Appendix A

AIR QUALITY, GREENHOUSE GAS, AND ENERGY IMPACT ASSESSMENT

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Tully 76 Service Project

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City of San José

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Acronyms / Abbreviations

µg/m^3	Micrograms Per Cubic Meter
AB	Assembly Bill
ABAG	Association of Bay Area Governments
ACBMs	Asbestos-Containing Building Materials
ACC	Advanced Clean Cars
ACT	Advanced Clean Trucks
APCO	Air Pollution Control Officer
ATCMs	Airborne Toxic Control Measures
BAAQMD	Bay Area Air Quality Management District
BMPs	Best Management Practices
CAAQS	California Ambient Air Quality Standards
CAFE	Corporate Average Fuel Economy
CalEEMod	California Emissions Estimator Model
CALGreen	California Green Building Code
CARB	California Air Resources Board
CCAA	California Clean Air Act
CCR	California Code of Regulations
CEC	California Energy Commission
CEQA	California Environmental Quality Act
CH_4	Methane
CO	Carbon Monoxide
CO_2	Carbon Dioxide
CO_2e	Carbon dioxide equivalent
CPUC	California Public Utilities Commission
CY	cubic yards
DPM	Diesel Particulate Matter
EISA	Energy Independence and Security Act
EOEV	Executive Order
FCAA	electric vehicle
GDF	Federal Clean Air Act
GHG	Gasoline dispensing facility
GHGRS	Greenhouse Gases
GWh	Greenhouse Gas Reduction Strategy
GWP	Gigawatt hours
H_2S	Global Warming Potential
HAP	Hydrogen Sulfide
HARP	Hazardous Air Pollutants
HFCs	Hotspot Analysis Reporting Program
hp	Hydrofluorocarbons
HRA	horsepower
kBTU	Health Risk Assessment
LEV	1,000 British thermal units
LCSF	Low emissions vehicle
$MMTCO_2e$	Low Carbon Fuel Standards
MTC	Million Metric Tons of Carbon Dioxide Equivalents
$MTCO_2e$	Metropolitan Transportation Commission
N_2O	Metric Tons of Carbon Dioxide Equivalents
NAAQS	Nitrous Oxide
NESHAP	National Ambient Air Quality Standards
NF_3	National Emissions Standards for Hazardous Air Pollutants
NHTSA	

NO_2	Nitrogen Trifluoride
NOx	National Highway Traffic Safety Administration
NOA	Nitrogen Dioxide
O_3	Oxides of Nitrogen
OEHHA	naturally occurring asbestos
Pb	Ozone
PFCs	Office of Environmental Health Hazard Assessment
PG&E	Lead
PM	Perfluorocarbons
$PM_{2.5}$	Pacific Gas and Electric Company
PM_{10}	Particulate Matter
ppb	Fine particulate matter; particulate matter 2.5 microns or smaller
ppm	Particulate matter; particulate matter 10 microns or smaller
Project	parts per billion
RAST	parts per million
RFS	Tully 76 Service Project
ROG	Risk Assessment Standalone Tool
RPS	Renewable Fuel Standards
RTP/SCS	Reactive Organic Gases
SB	Renewable Portfolio Standards
SCAQMD	Regional Transportation Plan/Sustainable Communities Strategy
SF_6	Senate Bill
SFBAAB	South Coast Air Quality Management District
SIP	Sulfur Hexafluoride
SJCE	San Francisco Bay Area Air Basin
SJVAPCD	State Implementation Plan
SO_2	San Jose Clean Energy
TAC	San Joaquin Valley Air Pollution Control District
USDOT	Sulfur Dioxide
USEPA	Toxic Air Contaminants
UST	United States Department of Transportation
UTM	United States Environmental Protection Agency
ZEV	underground storage tank
	Universal Transverse Mercator
	Zero emission vehicle

1 Introduction

1.1 Purpose of Analysis

The purpose of this Air Quality, Greenhouse Gas, and Energy Impact Assessment is to provide a discussion of air pollutants, health risks posed to nearby sensitive receptors, greenhouse gas (GHG) emissions, and energy resource consumption from construction and operation of the Tully 76 Service Project (Project). This evaluation relies on guidance and thresholds established by the United States Environmental Protection Agency (USEPA), the California Air Resources Board (CARB), and the Bay Area Air Quality Management District (BAAQMD).

1.2 Project Description

The 0.66-acre Project site is located at 1152 Tully Road in San José, California, and consists of a single parcel identified as Assessor Parcel Number 499-019-035. The Project site is developed and currently operates as a 76 gas station. The gas station consists of two fuel canopies totaling approximately 1,864 square feet and a convenience store with service bay totaling approximately 1,631 square feet. The fuel canopies provide six dispensers that are served by two 10,000-gallon underground storage tanks (USTs), one 500-gallon oil UST, and associated underground piping. The six fuel dispensers provide 12 fueling positions, allowing simultaneous fueling of sport utility vehicles, full sized pick-up trucks, and passenger vehicles at the site. The existing site has a throughput of approximately 432,000 gallons per year.

The Project would involve demolition of the existing structures and redevelopment of the site with a new 76 gas station that consists of a 3,007 square-foot fuel canopy and a 2,626 square-foot convenience store with a 1,224 square-foot service bay, a 1,176 square-foot drive-through car wash tunnel, and a 221 square-foot car wash equipment room. The Project would remove the existing on-site fuel system consisting of two 10,000-gallon USTs, one 500-gallon oil UST, and associated underground piping. The fuel canopy would be served by a new fuel system with two 20,000-gallon USTs and associated underground piping. Additionally, the Project would include new surface parking; site lighting; landscaping; self-service air, water, and vacuum equipment; on- and off-site utility connections; driveway improvements; and a new bus shelter and concrete pad on Tully Road. The Project would sell approximately 900,000 gallons of gasoline per year, resulting in a net increase throughput of 468,000 gallons per year.

Project construction is anticipated to occur over an 18-month period starting in June 2025 and ending in December 2026. It is anticipated up to 15 workers would be required during peak construction activities. The project construction activities would comply with the requirements of the San José Municipal Code and would occur Monday through Friday, between 7:00 a.m. and 7:00 p.m.

Construction activities would include demolition, site preparation, excavation, building construction, utility connections, paving, and landscaping. The Project would disturb the entire 0.66-acre site and include approximately 3,920 square feet (0.1-acre) for off-site improvements (e.g., bus shelter and concrete pad, new driveways, sidewalk, curb and gutter, and street tree wells).

During demolition, the existing fuel canopies, convenience store, and USTs would be removed, resulting in a total of 770 tons of demolition material that would be hauled off-site. Additionally, it is estimated the total amount of earth movement for the Project would require approximately 650 cubic yards (CY) of cut and approximately 115 CY of fill. The maximum depth of excavation is anticipated to be approximately 19 feet below ground surface to remove and install the USTs.

2 Air Quality

2.1 Environmental Setting

The Project site lies within the San Francisco Bay Area Air Basin (SFBAAB) which is under the jurisdiction of the BAAQMD. The SFBAAB encompasses all of Alameda, Contra Costa, Marin, Napa, San Francisco, San Mateo, and Santa Clara counties, the southern portion of Sonoma, and the southwestern portion of Solano County. Air quality in this area is determined by natural factors including topography, meteorology, and climate, in addition to the presence of existing air pollution sources and ambient conditions.

2.1.1 CLIMATE AND METEROLOGY

Climate and meteorology are important considerations for air quality. Local dispersion and regional transport of air pollutants directly relate to prevailing meteorological factors. Wind directions and speeds, and vertical temperature structure (inversions) are the primary determinants of transport and dispersion effects.

The SFBAAB is characterized by complex terrain, consisting of coastal mountain ranges, inland valleys, and bays, which distort normal wind flow patterns. The Coast Range splits resulting in a western coast gap (Golden Gate) and an eastern coast gap (Carquinez Strait), which allows air to flow in and out of the SFBAAB and the Central Valley.

The climate is dominated by the strength and location of a semi-permanent, subtropical high-pressure cell. During the summer, the Pacific high-pressure cell is centered over the northeastern Pacific Ocean resulting in stable meteorological conditions and a steady northwesterly wind flow. This high-pressure cell keeps storms from affecting the California coast. Hence, the SFBAAB experiences little precipitation in the summer months. Winds tend to blow on shore out of the north/northwest. Upwelling of cold ocean water from below to the surface because of the northwesterly flow produces a band of cold water off the California coast. The cool and moisture-laden air approaching the coast from the Pacific Ocean is further cooled by the presence of the cold water band resulting in condensation and the presence of fog and stratus clouds along the Northern California coast.

In the winter, the Pacific high-pressure cell weakens and shifts southward resulting in wind flow offshore, the absence of upwelling, and the occurrence of storms. Weak inversions coupled with moderate winds result in a low air pollution potential.

2.1.2 CRITERIA AIR POLLUTANTS

Criteria air pollutants include ozone (O_3), carbon monoxide (CO), nitrogen dioxide (NO_2), sulfur dioxide (SO_2), particulate matter (PM) measured both in units of smaller than 2.5 microns in diameter ($PM_{2.5}$) and in units smaller than 10 microns in diameter (PM_{10}), and lead (Pb).

Ozone. Most ground-level O_3 is formed as a result of complex photochemical reactions in the atmosphere between reactive organic gases (ROG), nitrogen oxides (NOx), and oxygen. ROG and NOx are considered precursors to the formation of O_3, a highly reactive gas that can damage lung tissue and affect respiratory function. O_3 can damage the respiratory tract, causing inflammation and irritation, and it can

induce symptoms, such as coughing, chest tightness, shortness of breath, and worsening of asthmatic symptoms. O_3 in sufficient doses increases the permeability of lung cells, rendering them more susceptible to toxins and microorganisms. Exposure to high concentrations of O_3 (above the current ambient air quality standard) leads to lung inflammation, lung tissue damage, and a reduction in the amount of air inhaled into the lungs. Health effects include potential increased susceptibility to respiratory infections and reduced ability to exercise. Health effects are more severe in people with asthma and other respiratory ailments. People who work or play outdoors are at a greater risk for harmful health effects from O_3. Children and adolescents are also at greater risk because they are more likely than adults to spend time engaged in vigorous activities. While O_3 in the lower atmosphere is considered a damaging air pollutant, O_3 in the upper atmosphere is beneficial, as it protects Earth from harmful ultraviolet radiation. However, atmospheric processes preclude ground-level O_3 from reaching the upper atmosphere (USEPA 2024a).

Carbon Monoxide. CO is a colorless, odorless, poisonous gas produced by the incomplete combustion of fossil fuels. Elevated levels of CO can result in harmful health effects, especially for the young and elderly, and can also contribute to global climate change (USEPA 2024a). When inhaled, CO enters the bloodstream and binds more readily to hemoglobin, the oxygen-carrying protein in blood, than oxygen, thereby reducing the oxygen-carrying capacity of blood and reducing oxygen delivery to organs and tissues. The health threat from CO is most serious for those who suffer from cardiovascular disease. Healthy individuals are also affected, but only at higher levels of exposure. Exposure to CO can cause chest pain, headaches, and reduced mental alertness. At high concentrations, CO can cause heart difficulties in people with chronic diseases and can impair mental abilities. Exposure to elevated CO levels is associated with visual impairment, reduced work capacity, reduced manual dexterity, poor learning ability, difficulty performing complex tasks, and, with prolonged enclosed exposure, death.

Nitrogen Dioxide. NO_2 is a brownish, highly reactive gas primarily produced as a result of the burning of fossil fuels. NO_2 can also lead to the formation of O_3 in the lower atmosphere. NO_2 can cause respiratory ailments, especially in the young and elderly, and can lead to degradations in the health of aquatic and terrestrial ecosystems (USEPA 2024a). Direct inhalation of NO_2 can cause a wide range of health effects, including irritation of the lungs, lung damage, and lowered resistance to respiratory infections, such as influenza. Short-term exposures (e.g., less than 3 hours) to low levels of NO_2 may lead to changes in airway responsiveness and lung function in individuals with preexisting respiratory illnesses. These exposures may also increase respiratory illnesses in children. Long-term exposures to NO_2 may lead to increased susceptibility to respiratory infection and may cause irreversible lung damage. Other health effects associated with NO_2 include an increase in the incidence of chronic bronchitis and lung irritation.

Sulfur Dioxide. SO_2 is primarily emitted from the combustion of coal and oil by steel mills, pulp and paper mills, and non-ferrous smelters. High concentrations of SO_2 can aggravate existing respiratory and cardiovascular diseases in asthmatics and others who suffer from emphysema or bronchitis. High concentrations of SO_2 can result in temporary breathing impairment for asthmatic children and adults who are active outdoors. Health effects from exposure to emissions of SO_2 include aggravation of lung diseases, especially bronchitis, and constricting of breathing passages, especially in asthmatics and people involved in moderate to heavy exercise. Short-term exposures of individuals to elevated SO_2 levels during moderate activity may result in health effects, including breathing difficulties that can be accompanied by symptoms, such as wheezing, chest tightness, or shortness of breath. Other health effects that have been associated with longer-term exposures to high concentrations of SO_2, in



conjunction with high levels of particulate matter, include aggravation of existing cardiovascular disease, respiratory illness, and alterations in the lungs' defenses. SO_2 also contributes to acid rain, which in turn, can lead to the acidification of lakes and streams (USEPA 2024a).

