYATT	595976.5	4131288	NonCancerAcute	0.012
69	ALL	HYATT	595981.5	4131288	NonCancerAcute	0.012
70	ALL	HYATT	595986.5	4131288	NonCancerAcute	0.012
71	ALL	HYATT	595991.5	4131288	NonCancerAcute	0.012
72	ALL	HYATT	595996.5	4131288	NonCancerAcute	0.012
73	ALL	HYATT	596001.5	4131288	NonCancerAcute	0.012
74	ALL	HYATT	596006.5	4131288	NonCancerAcute	0.012
75	ALL	HYATT	596011.5	4131288	NonCancerAcute	0.012
46	ALL	HYATT	595941.5	4131283	NonCancerAcute	0.010
47	ALL	HYATT	595946.5	4131283	NonCancerAcute	0.010
48	ALL	HYATT	595951.5	4131283	NonCancerAcute	0.010
49	ALL	HYATT	595956.5	4131283	NonCancerAcute	0.010
50	ALL	HYATT	595961.5	4131283	NonCancerAcute	0.010
51	ALL	HYATT	595966.5	4131283	NonCancerAcute	0.010
52	ALL	HYATT	595971.5	4131283	NonCancerAcute	0.010
53	ALL	HYATT	595976.5	4131283	NonCancerAcute	0.010
54	ALL	HYATT	595981.5	4131283	NonCancerAcute	0.010
55	ALL	HYATT	595986.5	4131283	NonCancerAcute	0.010
56	ALL	HYATT	595991.5	4131283	NonCancerAcute	0.010
57	ALL	HYATT	595996.5	4131283	NonCancerAcute	0.010
58	ALL	HYATT	596001.5	4131283	NonCancerAcute	0.010
59	ALL	HYATT	596006.5	4131283	NonCancerAcute	0.010
60	ALL	HYATT	596011.5	4131283	NonCancerAcute	0.010
31	ALL	HYATT	595941.5	4131278	NonCancerAcute	0.009
32	ALL	HYATT	595946.5	4131278	NonCancerAcute	0.009
33	ALL	HYATT	595951.5	4131278	NonCancerAcute	0.009
34	ALL	HYATT	595956.5	4131278	NonCancerAcute	0.009
35	ALL	HYATT	595961.5	4131278	NonCancerAcute	0.009
36	ALL	HYATT	595966.5	4131278	NonCancerAcute	0.009
37	ALL	HYATT	595971.5	4131278	NonCancerAcute	0.009
38	ALL	HYATT	595976.5	4131278	NonCancerAcute	0.009
39	ALL	HYATT	595981.5	4131278	NonCancerAcute	0.009
40	ALL	HYATT	595986.5	4131278	NonCancerAcute	0.009
41	ALL	HYATT	595991.5	4131278	NonCancerAcute	0.009
42	ALL	HYATT	595996.5	4131278	NonCancerAcute	0.009
43	ALL	HYATT	596001.5	4131278	NonCancerAcute	0.009
44	ALL	HYATT	596006.5	4131278	NonCancerAcute	0.009
45	ALL	HYATT	596011.5	4131278	NonCancerAcute	0.009
16	ALL	HYATT	595941.5	4131273	NonCancerAcute	0.008
17	ALL	HYATT	595946.5	4131273	NonCancerAcute	0.008
18	ALL	HYATT	595951.5	4131273	NonCancerAcute	0.008
19	ALL	HYATT	595956.5	4131273	NonCancerAcute	0.008
20	ALL	HYATT	595961.5	4131273	NonCancerAcute	0.008
21	ALL	HYATT	595966.5	4131273	NonCancerAcute	0.008
22	ALL	HYATT	595971.5	4131273	NonCancerAcute	0.008
23	ALL	HYATT	595976.5	4131273	NonCancerAcute	0.008
24	ALL	HYATT	595981.5	4131273	NonCancerAcute	0.008
25	ALL	HYATT	595986.5	4131273	NonCancerAcute	0.008
26	ALL	HYATT	595991.5	4131273	NonCancerAcute	0.008
27	ALL	HYATT	595996.5	4131273	NonCancerAcute	0.008
28	ALL	HYATT	596001.5	4131273	NonCancerAcute	0.008
29	ALL	HYATT	596006.5	4131273	NonCancerAcute	0.008
30	ALL	HYATT	596011.5	4131273	NonCancerAcute	0.008
1	ALL	HYATT	595941.5	4131268	NonCancerAcute	0.008
2	ALL	HYATT	595946.5	4131268	NonCancerAcute	0.008
3	ALL	HYATT	595951.5	4131268	NonCancerAcute	0.008
4	ALL	HYATT	595956.5	4131268	NonCancerAcute	0.008
5	ALL	HYATT	595961.5	4131268	NonCancerAcute	0.008
6	ALL	HYATT	595966.5	4131268	NonCancerAcute	0.008
7	ALL	HYATT	595971.5	4131268	NonCancerAcute	0.008
8	ALL	HYATT	595976.5	4131268	NonCancerAcute	0.008
9	ALL	HYATT	595981.5	4131268	NonCancerAcute	0.008