Particulate Matter. Airborne PM is not a single pollutant, but rather is a mixture of many chemical species. PM is a complex mixture of solids and aerosols composed of small droplets of liquid, dry solid fragments, and solid cores with liquid coatings. Particles vary widely in size, shape, and chemical composition; and they may contain inorganic ions, metallic compounds, elemental carbon, organic compounds, and compounds from Earth's crust. Particles are defined by their diameter for air quality regulatory purposes. Those with a diameter of 10 microns or less (PM_{10}) are inhalable into the lungs and can induce adverse health effects. Fine particulate matter is defined as particles that are 2.5 microns or less in diameter ($PM_{2.5}$) and is a portion of PM_{10}. Emissions from combustion of gasoline, oil, diesel fuel, or wood produce much of the $PM_{2.5}$ pollution found in outdoor air and a significant proportion of PM_{10}. PM_{10} also includes dust from construction sites, landfills and agriculture, wildfires and brush or waste burning, industrial sources, wind-blown dust from open lands, pollen, and fragments of bacteria.

PM may be either directly emitted from sources (primarily particles) or formed in the atmosphere through chemical reactions of gases (secondary particles) such as SO_2, NOx, and certain organic compounds (USEPA 2024a).

PM_{10} and $PM_{2.5}$ particles are small enough—about one-seventh the thickness of a human hair or smaller—to be inhaled and lodged in the deepest parts of the lung, where they evade the respiratory system's natural defenses and can be trapped in the nose, throat, and upper respiratory tract. Health effects from exposure to PM_{10} and $PM_{2.5}$ occur when the body reacts to these foreign particles. Acute and chronic health effects associated with high particulate levels include the aggravation of chronic respiratory diseases; heart and lung disease; and coughing, bronchitis, and respiratory illnesses in children. Recent mortality studies have shown a statistically significant direct association between mortality and daily concentrations of PM in the air. PM_{10} and $PM_{2.5}$ can aggravate respiratory disease and cause lung damage, cancer, and premature death. Sensitive populations, including children, the elderly, exercising adults, and those suffering from chronic lung disease, such as asthma or bronchitis, are especially vulnerable to the effects of PM. Of greatest concern are recent studies that link PM exposure to the premature death of people who already have heart and lung disease, especially the elderly. Acidic PM can also damage humanmade materials and is a major cause of reduced visibility in many parts of the United States. Non-health-related effects include reduced visibility and soiling of buildings.

Lead. Sources of Pb include pipes, fuel, and paint, although the use of Pb in these materials has declined dramatically over the years. Historically, the main source of Pb was automobile emissions. Pb can be inhaled directly or ingested by consuming Pb-contaminated food, water, or dust. Fetuses and children are most susceptible to Pb poisoning, which can result in heart disease and nervous system damage. Through regulations, the USEPA has gradually reduced the Pb content of gasoline. This program has essentially eliminated violations of the Pb standard in urban areas except those areas with Pb point sources. Exposure to Pb occurs mainly through inhalation of air and ingestion of Pb in food, water, soil, or dust. It accumulates in the blood, bones, and soft tissues and can adversely affect the kidneys, liver, nervous system, and other organs. Excessive exposure to Pb may cause neurological impairments, such as seizures, mental retardation, and behavioral disorders. Even at low doses, Pb exposure is associated with damage to the nervous systems of fetuses and young children, resulting in learning deficits and lowered IQ. Recent studies also show that Pb may be a factor in high blood pressure and subsequent



heart disease. Pb can also be deposited on the leaves of plants, presenting a hazard to grazing animals and humans through ingestion (USEPA 2024b).

2.1.3 AMBIENT AIR QUALITY STANDARDS AND ATTAINMENT STATUS

The USEPA and CARB designate air basins where ambient air quality standards are exceeded as "non-attainment" areas. If standards are met, the area is designated as an "attainment" area. If there is inadequate or inconclusive data to make a definitive attainment designation, they are considered "unclassified." National non-attainment areas are further designated as marginal, moderate, serious, severe, or extreme as a function of deviation from standards. Attainment status is based on the National Ambient Air Quality Standards (NAAQS) and the California Ambient Air Quality Standards (CAAQS). Each standard has a different definition, or "form" of what constitutes attainment, based on specific air quality statistics. For example, the federal 8-hour CO standard is not to be exceeded more than once per year; therefore, an area is in attainment of the CO standard if no more than one 8-hour ambient air monitoring value exceeds the threshold per year. In contrast, the federal annual standard for $PM_{2.5}$ is met if the 3-year average of the annual average $PM_{2.5}$ concentration is less than or equal to the standard.

The Federal Clean Air Act (FCAA) identifies two types of NAAQS. Primary standards provide public health protection, including protecting the health of sensitive populations such as asthmatics, children, and the elderly. Secondary standards provide public welfare protection, including protection against decreased visibility and damage to animals, crops, vegetation, and buildings (USEPA 2024a). The CAAQS are equal to or more stringent than the NAAQS and include pollutants for which national standards do not exist. Table 1 presents the applicable NAAQS and CAAQS. The BAAQMD is designated as nonattainment for federal and state ozone and $PM_{2.5}$ as well as state PM_{10} (BAAQMD 2017). The BAAQMD is in attainment or unclassified for all other NAAQS and CAAQS.

Table 1. California and National Ambient Air Quality Standards

Pollutant	Averaging Time	California Standards[1]	National Standards[2]	
			Primary	Secondary
Ozone (O_3)	8-hour	0.070 ppm (137 µg/m^3)	0.070 ppm (137 µg/m^3)	Same as Primary Standards
	1-hour	0.09 ppm (180 µg/m^3)	--	
Carbon monoxide (CO)	8-hour	9.0 ppm (10 mg/m^3)	9 ppm (10 mg/m^3)	--
	1-hour	20 ppm (23 mg/m^3)	35 ppm (40 mg/m^3)	
Nitrogen dioxide (NO_2)	Annual arithmetic mean	0.030 ppm (57 µg/m^3)	0.053 ppm (100 µg/m^3)	Same as Primary Standard
	1-hour	0.18 ppm (339 µg/m^3)	100 ppb (188 µg/m^3)	
Sulfur dioxide (SO_2)	Annual arithmetic mean	--	0.030 ppm (80 µg/m^3)	--
	24-hour	0.04 ppm (105 µg/m^3)	0.14 ppm (80 µg/m^3)	--
	3-hour	--	--	0.5 ppm (1300 µg/m^3)
	1-hour	0.25 ppm (655 µg/m^3)	--	--
Respirable Particulate Matter Smaller than 10	Annual arithmetic mean	20 µg/m^3	--	Same as Primary Standards
	24-hour	50 µg/m^3	150 µg/m^3	

Pollutant	Averaging Time	California Standards[1]	National Standards[2]	
			Primary	Secondary
Microns in Diameter (PM_{10})				
Respirable Particulate Matter Smaller than 2.5 Microns in Diameter ($PM_{2.5}$)[3]	Annual arithmetic mean	12 µg/m^3	9.0 µg/m^3	15 µg/m^3
	24-hour	No separate standard	35 µg/m^3	Same as Primary Standards
Sulfates	24-hour	25 µg/m^3	--	--
Lead (Pb)	30-day average	1.5 µg/m^3	--	--
	Calendar quarter	--	1.5 µg/m^3	Same as Primary Standard
	Rolling 3-month average	--	0.15 µg/m^3	
Hydrogen sulfide (H_2S)	1-hour	0.03 ppm (42 µg/m^3)	--	--
Vinyl chloride (chloroethene)	24-hour	0.01 ppm (26 µg/m^3)	--	--
Visibility reducing particles	8-hour	In 1989, the Air Resources Board converted the general statewide 10-mile visibility standard to instrumental equivalents, which are extinction of 0.23 per kilometer.	--	--

Notes:
1. CO, SO_2 (1- and 24-hour), NO_2, O_3, PM_{10}, and visibility reducing particles standards are not to be exceeded.
2. Not to be exceeded more than once a year except for annual standards.
3. On February 7, 2024, the USEPA issued a pre-publication version of the Final Rule to lower the primary annual NAAQS for $PM_{2.5}$ from 12.0 µg/m^3 to 9.0 µg/m^3 (USEPA 2024g).
-- = no standard established
µg/m^3 = micrograms per cubic meter
mg/m^3 = milligrams per cubic meter
ppm = parts per million
Sources: CARB 2016, USEPA 2024g.

2.1.4 AMBIENT AIR QUALITY

Local air quality can be evaluated by reviewing relevant air pollution concentrations near the Project site. Table 2 summarizes published monitoring data from the San José – Jackson Street Monitoring Station, located at 158B Jackson Street in San José, California, for the years 2020 to 2022 from CARB's Air Quality Data Statistics (CARB 2024a). The San José – Jackson Street Monitoring Station monitors ambient O_3, NO_2, PM_{10}, and $PM_{2.5}$.

Table 2. San José – Jackson Street Monitoring Station Data

Air Pollutant	Averaging Time	Item	2020	2021	2022
Ozone (ppm)	1 Hour	Maximum Measured Concentration	0.106	0.098	0.090
		Number of days over National Standard	0	0	0
		Number of days over State Standard	1	3	0
	8 Hour	Maximum Measured Concentration	0.085	0.084	0.074

Air Pollutant	Averaging Time	Item	2020	2021	2022
		Number of days over National Standard	2	4	1
		Number of days over State Standard	2	4	1
Nitrogen Dioxide (ppb)	1-Hour	Maximum Measured Concentration	51.9	47.8	46.8
		Number of days over National Standard	0	0	0
		Number of days over State Standard	0	0	0
		Annual Average Concentration	9	8	9
PM_{10} (ug/m^3)	24-Hour	Maximum Measured Concentration	134.9	42.8	41.1
		Number of days over National Standard	0	0	0
		Number of days over State Standard	10	0	0
		Annual Average Concentration	24.6	19.6	20.5
$PM_{2.5}$ (ug/m^3)	24-Hour	Maximum Measured Concentration	120.5	38.1	36.2
		Number of days over National Standard	12	1	2
		Annual Average Concentration	11.5	8.8	10.1

Note: ppb = parts per billion; ppm = parts per million; $\mu g/m^3$ = micrograms per liter; * = insufficient data available to determine the value
Source: CARB 2024a.

2.1.5 ODORS

Typically, odors are regarded as an annoyance rather than a health hazard. However, manifestations of a person's reaction to foul odors can range from the psychological (i.e., irritation, anger, or anxiety) to the physiological (i.e., circulatory and respiratory effects, nausea, vomiting, and headache).

The ability to detect odors varies considerably among the population and is subjective. Some individuals can smell very minute quantities of specific substances; others have varying sensitivities to odors; and people may have different reactions to the same odor (e.g., bakery, gasoline). It is important to note that an unfamiliar odor is more easily detected and is more likely to cause complaints than a familiar one. This is because of the phenomenon known as odor fatigue, in which a person can become desensitized to almost any odor and recognition only occurs with an alteration in the intensity.

Quality and intensity are two properties present in any odor. The quality of an odor indicates the nature of the smell experience, e.g., a description of flowery or sweet. Intensity refers to the strength of the odor and depends on the odorant concentration in the air. When an odorous sample is progressively diluted, the odorant concentration decreases, the odor intensity weakens, and it eventually becomes so low that the detection or recognition of the odor is quite difficult. At some point during dilution, the concentration of the odorant drops below a human's detection threshold.

Neither the state nor the federal governments have adopted rules or regulations for the control of odor sources. Potential odors would be subject to BAAQMD Regulation 7, Odorous Substances (BAAQMD 1982).

2.1.6 TOXIC AIR CONTAMINANTS

Toxic air contaminants (TACs) are air pollutants that may cause or contribute to an increase in mortality or serious illness, or which may pose a hazard to human health. TACs are usually present in minute quantities in the ambient air; but due to their high toxicity, they may pose a threat to public health even at very low concentrations. Because there is no threshold level below which adverse health impacts are not expected to occur, TACs differ from criteria pollutants for which acceptable levels of exposure can be determined and for which state and federal governments have set ambient air quality standards. TACs, therefore, are not considered "criteria pollutants" under either the FCAA or the California Clean Air Act (CCAA) and are not subject to NAAQS or CAAQS ambient air quality standards. Instead, USEPA and CARB regulate hazardous air pollutants (HAPs) and TACs, respectively, through statutes and regulations that generally require the use of the maximum or best available control technology to limit emissions. In conjunction with air district rules, these federal and state statutes and regulations establish the regulatory framework for TACs. At the national level, USEPA has established national emission standards for hazardous air pollutants (NESHAP) in accordance with the requirements of the FCAA and subsequent amendments. These are technology-based, source-specific regulations that limit allowable emissions of HAPs.

The following provides a summary of the primary TACs of concern within the State of California and related health effects.

Asbestos

Asbestos is the name given to a number of naturally occurring fibrous silicate minerals with useful properties such as thermal insulation, chemical and thermal stability, and high tensile strength. The three most common types of asbestos are chrysotile, amosite, and crocidolite. Chrysotile, also known as white asbestos, is the most common type of asbestos found in buildings. Chrysotile makes up approximately 90 to 95 percent of all asbestos contained in buildings in the United States. Exposure to asbestos fibers may result in health issues such as lung cancer, mesothelioma (a rare cancer of the thin membranes lining the lungs, chest, and abdominal cavity), and asbestosis (a non-cancerous lung disease that causes scarring of the lungs). Exposure to asbestos can occur during demolition or remodeling of buildings constructed prior to 1977 when it was banned for use in buildings. Exposure to naturally occurring asbestos (NOA) can occur during soil disturbing activities in areas with deposits present (USEPA 2024c).

Diesel Particulate Matter

Diesel particulate matter (DPM) was identified as a TAC by CARB in August 1998. DPM is emitted from both mobile and stationary sources. In California, DPM emissions are generated from mobile and stationary sources. Mobile sources include on-road vehicles (trucks, buses, etc.), off-road vehicles and equipment (locomotives, tractors, cargo handling equipment, construction equipment, etc.), marine vessels (recreational watercraft, commercial harbor craft, and ocean-going vessels), and transport refrigeration units. Stationary sources include stationary engines used in emergency-standby generators, prime generators, and agricultural irrigation pumps, as well as portable equipment such as portable generators and pumps (Office of Environmental Health Hazard Assessment [OEHHA] 2001).

DPM is typically composed of carbon particles ("soot", also called black carbon) and numerous organic compounds, including over 40 known cancer-causing organic substances. Examples of these chemicals



include polycyclic aromatic hydrocarbons, benzene, formaldehyde, acetaldehyde, acrolein, and 1,3-butadiene. Diesel exhaust also contains gaseous pollutants, including ROG and NOx. NOx emissions from diesel engines are important because they can undergo chemical reactions in the atmosphere leading to formation of $PM_{2.5}$ and O_3.

In California, diesel exhaust particles have been identified as a carcinogen accounting for an estimated 70 percent of the total known cancer risks in California. DPM is estimated to increase statewide cancer risk by 520 cancers per million residents exposed over an estimated 70-year lifetime. Non-cancer health effects associated with exposure to DPM include premature death, exacerbated chronic heart and lung disease, including asthma, and decreased lung function in children. Short-term exposure to diesel exhaust can also 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 (CARB 2024b). Individuals most vulnerable to non-cancer health effects of DPM are children, whose lungs are still developing, the elderly, who often have chronic health problems, and people with emphysema, asthma, and chronic heart and lung disease (CARB 2024b). In addition to its health effects, DPM significantly contributes to haze and reduced visibility.

Gasoline Vapor

CARB has identified many TACs in gasoline. Operations at gas stations, also called gasoline dispensing facilities (GDFs), result in emissions of various TACs, including benzene, toluene, ethyl benzene, xylene, and others. According to CARB, of the TACs in gasoline, benzene is the most toxic component of GDF emissions. Exposure to these TACs can lead to increased cancer risk, blood disorders, reproductive or development issues, kidney problems, and issues with the nervous, respiratory, or endocrine systems (CARB 2022c).

Gas station infrastructure, such as the USTs, and vehicles visiting gas stations to refuel are sources of emissions at GDFs. The primary sources of emissions include the following (CARB 2022c):

- **Loading**: Loading emissions occur when a fuel truck delivers fuel to the site, and gasoline vapors are emitted as liquid gasoline enters the UST.
- **Breathing:** Breathing emissions occur due to temperature changes within the UST, when excess pressure results in gasoline vapor emissions venting to the surface.
- **Fueling:** Fueling emissions occur at the gas pump, when motorists are filling their gas tank.
- **Spillage:** Spillage emissions result when drops of gasoline fall from the dispensing nozzle during vehicle fueling.

BAAQMD staff has estimated incremental cancer risk due to measured TAC in the Bay Area. According to the most recent analysis, the average regional cancer risk was about 300 per million. That is, for every million residents exposed for 70 years to current levels of TAC, 300 residents would be expected to develop cancer as a result of the exposure. According to the analysis, more than 70 percent of the cancer risk related to air pollution in the Bay Area is due to DPM, and 90 percent of the total risk is due to three



compounds: DPM; benzene; and 1,3-butadiene. All three of these compounds are emitted via fuel combustion (BAAQMD 2014).

2.1.7 SENSITIVE RECEPTORS

Those who are sensitive to air pollution include children, the elderly, and persons with pre-existing respiratory or cardiovascular illness. For the purposes of the California Environmental Quality Act (CEQA), a sensitive receptor is considered to be a location that houses or attracts children, the elderly, people with illnesses, or others who are especially sensitive to the effects of air pollutants. Examples of sensitive receptors include hospitals, residences, convalescent facilities, and schools.

The nearest sensitive receptors to the Project site include the residential units to the east of the site, along Danforth Court, and residential units to the south, across McLaughlin Avenue. In addition, the church located north of the site, across Tully Road, includes a children's daycare facility. There are no schools within 1,000 feet of the Project site.

2.2 Regulatory Setting

The agencies with regulatory authority over air emissions in the Project area are the USEPA, the CARB, and the BAAQMD. Each of these jurisdictions develops rules, regulations, and policies to attain the goals or directives imposed upon them through legislation. Although USEPA regulations may not be superseded, both state and local regulations may be more stringent.

2.2.1 FEDERAL

U. S. Environmental Protection Agency

At the federal level, the USEPA has been charged with implementing national air quality programs. The USEPA's air quality mandates are drawn primarily from the FCAA, which was signed into law in 1970. Congress substantially amended the FCAA in 1977 and again in 1990.

Federal Clean Air Act

The FCAA required USEPA to establish NAAQS and set deadlines for their attainment. Two types of NAAQS have been established: primary standards, which protect public health, and secondary standards, which protect public welfare from non-health-related adverse effects, such as visibility restrictions. NAAQS are summarized in Table 1.

National Emission Standards for Hazardous Air Pollutants

Pursuant to the FCAA of 1970, USEPA established NESHAP. These are technology-based source-specific regulations that limit allowable emissions of HAPs. These sources include asbestos-containing building materials (ACBM). NESHAPs include requirements pertaining to the inspection, notification, handling, and disposal of ACBMs associated with the demolition and renovation of structures.



Non-Road Diesel Rule

The USEPA has established a series of increasingly strict emissions standards for new off-road diesel vehicles and engines, including aircraft, heavy equipment, and locomotives. Any off-road construction equipment used for the Project would be required to comply with the applicable emissions standards.

2.2.2 STATE

California Air Resources Board

CARB is the agency responsible for coordination and oversight of state and local air pollution control programs in California and for implementing the CCAA of 1988. Other CARB duties include monitoring air quality in conjunction with air monitoring networks maintained by air pollution control districts and air quality management districts, establishing CAAQS, which in many cases are more stringent than the NAAQS, and setting emissions standards for new motor vehicles. The emission standards established for motor vehicles differ depending on various factors including the model year, and the type of vehicle, fuel, and engine used. The CAAQS are set to be protective of human health and are summarized in Table 1. These standards apply to the same criteria pollutants as the FCAA and also include sulfates, visibility reducing particulates, hydrogen sulfide, and vinyl chloride. There are currently no NAAQS for these latter pollutants.

California Clean Air Act

The CCAA requires that all air districts in the state endeavor to achieve and maintain CAAQS for O_3, CO, SO_2, and NO_2 by the earliest practical date. The CCAA specifies that districts focus attention on reducing the emissions from transportation and area wide emission sources, and the act provides districts with authority to regulate indirect sources. Each district plan is required to either (1) achieve a five percent annual reduction, averaged over consecutive 3-year periods, in district-wide emissions of each non-attainment pollutant or its precursors, or (2) to provide for implementation of all feasible measures to reduce emissions. Any planning effort for air quality attainment would thus need to consider both state and federal planning requirements.

Assembly Bills 1807 and 2588 – Toxic Air Contaminants

Within California, TACs are regulated primarily through Assembly Bill (AB) 1807 (Tanner Air Toxics Act) and AB 2588 (Air Toxics Hot Spots Information and Assessment Act of 1987). AB 1807 sets forth a formal procedure for CARB to designate substances as TACs. This includes research, public participation, and scientific peer review before CARB designates a substance as a TAC.

Existing sources of TACs that are subject to the Air Toxics Hot Spots Information and Assessment Act are required to: (1) prepare a toxic emissions inventory; (2) prepare a risk assessment if emissions are significant; (3) notify the public of significant risk levels; and (4) prepare and implement risk reduction measures.

Assembly Bill 617 – Community Air Protection Program

In response to AB 617 (C. Garcia, Chapter 136, Statutes of 2017), CARB established the Community Air Protection Program. The Community Air Protection Program includes community air monitoring, and the community emissions reduction program's focus is to reduce exposure in communities most impacted by air pollution. The California Legislature has appropriated funding to support early actions to address localized air pollution through targeted incentive funding to deploy cleaner technologies in these communities and grants to support community participation in the AB 617 process. AB 617 also includes new requirements for accelerated retrofit of pollution controls on industrial sources, increased penalty fees, and greater transparency and availability of air quality and emissions data, which will help advance air pollution control efforts throughout the state.

Regulatory Attainment Designations

Under the CCAA, CARB is required to designate areas of the state as attainment, non-attainment, or unclassified with respect to applicable standards. An "attainment" designation for an area signifies that pollutant concentrations did not violate the applicable standard in that area. A "non-attainment" designation indicates that a pollutant concentration violated the applicable standard at least once, excluding those occasions when a violation was caused by an exceptional event, as defined in the criteria. Depending on the frequency and severity of pollutants exceeding applicable standards, the non-attainment designation can be further classified as serious non-attainment, severe non-attainment, or extreme non-attainment, with extreme non-attainment being the most severe of the classifications. An "unclassified" designation signifies that the data does not support either an attainment or non-attainment designation. The CCAA divides districts into moderate, serious, and severe air pollution categories, with increasingly stringent control requirements mandated for each category.

USEPA designates areas for O_3, CO, and NO_2 as "does not meet the primary standards," "cannot be classified," or "better than national standards." For SO_2, areas are designated as "does not meet the primary standards," "does not meet the secondary standards," "cannot be classified," or "better than national standards." However, CARB terminology of attainment, non-attainment, and unclassified is more frequently used. The USEPA uses the same sub-categories for non-attainment status: serious, severe, and extreme. In 1991, USEPA assigned new non-attainment designations to areas that had previously been classified as Group I, II, or III for PM_{10} based on the likelihood that they would violate national PM_{10} standards. All other areas are designated as unclassified.

Low-Emission Vehicle Program and Zero-Emission Vehicle Program

CARB first adopted Low-Emission Vehicle (LEV) program standards in 1990. The first LEV program standards ran from 1994 through 2003. LEV II regulations, running from 2004 through 2010, represented continuing progress in emission reductions. As the state's passenger vehicle fleet continued to grow and more sport utility vehicles and pickup trucks are used as passenger cars rather than work vehicles, the more stringent LEV II standards were adopted to provide reductions necessary for California to meet federally mandated clean air goals outlined in the 1994 State Implementation Plan (SIP). In 2012, CARB adopted the LEV III amendments to California's LEV regulations. These amendments include more stringent emission standards for both criteria pollutants and GHGs for new passenger vehicles.



The Advanced Clean Cars II (ACC II) regulation builds on the Advanced Clean Cars (ACC) rule adopted in 2012. ACC II decreases emissions by increasing electric vehicle (EV) sales via two programs. First, the Zero-Emission Vehicle (ZEV) program requires ZEVs, defined as battery-electric vehicles or fuel-cell-electric vehicles to comprise an increasing portion of annual vehicle sales. Under the ZEV program, original equipment manufacturers must increase sales of ZEVs from 35 percent in 2026 to 100 percent in 2035. Second, ACC II further strengthened the LEV program discussed above, with more stringent emission standards beginning with model year 2025.

On-Road Heavy-Duty Vehicle Program

CARB has adopted standards for emissions from various types of new on-road heavy-duty vehicles. Section 1956.8, Title 13, California Code of Regulations (CCR) contains California's emission standards for on-road heavy-duty engines and vehicles, and test procedures. CARB has also adopted programs to reduce emissions from in-use heavy-duty vehicles including the Heavy-Duty Diesel Vehicle Idling Reduction Program, the Heavy-Duty Diesel In-Use Compliance Program, the Public Bus Fleet Rule and Engine Standards, and the School Bus Program and others.

In addition, the CARB's Truck and Bus regulation was established to meet federal attainment standards. This regulation requires heavy-duty diesel vehicles that operate in California to reduce TAC emissions from their exhaust. Diesel exhaust is responsible for 70 percent of the cancer risk from airborne toxics. Therefore, as of January 1, 2023, nearly all trucks and buses are required to have 2010 or newer model year engines to reduce PM and NOx emissions.

Advanced Clean Truck Act

To reduce emissions, the Advanced Clean Truck Act (ACT) requires original equipment manufacturers of medium- and heavy-duty vehicles to sell ZEVs or near-zero-emissions vehicles, such as plug-in electric hybrids, at an increasing percentage of their annual sales from 2024 to 2035. A ZEV is a vehicle that produces zero tail-pipe emissions, including BEVs and hydrogen fuel cell vehicles. A near-zero-emissions vehicle is a vehicle with an internal combustion engine and an electric energy storage system, including plug-in hybrid vehicles and hydrogen internal combustion engine vehicles. The ACT includes a cap-and-trade system, capping the number of fossil fuel vehicles sold by stipulating annual sales percentage requirements. Manufacturers can comply with the ACT by generating compliance credits through the sale of ZEVs or near-ZEVs or through the trading of compliance credits.