10	ALL	HYATT	595986.5	4131268	NonCancerAcute	0.008
11	ALL	HYATT	595991.5	4131268	NonCancerAcute	0.008
12	ALL	HYATT	595996.5	4131268	NonCancerAcute	0.008
13	ALL	HYATT	596001.5	4131268	NonCancerAcute	0.008
14	ALL	HYATT	596006.5	4131268	NonCancerAcute	0.007
15	ALL	HYATT	596011.5	4131268	NonCancerAcute	0.007

GLCs loaded successfully  
Pollutants loaded successfully  
Pathway receptors set to 0

\*\*\*\*\*

RISK SCENARIO SETTINGS

Receptor Type: Resident  
Scenario: NCChronic  
Calculation Method: Derived

\*\*\*\*\*

EXPOSURE DURATION PARAMETERS FOR CANCER

\*\*Exposure duration are only adjusted for cancer assessments\*\*

\*\*\*\*\*

PATHWAYS ENABLED

NOTE: Inhalation is always enabled and used for all assessments. The remaining pathways are only used for cancer and noncancer chronic assessments.

Inhalation: True  
Soil: True  
Dermal: True  
Mother's milk: True  
Water: False  
Fish: False  
Homegrown crops: False  
Beef: False  
Dairy: False  
Pig: False  
Chicken: False  
Egg: False

\*\*\*\*\*

INHALATION

Daily breathing rate: LongTerm24HR

\*\*Worker Adjustment Factors\*\*

Worker adjustment factors enabled: NO

\*\*Fraction at time at home\*\*

NOTE: Exposure duration (i.e., start age, end age, ED, & FAH) are only adjusted for cancer assessments.

\*\*\*\*\*

SOIL & DERMAL PATHWAY SETTINGS

Deposition rate (m/s): 0.05  
Soil mixing depth (m): 0.01  
Dermal climate: Mixed

\*\*\*\*\*

TIER 2 SETTINGS

Tier2 not used.

\*\*\*\*\*

Calculating chronic risk

Chronic risk breakdown by pollutant and receptor saved to: C:\HARP2 ADMRT\HYATT HOTEL PROJECT\hra\Chronic Risk\_NCChronicRisk.csv

Chronic risk total by receptor saved to: C:\HARP2 ADMRT\HYATT HOTEL PROJECT\hra\Chronic Risk\_NCChronicRiskSumByRec.csv

HRA ran successfully



14 ALL	HYATT	596006.5	4131268	NonCancerChronicDerived_InhSoilDermMMilk	0.013
15 ALL	HYATT	596011.5	4131268	NonCancerChronicDerived_InhSoilDermMMilk	0.013