California State Implementation Plan

The FCAA (and its subsequent amendments) requires each state to prepare an air quality control plan referred to as the SIP. The SIP is a living document that is periodically modified to reflect the latest emissions inventories, plans, and rules and regulations of air basins as reported by the agencies with jurisdiction over them. The FCAA Amendments dictate that states with areas violating the NAAQS revise their SIPs to include extra control measures to reduce air pollution. The SIP includes strategies and control measures to attain the NAAQS by deadlines established by the CAA. The USEPA has the responsibility to review all SIPs to determine if they conform to the requirements of the CAA. State law makes CARB the lead agency for all purposes related to the SIP. Local air districts and other agencies prepare SIP elements and submit them to CARB for review and approval. CARB then forwards SIP revisions to the USEPA for approval and publication in the Federal Register.



2.2.3 REGIONAL

Bay Area Air Quality Management District

The BAAQMD is the public agency entrusted with regulating stationary sources of air pollution in the nine counties that surround San Francisco Bay: Alameda, Contra Costa, Marin, Napa, San Francisco, San Mateo, Santa Clara, southwestern Solano, and southern Sonoma counties. The BAAQMD has prepared their own CEQA Air Quality Guidelines (April 2023), which is intended to be used for assistance with CEQA review. The BAAQMD CEQA Air Quality Guidelines include thresholds of significance and project screening levels for criteria air pollutants (ROG, NO_X, PM_{10}, and $PM_{2.5}$), GHGs, TACs, CO, and odors, as well as methods to assess and mitigate project-level and plan-level impacts.

Current Air Quality Plans

As noted previously, the BAAQMD is designated as nonattainment for federal and state ozone and $PM_{2.5}$ as well as state PM_{10} (BAAQMD 2017). The BAAQMD adopted the 2017 Clean Air Plan in April 2017 that includes control strategies to reduce ozone precursors (ROG and NOx), particulate matter, TACs, and GHG emissions. The 2017 Clean Air Plan includes several measures for reducing particulate matter emissions from stationary sources and wood burning (BAAQMD 2023).

Rules and Regulations

BAAQMD's regulations and rules include, but are not limited to, the following (BAAQMD 2024a):

- ***Regulation 2: Permits.***
    - **Rule 1: General Permit Requirements.** This regulation includes criteria for issuance or denial of permits, exemptions, and appeals against decisions of the Air Pollution Control Officer and BAAQMD actions on applications.
- ***Regulation 6: Particulate Matter and Visible Emissions.***
    - **Rule 1: General Requirements.** The purpose of this regulation is to limit the quantity of particulate matter in the atmosphere through the establishment of limitations on emission rates, emission concentrations, visible emissions, and opacity.
    - **Rule 6: Prohibition of Trackout.** The purpose of this rule is to limit the quantity of particulate matter in the atmosphere through control of trackout of solid materials onto paved public roads outside the boundaries of Large Bulk Material Site, Large Construction Site, and Large Disturbed Surface sites including landfills. This rule does not apply to Bulk Material Sites, Construction Sites and Disturbed Surface Sites less than 1 acre.
- ***Regulation 7: Odorous Substances.*** Regulation 7 places general limitations on odorous substances and specific emission limitations on certain odorous compounds. The limitations of this regulation shall not be applicable until BAAQMD receives odor complaints from 10 or more complainants within a 90-day period alleging that a person has caused odors perceived at or beyond the property line of such person and deemed to be objectionable by the complainants in the normal course of their work, travel, or residence. BAAQMD staff shall investigate and track all odor complaints they receive and shall attempt to visit the site, identify the source of the objectionable odor, and assist the owner or facility in finding a way to reduce the odor.
- ***Regulation 8: Organic Compounds***

- **Rule 3: Architectural Coatings.** The purpose of this rule is to limit the quantity of volatile organic compounds in architectural coatings supplied, sold, offered for sale, applied, solicited for application, or manufactured for use within the District.

- ***Regulation 11: Hazardous Pollutants***
  - **Rule 2: Asbestos Demolition, Renovation and Manufacturing.** The purpose of this rule is to control emissions of asbestos to the atmosphere during demolition, renovation, milling and manufacturing and establish appropriate waste disposal procedures.

In addition, all construction within BAAQMD's jurisdiction is required to implement the BAAQMD's Basic Best Management Practices (BMPs) for Construction-Related Fugitive Dust Emissions, listed below:

1. All exposed surfaces (e.g., parking areas, staging areas, soil piles, graded areas, and unpaved access roads) shall be watered two times per day.
2. All haul trucks transporting soil, sand, or other loose material off-site shall be covered.
3. All visible mud or dirt track-out onto adjacent public roads shall be removed using wet power vacuum street sweepers at least once per day. The use of dry power sweeping is prohibited.
4. All vehicle speeds on unpaved roads shall be limited to 15 miles per hour (mph).
5. All roadways, driveways, and sidewalks to be paved shall be completed as soon as possible. Building pads shall be laid as soon as possible after grading unless seeding or soil binders are used.
6. All excavation, grading, and/or demolition activities shall be suspended when average wind speeds exceed 20 mph.
7. All trucks and equipment, including their tires, shall be washed off prior to leaving the site.
8. Unpaved roads providing access to sites located 100 feet or further from a paved road shall be treated with a 6- to 12-inch layer of compacted layer of wood chips, mulch, or gravel.
9. Publicly visible signs shall be posted with the telephone number and name of the person to contact at the lead agency regarding dust complaints. This person shall respond and take corrective action within 48 hours. The Air District's General Air Pollution Complaints number shall also be visible to ensure compliance with applicable regulations.

2.2.4 LOCAL

Envision San José 2040 General Plan

Policies in the City's General Plan have been adopted for the purpose of avoiding or mitigating air quality impacts from projects. The following goals and policies related to air quality may be applicable to the Project (City of San José 2024):

- **Goal MS-10-Air Pollutant Emission Reduction:** Minimize air pollutant emissions from new and existing development.

  - **Policy MS-10.1:** Assessed air emissions from new development in conformance with the BAAQMD CEQA Guidelines and relative to State and federal standards. Identify and implement feasible air emission reduction measures.

- **Policy MS-10.2:** Consider the cumulative air quality impacts from proposed developments for proposed land use designation changes and new development, consistent with the region's Clean Air Plan and State law.

- **Policy MS-10.4:** Encourage effective regulation of mobile and stationary sources of air pollution, both inside and outside of San José. In particular, support federal and State regulations to improve automobile emission controls.

- **Policy MS-10.7**: Encourage regional and Statewide air pollutant emission reduction through energy conservation to improve air quality.

- **Goal MS-11-Toxic Air Contaminants:** Minimize exposure of people to air pollution and toxic air contaminants such as ozone, carbon monoxide, lead, and particulate matter.

    - **Policy MS-11.1:** Require completion of air quality modeling for sensitive land uses such as new residential developments that are located near sources of pollution such as freeways and industrial uses. Require new residential development projects and projects categorized as sensitive receptors to incorporate effective mitigation into project designs or be located an adequate distance from sources of toxic air contaminants (TACs) to avoid significant risks to health and safety.

    - **Policy MS-11.2:** For projects that emit toxic air contaminants, require project proponents to prepare health risk assessments in accordance with BAAQMD-recommended procedures as part of environmental review and employ effective mitigation to reduce possible health risks to a less than significant level. Alternatively, require new projects (such as, but not limited to, industrial, manufacturing, and processing facilities) that are sources of TACs to be located an adequate distance from residential areas and other sensitive receptors.

    - **Policy MS-11.5:** Encourage the use of pollution absorbing trees and vegetation in buffer areas between substantial sources of TACs and sensitive land uses.

- **Goal MS-13-Construction Air Emissions:** Minimize air pollutant emissions during demolition and construction activities.

    - **Policy MS-13.1:** Include dust, particulate matter, and construction equipment exhaust control measures as conditions of approval for subdivision maps, site development and planned development permits, grading permits, and demolition permits. At minimum, conditions shall conform to construction mitigation measures recommended in the current BAAQMD CEQA Guidelines for the relevant project size and type.

    - **Policy MS-13.2:** Construction and/or demolition projects that have the potential to disturb asbestos (from soil or building material) shall comply with all the requirements of the California Air Resources Board's air toxics control measures (ATCMs) for Construction, Grading, Quarrying, and Surface Mining Operations.

- **Policy MS-13.6:** Prevent silt loading on roadways that generates particulate matter air pollution by prohibiting unpaved or unprotected access to public roadways from construction sites.

San José Municipal Code

In addition to the goals and policies of the General Plan, the Project would also be subject to the City's Grading Ordinance, Chapter 17.04.280 of the Municipal Code, which requires that all earth moving activities control fugitive dust through steps such as regular watering of the ground surface, cleaning of nearby streets, and planting any areas left vacant for extensive periods of time.

3 Greenhouse Gas Emissions

3.1 Environmental Setting

To fully understand global climate change, it is important to recognize the naturally occurring "greenhouse effect" and to define the GHGs that contribute to this phenomenon. Various gases in the earth's atmosphere, classified as atmospheric GHGs, play a critical role in determining the earth's surface temperature. Solar radiation enters the earth's atmosphere from space, and a portion of the radiation is absorbed by the earth's surface. The earth emits this radiation back toward space, but the properties of the radiation change from high-frequency solar radiation to lower-frequency infrared radiation. GHGs, which are transparent to solar radiation, are effective in absorbing infrared radiation. As a result, this radiation that would have escaped back into space is now retained, resulting in a warming of the atmosphere. This phenomenon is known as the greenhouse effect.

3.1.1 GREENHOUSE GASES

Among the prominent GHGs contributing to the greenhouse effect are carbon dioxide (CO_2), methane (CH_4), nitrous oxide (N_2O), hydrofluorocarbons (HFCs), perfluorocarbons (PFCs), nitrogen trifluoride (NF_3), and sulfur hexafluoride (SF_6). Primary GHGs attributed to global climate change, are discussed in the following subsections.

Carbon Dioxide. CO_2 is a colorless, odorless gas. CO_2 is emitted in a number of ways, both naturally and through human activities. The largest source of CO_2 emissions globally is the combustion of fossil fuels such as coal, oil, and gas in power plants, automobiles, industrial facilities, and other sources. A number of specialized industrial processes, such as mineral production and metal production, and the use of petroleum-based products can also lead to CO_2 emissions. The atmospheric lifetime of CO_2 is variable because it is so readily exchanged in the atmosphere (USEPA 2024d).

Methane. CH_4 is a colorless and odorless gas. CH_4 is the major component of natural gas, about 87 percent by volume. It is also formed and released to the atmosphere by biological processes occurring in anaerobic environments. CH_4 is emitted from a variety of both human-related and natural sources. Human-related sources include fossil fuel production, animal husbandry (e.g., enteric fermentation in livestock and manure management), rice cultivation, biomass burning, and waste management. These activities release significant quantities of CH_4 to the atmosphere. Natural sources of CH_4 include wetlands, gas hydrates, permafrost, termites, oceans, freshwater bodies, non-wetland soils, and other sources such as wildfires. The atmospheric lifetime of CH_4 is about 12 years (USEPA 2024d).

Nitrous Oxide. N_2O is a clear, colorless gas with a slightly sweet odor. N_2O is produced by both natural and human-related sources. Primary human-related sources of N_2O are agricultural soil management, animal manure management, sewage treatment, mobile and stationary combustion of fossil fuels, adipic acid production, and nitric acid production. N_2O is also produced naturally from a wide variety of biological sources in soil and water, particularly microbial action in wet tropical forests. The atmospheric lifetime of N_2O is approximately 120 years (USEPA 2024d).

Hydrofluorocarbons. HFCs are manufactured chemicals, many of which have been developed as alternatives to ozone-depleting substances for industrial, commercial, and consumer products. The only



significant emissions of HFCs before 1990 were of the chemical HFC-23, which is generated as a byproduct of the production of HFC-22, or Freon 22, used in air conditioning applications. The atmospheric lifetime for HFCs varies from just over a year for HFC-152a to 260 years for HFC-23. Most of the commercially used HFCs have atmospheric lifetimes of less than 15 years (e.g., HFC-134a, which is used in automobile air conditioning and refrigeration, has an atmospheric life of 14 years) (USEPA 2024d).

Perfluorocarbons. PFCs are colorless, highly dense, chemically inert, and nontoxic. There are seven PFC gases: perfluoromethane (CF_4), perfluoroethane (C_2F_6), perfluoropropane (C_3F_8), perfluorobutane (C_4F_{10}), perfluorocyclobutane (C_4F_8), perfluoropentane (C_5F_{12}), and perfluorohexane (C_6F_{14}). Natural geological emissions have been responsible for the PFCs that have accumulated in the atmosphere in the past; however, the largest current source is aluminum production, which releases CF_4 and C_2F_6 as byproducts. The estimated atmospheric lifetimes for CF_4 and C_2F_6 are 50,000 and 10,000 years, respectively (USEPA 2024d).

Nitrogen Trifluoride. NF_3 is an inorganic, colorless, odorless, toxic, nonflammable gas used as an etchant in microelectronics. NF_3 is predominantly employed in the cleaning of the plasma-enhanced chemical vapor deposition chambers in the production of liquid crystal displays and silicon-based thin film solar cells. In 2009, NF_3 was listed by California as a potential GHG to be listed and regulated under AB 32, Section 38505 Health and Safety Code. NF_3 has an atmospheric lifetime of 740 years (USEPA 2024d).

Sulfur Hexafluoride. SF_6 is an inorganic compound that is colorless, odorless, nontoxic, and generally nonflammable. SF_6 is primarily used as an electrical insulator in high voltage equipment. The electric power industry uses roughly 80 percent of all SF_6 produced worldwide. Leaks of SF_6 occur from aging equipment and during equipment maintenance and servicing. The use of SF_6 in electric power systems has decreased dramatically in recent years; for example, according to the USEPA, an old circuit breaker can contain up to 2,000 pounds of SF_6 while modern breakers usually contain less than 100 pounds. Best practices to reduce the potential for SF_6 leaks include training staff to handle SF_6 properly; implement leak detection and repair strategies; and decommissioning equipment appropriately. SF_6 has an atmospheric life of 3,200 years (USEPA 2024e).

Black Carbon. Black carbon is the most strongly light-absorbing component of PM emitted from burning fuels such as coal, diesel, and biomass. Black carbon contributes to climate change both directly by absorbing sunlight and indirectly by depositing on snow and by interacting with clouds and affecting cloud formation. Black carbon is considered a short-lived species, which can vary spatially and, consequently, it is very difficult to quantify associated global warming potentials. The main sources of black carbon in California are wildfires, off-road vehicles (e.g., locomotives, marine vessels, tractors, excavators, dozers), on-road vehicles (e.g., cars, trucks, and buses), fireplaces, agricultural waste burning, and prescribed burning of forest or wildlands. California has been an international leader in reducing emissions of black carbon, including programs that target reducing PM from diesel engines and burning activities (CARB 2013).

3.1.2 GLOBAL WARMING POTENTIAL

Each GHG differs in its ability to absorb heat in the atmosphere based on the lifetime, or persistence, of the gas molecule in the atmosphere. Often, estimates of GHG emissions are presented in carbon dioxide equivalents (CO_2e), which weigh each gas by its global warming potential (GWP).

Expressing GHG emissions in carbon dioxide equivalents takes the contribution of all GHG emissions to the greenhouse effect and converts them to a single unit equivalent to the effect that would occur if only CO_2 were being emitted. Based on a 100-year time horizon, CH_4 traps over 25 times more heat per molecule than CO_2; and N_2O absorbs roughly 298 times more heat per molecule than CO_2. Additional GHGs with high GWP include NF_3, SF_6, PFCs, and black carbon.

3.1.3 SOURCES OF GREENHOUSE GAS EMISSIONS

On a global scale, GHG emissions are predominantly associated with activities related to energy production from fossil-fuel sources; changes in land use, such as deforestation and land clearing; industrial sources; agricultural activities; transportation; waste and wastewater generation; and commercial and residential land uses. Worldwide, energy production including the burning of coal, natural gas, and oil for electricity and heat is the largest single source of global GHG emissions.

United States of America

In 2021, net GHG emissions in the United States totaled 5,586 million metric tons of CO_2e ($MMTCO_2e$). Within the United States, the largest contributor to GHG emissions is the transportation sector (28 percent). The next largest contributors are from electricity production (25 percent) and industry (23 percent), followed by the commercial and residential sector (13 percent) and the agricultural sector (10 percent). Transportation emissions primarily come from burning fossil fuels for cars, trucks, ships, trains, and planes. Over 90 percent of the fuel used for transportation is petroleum-based, which includes primarily gasoline and diesel. The bulk of emissions generated from energy production come from burning fossil fuels, mostly coal and natural gas. Industry emissions are also primarily generated from fossil fuels burned for heat, the use of certain products that contain GHGs, and the handling of waste. Similar to industry sector emissions, commercial and residential uses arise primarily from fossil fuels for heat, the use of certain products that contain GHGs, and the handling of waste. Agricultural emissions come from livestock such as cows, agricultural soil, and rice production. The land use and forestry sector within the U.S. serves as a carbon sink. Carbon sinks absorb CO_2 from the atmosphere. Land areas across the U.S. absorbed approximately 12 percent of the 2021 GHG emissions (USEPA 2024f).

California

In 2021, GHG emissions within California totaled 381.3 $MMTCO_2e$. Similar to national emissions, in California, the transportation sector is the largest contributor. Transportation emissions account for approximately 38 percent of the total statewide GHG emissions. The majority of transportation emissions are derived from passenger vehicles and heavy-duty trucks. Emissions associated with industrial uses are the second largest contributor, totaling roughly 19 percent. Industrial emissions are driven by fuel combustion from sources that include refineries, oil and gas extraction, cement plants, and the portion of cogeneration emissions attribution to thermal energy output. Electricity generation (in-state and imports)



totaled roughly 16 percent. Emissions from the electricity generation sector have declined over the years due to the increase in renewable generation that continues to replace fossil power (CARB 2023).

3.1.4 EFFECTS OF GLOBAL CLIMATE CHANGE

There are uncertainties as to exactly what the climate changes will be in various areas of Earth. There are also uncertainties associated with the magnitude and timing of other consequences of a warmer planet, e.g., sea level rise, spread of certain diseases out of their usual geographic range, the effect on agricultural production, water supply, sustainability of ecosystems, increased strength and frequency of storms, extreme heat events, increased air pollution episodes, and the consequence of these effects on the economy.

Within California, climate changes would likely alter the ecological characteristics of many ecosystems throughout the state. Such alterations would likely include increases in surface temperatures and changes in the form, timing, and intensity of precipitation. For instance, historical records are depicting an increasing trend toward earlier snowmelt in the Sierra Nevada mountain range. This snowpack is a principal supply of water for the state, providing roughly 50 percent of the state's annual runoff. If this trend continues, some areas of the state may experience an increased danger of floods during the winter months and possible exhaustion of the snowpack during spring and summer months. An earlier snowmelt would also impact the state's energy resources. An early exhaustion of the Sierra snowpack may force electricity producers to switch to more costly or non-renewable forms of electricity generation during spring and summer months. A changing climate may also impact agricultural crop yields, coastal structures, and biodiversity. As a result, resultant changes in climate will likely have detrimental effects on some of California's largest industries, including agriculture, wine, tourism, skiing, recreational and commercial fishing, and forestry.

3.2 Regulatory Setting

There are considerable regulatory actions regarding GHGs and climate change at the federal, state, regional, and local level. The following includes the key regulations applicable to the Project.

3.2.1 FEDERAL

As noted previously, the USEPA is the federal agency responsible for implementing the FCAA. On April 2, 2007, the U.S. Supreme Court held that the USEPA must consider regulation of motor vehicle GHG emissions. In addition, in 2010, the USEPA issued a GHG Tailoring Rule, which relates to permitting GHG emissions of major sources.

The Inflation Reduction Act of 2022 is a multi-faceted, landmark federal law intended to reduce GHG emissions, help build a clean economy, reduce energy costs for Americans, and advance environmental justice. The Inflation Reduction Act affirms USEPA's authority to regulate GHG emissions under the FCAA.



3.2.2 STATE

Executive Order S-3-05

Executive Order (EO) S-3-05, issued in June 2005, set forth the following target dates by which statewide GHG emissions shall be progressively reduced:

- By 2010, reduce GHG emissions to 2000 levels.
- By 2020, reduce GHG emissions to 1990 levels.
- By 2050, reduce GHG emissions to 80 percent below 1990 levels.

Assembly Bill 32 – The California Global Warming Solutions Act

In line with EO S-3-05, AB 32, passed in 2006, required that GHGs emitted in California be reduced to 1990 levels by the year 2020. GHGs, as defined under AB 32, include CO_2, CH_4, N_2O, HFCs, PFCs, and SF_6. Since AB 32 was enacted, a seventh chemical, NF_3, has also been added to the list of GHGs. CARB is the state agency charged with monitoring and regulating sources of GHGs. AB 32 states the following:

> *Global warming poses a serious threat to the economic well-being, public health, natural resources, and the environment of California. The potential adverse impacts of global warming include the exacerbation of air quality problems, a reduction in the quality and supply of water to the state from the Sierra snowpack, a rise in sea levels resulting in the displacement of thousands of coastal businesses and residences, damage to marine ecosystems and the natural environment, and an increase in the incidences of infectious diseases, asthma, and other human health-related problems.*

CARB approved the 1990 GHG emissions level of 427 $MMTCO_2e$ on December 6, 2007. Therefore, to meet the state's target, emissions generated in California in 2020 were required to be equal to or less than 427 $MMTCO_2e$. In order to set a framework for the state to meet this target, CARB was tasked with creating a Scoping Plan (as described below). California announced in July 2018 that the state emitted 427 $MMTCO_2e$ in 2016 and achieved AB 32 goals (CARB 2018).

Executive Order B-30-15

EO B-30-15, issued in April 2015, established a statewide GHG reduction goal of 40 percent below 1990 levels by 2030. The emission reduction target acts as an interim goal between the AB 32 goal (i.e., achieve 1990 emission levels by 2020) and EO S-3-05 goal of reducing statewide emissions 80 percent below 1990 levels by 2050.

Senate Bill 32

Senate Bill (SB) 32 is an amendment to the California Global Warming Solutions Act (AB 32) and was signed into law on September 8, 2016. SB 32 states that "In adopting rules and regulations to achieve the maximum technologically feasible and cost-effective GHG emissions reductions authorized by this division, the state [air resources] board shall ensure that statewide GHG emissions are reduced to at least 40 percent below the statewide GHG emissions limit no later than December 31, 2030.". In other words, SB 32 codified the interim goal established in EO B-30-15 of reducing statewide emissions to 40 percent below 1990 levels by 2030.



Executive Order N-19-19

EO N-19-19, issued in September 2019, directs the Department of Finance to create a Climate Investment Framework that shifts investments into sectors that focus on carbon reduction and climate resiliency. This EO also directs the state Transportation Agency to align transportation spending with the Scoping Plan, including encouraging manufacturers to produce clean vehicles.

Assembly Bill 1279 – The California Climate Crisis Act

On September 16, 2022, AB 1279, also known as the California Climate Crisis Act, codified the carbon neutrality goal established by EO B-55-18. AB 1279 establishes the policy of the state to achieve carbon neutrality as soon as possible, but no later than 2045, and maintain net negative GHG emissions thereafter. AB 1279 would also ensure that by 2045 the statewide anthropogenic GHG emissions are reduced by at least 85 percent below 1990 levels. The bill would require CARB to ensure that an updated Scoping Plan identifies and recommends measures to achieve carbon neutrality, and to identify and implement policies and strategies that enable CO_2 removal and carbon capture, utilization, and storage technologies to complement AB 1279's emissions reduction requirements.

2022 Climate Change Scoping Plan

The 2022 Climate Change Scoping Plan (2022 Scoping Plan) was approved in December 2022 and assesses progress toward achieving the interim 2030 Target and laying out a path to achieve carbon neutrality no later than 2045. The 2022 Scoping Plan focuses on outcomes needed to achieve carbon neutrality by assessing paths for clean technology, energy deployment, natural and working lands, and others, and is designed to meet the state's long-term climate objectives and support a range of economic, environmental, energy security, environmental justice, and public health priorities (CARB 2022a).

Cap-and-Trade Program

CARB administers the state's Cap-and-Trade Program, which covers GHG sources that emit more than 25,000 metric tons CO_2e ($MTCO_2e$) per year, such as refineries, power plants, and industrial facilities. This market-based approach to reducing GHG emissions provides economic incentives for achieving GHG emission reductions.

The governor signed AB 398 on July 25, 2017, to extend the Cap-and-Trade Program to 2030. The legislation includes provisions to ensure that offsets used by sources are limited to 4 percent of their compliance obligation from 2021 to 2025 and 6 percent of their compliance obligation from 2026 through 2030. AB 398 also prevents air districts from adopting or implementing emission reduction rules from stationary sources that are also subject to the Cap-and-Trade Program (CARB 2022b).

Senate Bill 375 – The Sustainable Communities and Climate Protection Act of 2008

SB 375 was signed into law on September 30, 2008. According to SB 375, the transportation sector is the largest contributor of GHG emissions, which emits more than 40 percent of the total GHG emissions in California. SB 375 states, "Without improved land use and transportation policy, California will not be able to achieve the goals of AB 32." SB 375 does the following: (1) requires metropolitan planning organizations to include sustainable community strategies in their regional transportation plans for

reducing GHG emissions, (2) aligns planning for transportation and housing, and (3) creates specified incentives for the implementation of the strategies.

On March 22, 2018, CARB updated the SB 375 Greenhouse Gas Emission Reduction Targets setting GHG reduction targets for metropolitan planning organizations for 2020 and 2035 (CARB 2024c). The Bay Area reduction targets for per capita vehicular emissions were 10 percent by 2020 and are 19 percent by 2035.

Assembly Bill 1493 – Pavley Regulations and Fuel Efficiency Standards

AB 1493, enacted on July 22, 2002, required CARB to develop and adopt regulations and fuel efficiency standards that reduce GHGs emitted by passenger vehicles and light duty trucks. The fuel efficiency standards were phased in during the 2009 through 2016 model years.

The second phase of the implementation for AB 1493 was incorporated into Amendments to the LEV III or the ACC program. The ACC program combines the control of smog-causing pollutants and GHG emissions into a single coordinated package of requirements for model years 2017 through 2025. The regulation would reduce GHGs from new cars by 34 percent from 2016 levels by 2025. The rules would reduce pollutants from gasoline and diesel-powered cars and would deliver increasing numbers of zero-emission technologies, such as full battery-electric cars, newly emerging plug-in hybrid electric vehicles, and hydrogen fuel cell cars. The regulations would also provide adequate fueling infrastructure for the increasing numbers of hydrogen fuel cell vehicles planned for deployment in California. In general, these regulations ensure that emissions associated with non-commercial, personal transportation are gradually reduced such that the state is able to achieve its climate goals.

Executive Order S-01-07 – Low Carbon Fuel Standard

EO S-01-07 was signed on January 18, 2007. The EO mandates that a statewide goal shall be established to reduce the carbon intensity of California's transportation fuels by at least 10 percent by 2020. In particular, the EO established a Low Carbon Fuel Standard (LCFS) and directed the Secretary for Environmental Protection to coordinate the actions of the California Energy Commission, CARB, the University of California, and other agencies to develop and propose protocols for measuring the "life-cycle carbon intensity" of transportation fuels. This analysis supporting development of the protocols was included in an implementation plan for the State Alternative Fuels Plan adopted by California Energy Commission on December 24, 2007, and was submitted to CARB for consideration as an "early action" item under AB 32. CARB adopted the LCFS on April 23, 2009.

The LCFS was subject to legal challenge in 2011. Ultimately, CARB was required to bring a new LCFS regulation for consideration in February 2015. The proposed LCFS regulation was required to contain revisions to the 2010 LCFS and new provisions designed to foster investments in the production of the low-carbon fuels, offer additional flexibility to regulated parties, update critical technical information, simplify and streamline program operations, and enhance enforcement. The Office of Administrative Law approved the regulation on November 16, 2015. The regulation was amended in 2018 to strengthen the carbon intensive fuel reduction targets beyond 2020 to support SB 32. Additional amendments have been proposed and are scheduled for public hearings in November 2024 (CARB 2024e).



Senate Bill 350 – Clean Energy and Pollution Reduction Act of 2015

SB 350 (October 7, 2015) reaffirms California's commitment to reducing its GHG emissions and addressing climate change. Key provisions include an increase in the Renewable Portfolio Standards, higher energy efficiency requirements for buildings, initial strategies toward a regional electricity grid, and improved infrastructure for EV charging stations.

Executive Order S-13-08 – Climate Adaptation Strategy

EO S-13-08 states that, "climate change in California during the next century is expected to shift precipitation patterns, accelerate sea level rise and increase temperatures, thereby posing a serious threat to California's economy, to the health and welfare of its population and to its natural resources." Pursuant to the requirements in this EO, the 2009 California Climate Adaptation Strategy was adopted, which is the, "… first statewide, multi-sector, region-specific, and information-based climate change adaptation strategy in the United States." Objectives include analyzing risks of climate change in California, identifying and exploring strategies to adapt to climate change, and specifying a direction for future research.

California Green Building Code and Energy Efficiency Standards

The California Green Building Code (CALGreen) (CCR Title 24, Part 11) is a state-mandated building code aimed at improving public health, safety, and general welfare through mandating efficient design and construction of buildings within the state. An updated CALGreen standards is published every three years by order of the California legislature.

The California Energy Efficiency Standards (CCR Title 24, Part 6) are updated by the California Energy Commission (CEC) every three years. The triennial updates strengthen efficiency standards and allow for the regulation consideration of new energy efficient technologies and methods. Energy efficient buildings require less electricity; therefore, increased energy efficiency reduces fossil fuel consumption and decreases GHG emissions. The current 2022 Building Energy Efficiency Standards went into effect on January 1, 2023.

Executive Order N-79-20

In September 2020, Governor Newsom signed EO N-79-20, which sets the following goals for the State: 100 percent of in-state sales of new passenger cars and trucks shall be zero-emission by 2035; 100 percent of medium- and heavy-duty vehicles in the State shall be zero-emission by 2045 for all operations where feasible and by 2035 for drayage trucks; and 100 percent of off-road vehicles and equipment in the State shall be zero-emission by 2035, where feasible.

3.2.3 REGIONAL

Plan Bay Area 2050

In October 2021, the Metropolitan Transportation Commission (MTC) and Association of Bay Area Governments (ABAG) adopted the Plan Bay Area 2050, which is the Bay Area's long-range plan for sustainable growth, and includes strategies focused on the following sectors: housing, economy,



transportation, and environment. Plan Bay Area 2050 also serves as the Regional Transportation Plan and Sustainable Communities Strategy (RTP/SCS) for the region (MTC/ABAG 2021).

3.2.4 LOCAL

Envision San José 2040 General Plan

Multiple policies and actions in the General Plan have GHG implications, including land use, housing, transportation, water usage, solid waste generation and recycling, and reuse of historic buildings. The GHG Reduction Strategy is intended to meet the mandates as outlined in the CEQA Air Quality Guidelines and standards for "qualified plans" as set forth by BAAQMD.

On December 15, 2015, the San José City Council certified a Supplemental Program EIR to the Envision San José 2040 Final Program Environmental Impact Report and readopted the City's GHG Reduction Strategy in the General Plan. Projects that conform to the General Plan Land Use/Transportation Diagram and supporting policies are considered consistent with the City's GHG Reduction Strategy. The GHG Reduction Strategy identifies GHG emissions reduction measures to be implemented by development projects in three categories: built environment and energy, land use and transportation, and recycling and waste reduction. Some measures are mandatory for all proposed developments and others are voluntary. Voluntary measures could be incorporated as mitigation measures for Project, at the City's discretion.

2030 Greenhouse Gas Reduction Strategy

The City of San José has updated its 2030 Greenhouse Gas Reduction Strategy (2030 GHGRS) for greenhouse gas reduction in alignment with SB 32, which established an interim statewide greenhouse gas reduction goal for 2030 to meet the long-term target of carbon neutrality by 2045 (AB 1279).

The City's 2030 GHGRS is a comprehensive update to the city's original GHGRS and reflects the plans, policies, and codes as approved by the City Council. The strategy builds on the City's Envision San José 2040 General Plan and Climate Smart San José - these plans expanded the City's Green Vision to advance urban sustainability. Leveraging these existing plans and supporting policy and program frameworks, the 2030 GHGRS provides a set of strategies and additional actions for achieving the 2030 target (City of San José 2020a).

The 2030 GHGRS serves as a Qualified Climate Action Plan for purposes of tiering and streamlining under CEQA. The Development Compliance Checklist serves to apply the relevant General Plan and 2030 GHGRS policies through a streamlined review process for proposed new development projects that are subject to discretionary review and that trigger environmental review under CEQA. The Project would be required to submit a completed checklist and comply with applicable measures to be consistent with the GHGRS.

Green Vision

In 2007, the City adopted the Green Vision, a 15-year sustainability plan that focused on economic growth while reducing GHG emissions. The strategy included goals to increase energy efficiency and reduce consumption along with creating clean tech jobs, diverting waste from landfills and converting

waste into energy, increase electricity consumption from renewable sources, and plant 100,000 new trees. Significant progress has been made and as the program approaches its horizon year, the City plans to incorporate goals of the Green Vision into its Climate Smart San José's program.

Climate Smart San José

This program was adopted in 2018 to continue the City's efforts to reduce the impacts of climate change. In addition to addressing climate change issues, the program's strategies would reduce air pollution, save water, and improve the quality of life communitywide. The program is the first in the country to provide a plan for achieving GHG reductions consistent with those in the Paris Agreement.

San José Municipal Code

The City's Municipal Code includes the Green Building Regulations for Private Development which are intended to advance GHG reductions and other sustainability strategies in the City's Green Vision. The Green Building regulation would reduce energy and water consumption, divert waste from landfills, and provide power from renewable sources. The City determined that reduction of total energy and peak energy use as a result of incremental energy efficiency measures resulted in positive cost-benefits for building owners.



4 Energy

4.1 Environmental Setting

Pacific Gas & Electric Company (PG&E) provides natural gas and electric service to approximately 16 million people throughout a 70,000-square-mile service area in northern and central California, including the City of San José (PG&E 2024). In February 2018, PG&E announced that it had reached California's 2020 renewable energy goal three years ahead of schedule (PG&E 2018). In 2022, approximately 38 percent of PG&E's electricity came from eligible renewable resources including solar, wind, geothermal, biomass and small hydroelectric sources. Additionally, approximately 95 percent of PG&E's total electric power mix was from GHG-free sources, which includes nuclear and large hydroelectric sources of energy (CEC 2024a).

The CEC tracks electricity and natural gas consumption across the state for residential and non-residential sources. In 2022, Santa Clara County used a total of 17,102 gigawatt-hours (GWh) of electricity and 424 millions of therms of natural gas. Approximately 75 percent of the electricity usage and 45 percent of the natural gas use in the County was attributed to non-residential consumption (CEC 2016a, CEC 2016b).

4.2 Regulatory Setting

The following includes the key federal, state, and local regulations related to energy resources that are applicable to the Project.

4.2.1 FEDERAL

National Energy Conservation Policy Act

The National Energy Conservation Policy Act (42 U.S. Code [USC] §§ 8201 et seq.) serves as the underlying authority for federal energy management goals and requirements and is the foundation of most federal energy requirements. The National Energy Conservation Policy Act also established fuel economy standards for on-road motor vehicles in the United States. The National Highway Traffic Safety Administration (NHTSA) is responsible for establishing additional vehicle standards and for revising existing standards. NHTSA and the USEPA are taking coordinated steps to enable the production of clean energy vehicles with improved fuel efficiency. NHTSA sets the Corporate Average Fuel Economy (CAFE) levels, which are rapidly increasing over the next several years to improve energy security and reduce fuel consumption.

Energy Independence and Security Act of 2007

The Energy Independence and Security Act (EISA) aimed to increase U.S. energy security, increased CAFE standards for motor vehicles, and included provisions related to energy efficiency, such as renewable fuel standards (RFS), appliance and lighting efficiency standards; and building energy efficiency standards. The EISA required increasing levels of renewable fuels to replace petroleum. The



USEPA is responsible for developing and implementing regulations to ensure transportation fuel sold into the U.S. contains a minimum volume of renewable fuel.

The RFS programs regulations were developed in collaboration with refiners, renewable fuel products, and other stakeholders and were created under the Energy Policy Act of 2005. The RFS program established the first renewable fuel volume mandate in the U.S. As required under the EISA, the original RFS program required 7.5 billion gallons of renewable fuel to be blended into gasoline by 2012. The RFS program was expanded in several ways that laid the foundation for achieving significant reductions of GHG emissions through the use of renewable fuels, for reducing imported petroleum, and for encouraging the development and expansion of the nation's renewable fuels sector. The updated program is referred to as RFS2, and includes the following:

- EISA expanded the RFS program to include diesel, in addition to gasoline;
- EISA increased the volume of renewable fuel required to be blended into transportation fuel from 9 billion gallons in 2008 to 36 billion gallons by 2022;
- EISA established new categories of renewable fuel and set separate volume requirements for each one; and
- EISA required by the U.S. EPA to apply lifecycle GHG performance threshold standards to ensure that each category of renewable fuel emits fewer GHGs than the petroleum fuel it replaces.

Additional provisions of the EISA address energy savings in government and public institutions, promoting research for alternate energy, additional research in carbon capture, international energy programs, and the creation of "green jobs."

Corporate Average Fuel Economy Standards

The Energy Policy and Conservation Act of 1975 mandated that NHTSA establish and implement a regulatory program for motor vehicle fuel economy, known as the CAFE program, to reduce national energy consumption. The CAFE program establishes average fuel economy standards for passenger cars and light trucks (*see* 49 U.S.C. § 32901 et seq.). The EISA, discussed above, amended the CAFE program requirements by providing the Department of Transportation (USDOT) additional rulemaking authority and responsibilities. In June 2024, NHTSA finalized CAFE standards for model years 2027 to 2031. The standards will bring the average light-duty vehicle fuel economy to approximately 50.4 miles per gallon by model year 2031. In addition, heavy-duty pickup truck and van fuel efficiency will increase to an average of approximately 35 miles per gallon by model year 2035. NHTSA projects that the foregoing standards will avoid the consumption of almost 70 billion gallons of gasoline through 2050, preventing more than 710 million metric tons of carbon dioxide emissions by 2050 (NHTSA 2024).

Inflation Reduction Act of 2022

The Inflation Reduction Act of 2022 is a multi-faceted, landmark federal law intended to reduce GHG emissions, help build a clean economy, reduce energy costs for Americans, and advance environmental justice. With funding from the IRA, the USEPA has launched a network of clean energy financing and provided grant funding for climate pollution reduction programs and will continue to implement programs to put more clean vehicles on the transportation network (USEPA 2023).



4.2.2 STATE

California Public Utilities Commission

The California Public Utilities Commission (CPUC) is a state agency that regulates investor-owned utilities providing telecommunications, electric, natural gas, water, railroad, rail transit, and passenger transportation services and in-state moving companies. The CPUC is responsible for ensuring that California utility customers have safe, reliable utility services at reasonable rates, while protecting utility customers from fraud. The CPUC regulates the planning and approval for the physical construction of electric generation, transmission, or distribution facilities, and local distribution pipelines of natural gas.

California Energy Code

New buildings in California must comply with the California Energy Code (Title 24, Part 6; California's Energy Efficiency Standards). These efficiency standards apply to new construction of both residential and nonresidential buildings (e.g., maintenance buildings and pump station buildings associated with the Project), and address energy consumed for heating, cooling, ventilation, water heating, and lighting. The building efficiency standards are enforced through the local building permit processes, and local jurisdictions may adopt and enforce energy standards for new buildings provided that these standards meet or exceed those provided in Title 24.

Warren-Alquist Energy Resources Conservation and Development Act

Initially passed in 1974 and amended since, the Warren-Alquist Energy Resources Conservation and Development Act (Warren-Alquist Act) created the CEC, California's primary energy and planning agency. The seven responsibilities of the CEC are forecasting future energy needs, promoting energy efficiency and conservation through setting standards, supporting energy-related research, developing renewable energy resources, advancing alternative and renewable transportation fuels and technologies, certifying thermal power plants 50 megawatts or larger, and planning for and directing state response to energy emergencies. The CEC regulates energy resources by encouraging and coordinating research into energy supply and demand problems to reduce the rate of growth of energy consumption. Additionally, the Warren-Alquist Act acknowledges the need for renewable energy resources and encourages the CEC to explore renewable energy options that would be in line with environmental and public safety goals (Warren-Alquist Act PRC Section 25000 et seq.)

California Integrated Energy Policy

SB 1389 requires the CEC to "conduct assessments and forecasts of all aspects of energy industry supply, production, transportation, delivery and distribution, demand, and prices. The Energy Commission shall use these assessments and forecasts to develop energy policies that conserve resources, protect the environment, ensure energy reliability, enhance the state's economy, and protect public health and safety." (PRC Section 25301(a)). The CEC adopts an Integrated Energy Policy Report every two years and an update every other year. The most recent version is the 2022 Integrated Energy Policy Report Update (CEC 2022).

Senate Bill 1078 – Renewable Electricity Standards

SB 1078 (September 12, 2002) required California to generate 20 percent of its electricity from renewable energy by 2017. SB 107 changed the due date to 2010 instead of 2017. On November 17, 2008, the governor signed EO S-14-08, which established the Renewable Portfolio Standard (RPS) target for California requiring that all retail sellers of electricity serve 33 percent of their load with renewable energy by 2020. EO S-21-09 directed CARB to adopt a regulation by July 31, 2010, requiring the state's load serving entities to meet a 33 percent renewable energy target by 2020. CARB approved the Renewable Electricity Standard on September 23, 2010, by Resolution 10-23. In 2011, the state legislature adopted this higher standard in SB X1-2. Renewable sources of electricity include wind, small hydropower, solar, geothermal, biomass, and biogas.

California Renewables Portfolio Standard

California's RPS was initially established in 2002 and has been accelerated over the past several years. SB 350, enacted in 2015, directs California utilities to further increase the amount of renewable energy delivered to customers to 50 percent by 2030. Most recently, SB 100, enacted in 2018, increased the RPS to 60 percent by 2030 and requires all electricity to come from carbon-free sources by 2045 (CPUC 2024).

CPUC implements and administers RPS compliance rules for California's retail sellers of electricity, which include large and small investor-owned utilities, publicly owned utilities, electric service providers, and community choice aggregators. The CEC is responsible for the certification of electrical generation facilities as eligible renewable energy resources and adopting regulations for the enforcement of RPS procurement requirements of public owned utilities.

4.2.3 LOCAL

Envision San José 2040 General Plan

Policies in the General Plan have been adopted for the purpose of avoiding or mitigating energy impacts from projects. The following policies are applicable to the Project (City of San José 2024):

- **Goal MS-1:** Green Building Policy Leadership. Demonstrate San José's commitment to local and global Environmental Leadership through progressive use of green building policies, practices, and technologies to achieve 100 million square feet of new or retrofitted green buildings by 2040.
    - **Policy MS-1.1:** Continue to demonstrate leadership in the development and implementation of green building policies and practices. Ensure that all projects are consistent with and/or exceed the City's Green Building Ordinance and City Council Policies as well as state or regional policies which require that projects incorporate various green building principles into their design and construction.
- **Goal MS-2:** Energy Conservation and Renewable Energy Use. Maximize the use of green building practices in new and existing development to maximize energy efficiency and conservation and to maximize the use of renewable energy sources.



- **Policy MS-2.2:** Encourage maximized use of on-site generation of renewable energy for all new and existing buildings.
- **Policy MS-2.3:** Utilize solar orientation, (i.e., building placement), landscaping, design, and construction techniques for new construction to minimize energy consumption.
- **Policy MS-2.4**: Promote energy efficient construction industry practices.
- **Policy MS-2.7:** Encourage the installation of solar panels or other clean energy power generation sources over parking areas.
- **Policy MS-2.11:** Require new development to incorporate green building practices, including those required by the Green Building Ordinance. Specifically target reduced energy use through construction techniques (e.g., design of building envelopes and systems to maximize energy performance), through architectural design (e.g. design to maximize cross ventilation and interior daylight) and through site design techniques (e.g. orienting buildings on sites to maximize the effectiveness of passive solar design).

San José Municipal Code

The City's Municipal Code includes regulations associated with energy efficiency and energy use. City regulations include a Green Building Ordinance (Chapter 17.84) to foster practices to minimize the use and waste of energy, water and other resources in the City of San José, Water Efficient Landscape Standards for New and Rehabilitated Landscaping (Chapter 15.10), requirements for Transportation Demand Programs for employers with more than 100 employees (Chapter 11.105), and a Construction and Demolition Diversion Deposit Program that fosters recycling of construction and demolition materials (Chapter 9.10).

5 Methodologies and Thresholds

The following discussion explains the modeling parameters and assumptions that will be used to evaluate air quality and GHG emissions, health risk, and energy demand for construction and operations of the Project.

5.1 Criteria Pollutant and GHG Emission Methodology

The California Emissions Estimator Model (CalEEMod) is a statewide land use emissions computer model designed to provide a uniform platform for government agencies, land use planners, and environmental professionals to quantify potential criteria pollutant and GHG emissions associated with both construction and operations from a variety of land use projects. CalEEMod quantifies direct GHG emissions, such as construction and operational activities and vehicle use, and indirect emissions, such as energy use, solid waste disposal, vegetation planting and/or removal, and water use. Further, CalEEMod identifies mitigation measures to reduce criteria pollutant and GHG emissions along with calculating the benefits achieved from measures chosen by the user. CalEEMod assigns default modeling inputs to each project based on the land use size and land use type. Each default value should be overridden when project-specific information is known.

CalEEMod was developed for the California Air Pollution Control Officers Association in collaboration with the California Air Districts. Default data (e.g., emission factors, trip lengths, meteorology, source inventory) have been provided by the various California Air Districts to account for local requirements and conditions. CalEEMod is a comprehensive tool for quantifying air quality impacts from land use projects located throughout California. The model can be used for a variety of situations where an air quality analysis is necessary or desirable, such as preparing CEQA or National Environmental Policy Act documents, conducting pre-project planning, and, verifying compliance with local air quality rules and regulations, etc.

The Project site is currently developed as a convenience market, operations of which results in air quality and GHG emissions. Therefore, this analysis considers the net change in emissions that would occur with implementation of the Project. CalEEMod version 2022.1.1.26 was used to estimate construction and operational emissions of the Project, as well as the operational emissions that occur under existing conditions.

5.1.1 CALEEMOD MODELING ASSUMPTIONS

Construction of the Project was modeled to commence in June 2025 and conclude in December 2026, resulting in a construction duration of approximately 18 months. During demolition, 770 tons of debris, including building material and USTs, would be removed from the site. During site preparation, approximately 115 CY of material would be imported to the site, and approximately 650 CY would be exported. Vendor and hauling trips were left as default values. Worker trip rates were adjusted to reflect the anticipated maximum of 15 workers per day during peak construction activities. The construction equipment used per construction activity was left as default values.

Consistent with the Local Transportation Analysis Report prepared by TJKM, the Project would generate 745 vehicle trips per day (TJKM 2024). CalEEMod modeling assigns operational, mobile source trips as primary, pass-by, or diverted. The Local Transportation Analysis Report accounts for the trip reduction from pass-by trips. As a result, within CalEEMod, all trip types were assigned as primary.. Vehicle trip lengths and fleet mix were left as default values, although additional heavy-duty truck trips were included to represent food, beverage, and fuel delivery trips. Outdoor water use was left as a default value, and indoor water use was updated to reflect water demand from the proposed car wash. Operational emissions from all sources were estimated at full buildout of the Project, which is anticipated to occur in 2027.

To model the existing conditions, the current land uses were input into CalEEMod. The vehicle trip generation rates were updated based on the Local Transportation Analysis Report prepared for the Project (TJKM 2024), and all trip types were set to “primary”. According to the Local Transportation Analysis Report, the existing site generates 418 trips per day. Vehicle trip rates, trip lengths, fleet mix, water use, and all other metrics were left as default values. To provide an appropriate comparison to Project emissions, the operational year was also set to 2027.

5.2 Health Risk Assessment Methods

An air dispersion model is a mathematical formulation used to estimate the air quality impacts at specific locations (receptors) surrounding a source of emissions given the rate of emissions and prevailing meteorological conditions. This assessment relied on the USEPA’s AMS/EPA Regulatory Model



(AERMOD) Version 23132 air dispersion model applied in the Lakes Software AERMOD View Version 12.0.0 interface. The AERMOD model was used to estimate the concentration of TACs at sensitive receptor locations from potential sources of project generated TACs. The AERMOD model provides a refined methodology for estimating health impacts by utilizing long-term, measured representative meteorological data for the Project site.

The modeling analysis considers the spatial distribution and elevation of each emitting source in relation to the sensitive receptors. Direction-dependent calculations were obtained by identifying the Universal Transverse Mercator (UTM) coordinates for each source location. Terrain elevations were obtained for the Project site using the AERMAP model, which is the AERMOD terrain data pre-processor. The air dispersion model assessment used meteorological data recorded from the San José International Airport, which is located approximately 6 miles northwest of the Project site. The meteorological data used was preprocessed for use with AERMOD and included data for the year 2017.

Consistent with BAAQMD guidance, the modeling accounted for all receptor locations within 1,000 feet of the Project site, and a flagpole height of 1.5 meters was used for all residential and worker receptors (BAAQMD 2022c).

After using AERMOD to determine the concentration of TACs at sensitive receptor locations, the associated health risks were calculated using the CARB's Hotspot Analysis Reporting Program Version 2 (HARP 2) Risk Assessment Standalone Tool (RAST), which calculates the cancer and non-cancer health impacts using the OEHHA's Guidance Manual for Preparation of Health Risk Assessments (OEHHA 2015).

5.2.1 MODELING ASSUMPTIONS

Construction Health Risk Assessment

For construction, DPM is the TAC of greatest concern. PM_{10} exhaust emissions were used as a proxy for DPM emissions to prepare the construction health risk assessment (HRA). The PM_{10} emissions from construction were determined using the results of the CalEEMod modeling conducted for the Project. Construction emissions were modeled as a series of adjacent volume sources distributed over the Project site (South Coast Air Quality Management District [SCAQMD] 2008). To determine health risks, the concentration of PM_{10} was determined at the maximally exposed residential receptor and the maximally exposed worker receptor. For the residential receptor, and consistent OEHHA guidance, exposure was assumed to occur during the third trimester, infant, and a portion of the child stages of life. For the worker receptor, exposure was assumed to begin at age 16. The exposure period was set to the 18-month (1.5-year) construction period. Detailed parameters and complete calculations are contained in Appendix B.

Operational Health Risk Assessment

During Project operations, exposure to TACs may occur from the use of heavy-duty diesel trucks delivering materials to the site, and from operations of the proposed GDF. Both sources were considered in the operational HRA.

The net increase in concentration of TACs from operation of the GDF at the maximally exposed residential receptor and maximally exposed worker receptor were determined using AERMOD. Emissions



from UST tank loading and tank breathing were applied as point sources, and refueling and spillage emissions were applied as volume sources. The source parameters were based on the CARB's *Gasoline Service Station Industrywide Risk Assessment Technical Guidance* (CARB 2022c). Potential risks related to the exposure of receptors to benzene, ethyl benzene, toluene, and xylene were considered. The unitized emission rate and summation concept was applied (San Joaquin Valley Air Pollution Control District [SJVAPCD] 2006).

Heavy-duty diesel trucks would generate DPM, exhaust PM_{10} (used as a proxy for DPM) emissions were calculated using emission factors derived from EMFAC2021. The emissions from heavy-duty diesel trucks travelling along the segment of Tully Road from the Project site to Highway 101 were applied in AERMOD as a line volume. Truck idling emissions were applied in AERMOD as a polygon area source. All source parameters were consistent with those recommended by the BAAQMD (BAAQMD 2022c)

The health risk associated with exposure to TACs from the operational sources of emissions was calculated over 30 years for the maximally exposed residential receptors and over 25 years for the maximally exposed worker receptor. Detailed parameters and complete calculations are contained in Appendix B.

5.3 Energy Calculation Methods

Project energy demand during construction and operations was determined based on the modeling that was conducted for the Project using CalEEMod and using vehicle and equipment emission factors from the CARB's EMFAC2021 (v1.0.2) and EMFAC OFFROAD2021 (v1.0.4).

6 Air Quality Impact Analysis

This section calculates the expected emissions from construction and operation of the Project as a necessary requisite for assessing the regulatory significance of Project emissions on a regional and localized level.

6.1 California Environmental Quality Act Guidelines

According to the CEQA Guidelines Appendix G Environmental Checklist, the following questions are analyzed and evaluated to determine whether a project would result in significant impacts to air quality. Where available, the significance criteria established by the applicable air quality management or air pollution district may be relied upon to make the following determinations.

Would the project:

a. Conflict with or obstruct implementation of the applicable air quality plan?

b. Result in a cumulatively considerable net increase of any criteria pollutant for which the project region is non-attainment under an applicable federal or state ambient air quality standard?

c. Expose sensitive receptors to substantial pollutant concentrations?

d. Result in other emissions (such as those leading to odors) affecting a substantial number of people?

This section discusses potential impacts concerning air quality associated with the Project and provides mitigation measures where necessary.

6.2 Thresholds of Significance

While the final determination of whether a project is significant is within the purview of the lead agency pursuant to Section 15064(b) of the CEQA Guidelines, the BAAQMD has adopted CEQA thresholds of significance for individual development projects, which establish maximum allowable emissions for ROG, NO_X, PM_{10}, and $PM_{2.5}$ (BAAQMD 2022a). If the lead agency finds that the project has the potential to exceed these air pollution thresholds, the project should be considered to have significant air quality impacts. The BAAQMD thresholds are presented in

Table 3.

Table 3. BAAQMD Criteria Pollutant Thresholds of Significance

Pollutant	Construction	Operational	
	Average Daily Emissions (lbs/day)	Maximum Annual Emissions (tpy)	Average Daily Emissions (lbs/day)
ROG	54	10	54
NOx	54	10	54
PM_{10}	82	15	82
$PM_{2.5}$	54	10	54

Note: Construction particulate matter thresholds only account for exhaust particulate matter emissions.
Source: BAAQMD 2022a.

According to the BAAQMD, a project would result in a significant impact if it would individually expose sensitive receptors to TACs resulting in an increased cancer risk greater than 10.0 in 1 million, an increased non-cancer risk of greater than 1.0 on the hazard index (chronic or acute), or an annual average ambient $PM_{2.5}$ increase greater than 0.3 micrograms per cubic meter ($\mu g/m^3$).

6.3 Impact Analysis

IMPACT AIR-1 Conflict with or obstruct implementation of the applicable air quality plan?

Impact Analysis

Air districts are required to prepared air quality plans to identify strategies to bring regional emissions into compliance with federal and state air quality standards. Air districts establish emissions thresholds for individual projects to demonstrate the point at which a project would be considered to increase the air quality violations. A project would conflict with the applicable air quality plan if they exceeded any emissions thresholds for which the region is in nonattainment.

As noted previously, the BAAQMD region is designated as nonattainment for federal and state ozone and $PM_{2.5}$ as well as state PM_{10}. Accordingly, the BAAQMD has prepared air quality plans, including the 2017 Clean Air Plan, to achieve attainment of the applicable ozone and PM standards. The BAAQMD's



adopted thresholds of significance indicate the levels of emissions that projects may emit while the region still moves towards attainments of the CAAQS and NAAQS. Projects that exceed thresholds would be considered to conflict with the 2017 Clean Air Plan.

As described under Impact AIR-2, implementation of the Project would not result in net new emissions that exceed the thresholds established by the BAAQMD. As a result, the Project would not conflict with or obstruct implementation of the applicable air quality plan.

IMPACT AIR-2 Result in a cumulatively considerable net increase of any criteria pollutant for which the project region is non-attainment under an applicable federal or state ambient air quality standard?

Impact Analysis

In developing thresholds of significance for air pollutants, the BAAQMD considered the emission levels for which a project's individual emissions would be cumulatively considerable. If a project exceeds the identified significance thresholds, its emissions would be cumulatively considerable, resulting in significant adverse air quality impacts to the region's existing air quality conditions.

Construction Emissions

The Project's estimated construction emissions are provided in Table 4 and show construction of the Project would not result in emissions that exceed BAAQMD thresholds.

Table 4. Construction Criteria Pollutant Emissions

Year	Average Daily Emissions (lbs/day)			
	ROG	NOx	PM_{10}	$PM_{2.5}$
2025	0.28	2.51	0.32	0.14
2026	0.61	2.94	0.25	0.14
BAAQMD Thresholds	**54**	**54**	**82**	**54**
Exceed BAAQMD Thresholds?	***No***	***No***	***No***	***No***

Note: BAAQMD thresholds for PM_{10} and $PM_{2.5}$ are intended for exhaust emissions only. The emissions presented above include total particulate matter (exhaust emissions and fugitive emissions) and are therefore a conservative estimate.
Source: Appendix A.

Operational Emissions

The Project would include redevelopment of the existing 76 gas station and convenience store with a new gas station and associated services. As noted in Section 5, Methodologies and Thresholds, this analysis

considers the net change in emissions that would occur from implementation of the Project as compared to the emissions that occur under existing conditions.

Table **5** presents the estimated criteria pollutant emissions that occur under existing conditions. Table 6 presents the estimated criteria pollutant emissions that would occur under the Project, as well as the net change in emissions from implementation of the Project. As shown therein, the net increase in emissions associated with implementation of the Project would not exceed the BAAQMD's thresholds of significance.

Table 5. Operational Criteria Pollutant Emissions – Existing Conditions

Source	Emissions			
	ROG	**NOx**	**PM_{10}**	**$PM_{2.5}$**
Mobile	1.17	0.87	1.99	0.51
Area	0.1	<0.01	<0.01	<0.01
Energy	<0.01	0.03	<0.01	<0.01
Existing Total Average Daily (lbs/day)	*1.27*	*0.89*	*1.99*	*0.52*
Existing Total Annual (tons/year)	*0.23*	*0.16*	*0.36*	*0.09*

Source: Appendix A.

Table 6. Operational Criteria Pollutant Emissions – Proposed Project

Source	Emissions			
	ROG	**NOx**	**PM_{10}**	**$PM_{2.5}$**
Daily Emissions (lbs/day)				
Mobile	2.09	1.59	3.56	0.92
Area	0.23	<0.01	<0.01	<0.01
Energy	<0.01	0.06	<0.01	<0.01
Project Total Average Daily	*2.32*	*1.65*	*3.56*	*0.92*
Existing Total Average Daily	*(1.27)*	*(0.89)*	*(1.99)*	*(0.52)*
Net Change in Average Daily Emissions	*1.05*	*0.76*	*1.57*	*0.4*
BAAQMD Average Daily Thresholds	**54**	**54**	**82**	**54**
Exceed BAAQMD Thresholds?	***No***	***No***	***No***	***No***
Annual Emissions (tons/year)				
Project Total Annual	*0.42*	*0.3*	*0.65*	*0.17*
Existing Total Annual	*0.23*	*0.16*	*0.36*	*0.09*
Net Change in Total Annual Emissions	*0.19*	*0.14*	*0.29*	*0.08*
BAAQMD Annual Thresholds	**10**	**10**	**15**	**10**
Exceed BAAQMD Thresholds?	***No***	***No***	***No***	***No***

Source: Appendix A.



Conclusion

Based on the analysis above, neither Project construction nor operation would not result in a cumulatively considerable net increase of any criteria pollutant for which the region is non-attainment under an applicable federal or state ambient air quality standard. Therefore, the impact would be less than significant.

IMPACT AIR-3 Expose sensitive receptors to substantial pollutant concentrations?

Impact Analysis

This discussion addresses whether the Project would expose sensitive receptors to TACs during construction or operations. According to CARB, some land uses are considered more sensitive to air pollution than others due to the types of population groups or activities involved. Heightened sensitivity may be caused by health problems, proximity to the emissions source, or duration of exposure to air pollutants. Children, pregnant women, the elderly, and those with existing health problems are especially vulnerable to the effects of air pollution. Accordingly, land uses that are typically considered to be sensitive receptors include residences, schools, childcare centers, playgrounds, retirement homes, convalescent homes, hospitals, and medical clinics. The nearest sensitive receptors to the Project site include the residential units to the east of the site, along Danforth Court, and residential units to the south, across McLaughlin Avenue. In addition, the church located north of the site, across Tully Road, includes a children's daycare facility. There are no schools within 1,000 feet of the Project site.

Construction Emissions

During construction associated with the Project, the potential exists for emissions of fugitive dust, asbestos, and DPM to be released. Each TAC is discussed separately below.

Fugitive Dust

Fugitive dust would be generated from demolition, site grading, and other earth-moving activities. Most of this fugitive dust would remain localized and would be deposited near the Project site. All construction projects within the jurisdiction of the BAAQMD must implement the BAAQMD's Basic BMPs for Construction-Related Fugitive Dust Emissions, which requires watering exposed surfaces twice per day and covering haul truck loads, among other requirements (BAAQMD 2022a). The Project's required implementation of the BAAQMD's Basic BMPs for Construction-Related Fugitive Dust Emissions, as well as compliance with Regulation 6, Particulate Matter and Visible Emissions, would minimize construction-related fugitive dust emissions.

Asbestos

Construction in areas of rock formations that contain NOA could release asbestos to the air and pose a health hazard. BAAQMD enforces CARB's air toxic control measures at sites that contain ultramafic rock. The Air Toxic Control Measures for Construction, Grading, Quarrying and Surface Mining Operations were signed into state law on July 22, 2002, and became effective in November 2002. The purpose of this regulation is to reduce public exposure to NOA. A review of the map with areas more likely to have rock



formations containing NOA in California indicates that there is no asbestos in the immediate Project area (California Department of Conservation 2024). Therefore, construction of the Project would not expose sensitive receptors to NOA.

Exposure to asbestos can occur during demolition or remodeling of buildings constructed prior to 1977, when it was banned for use in buildings. It is assumed that the existing on-site structures were constructed after 1977 and, as a result, do not have the potential to include ACBMs. Nevertheless, the Project would be subject to BAAQMD Regulation 11 Rule 2, Asbestos Demolition, Renovation and Manufacturing, which is intended to control the emissions of asbestos during demolition activities and establish appropriate waste disposal procedures. The Project would be subject to the measures listed in Section 11-2-303 of the rule, including conducting an asbestos survey and implementing asbestos reduction measures during demolition, if determined to be necessary (BAAQMD 1998). Compliance with BAAQMD Regulation 11 Rule 2 would ensure that sensitive receptors are not exposed to asbestos, and the impact would be less than significant.

Diesel Particulate Matter

Exposure to DPM from diesel vehicles and off-road construction equipment can result in health risks to nearby sensitive receptors. A HRA was prepared for the Project to assess potential health impacts to the maximum exposed individual residential receptor, located approximately 150 feet east of the Project site, and the maximum exposed individual worker receptor, located approximately 30 feet northeast of the Project site boundary, from DPM generated on-site during Project construction. Results of the analysis are presented in Table 7.

Table 7. Unmitigated Health Risk from Project Construction

Receptor	Cancer Risk Per Million	Chronic Inhalation Hazard Index	Average Annual Increase in $PM_{2.5}$ Concentration ($\mu g/m^3$)[1]
Residential	14.45	0.013	0.07
Worker	0.58	0.030	0.15
BAAQMD Thresholds	**10.0**	**1.0**	**0.30**
Exceed BAAQMD Thresholds?	***Yes***	***No***	***No***

Notes:

[1] PM_{10} concentration used as a proxy for $PM_{2.5}$.

Source: Appendix B

As shown in the table, construction of the Project could expose residential receptors to an increase in cancer risk that would exceed the applicable threshold of significance. The Project would implement Mitigation Measure AQ-1 (MM AQ-1) that would require the project to utilize Tier 4 construction equipment. Implementation of MM AQ-1 would reduce the cancer risk posed to nearby sensitive receptors to less than significant levels as summarized in Table 8.

Table 8. Mitigated Health Risk from Project Construction

Receptor	Cancer Risk Per Million	Chronic Inhalation Hazard Index	Average Annual Increase in $PM_{2.5}$ Concentration ($\mu g/m^3$)[1]
Residential	4.47	0.004	0.02
Worker	0.18	0.009	0.05
BAAQMD Thresholds	**10.0**	**1.0**	**0.30**
Exceed BAAQMD Thresholds?	***No***	***No***	***No***

Notes:

[1] PM_{10} concentration used as a proxy for $PM_{2.5}$.

Source: Appendix B

Operational Emissions

Potential TACs that may be emitted during Project operations, including carbon monoxide, DPM from heavy trucks, and TAC emissions from GDF operations, are discussed below.

Carbon Monoxide

With regard to localized CO emissions, according to BAAQMD, a project would have to increase traffic volumes at a single intersection to more than 44,000 vehicles per hour, or to more than 24,000 vehicles per hour in areas where vertical or horizontal mixing is limited, in order to generate a significant CO impact. Areas where vertical or horizontal mixing is limited, such as tunnels or canyons, are not present in the Project area. Based on the Local Transportation Analysis Report, the existing peak hour traffic volumes at intersections in the Project vicinity reach a maximum of 7,016 vehicles per hour (TJKM 2024). The anticipated net increase of 329 daily trips associated with implementation of the Project would not be sufficient to increase traffic volumes at any nearby intersection to more than 44,000 vehicles per hour. As a result, vehicle trips associated with Project operations would not exceed the screening criteria of BAAQMD and the Project would not be expected to result in substantial levels of localized CO at surrounding intersections or generate localized concentrations of CO that would exceed standards or cause health hazards.

DPM and Gasoline Vapor

Operations of the Project would result in TAC emissions associated with heavy-duty diesel truck trips and with operations of the GDF. Heavy-duty diesel trucks would regularly visit the site for material and fuel deliveries. In addition, GDF operations result in emissions of various TACs, including benzene, toluene, ethyl benzene, and xylene. As noted, the Project site is currently developed with a gas station. Therefore, this operational HRA only considers impacts from the net increase in gas throughput that would occur as a result of the Project. The results of the operational HRA, which includes risks from exposure to DPM from trucks and GDF operations, are presented in

Table 9.

Table 9. Unmitigated Health Risk from Project Operations

Receptor	Cancer Risk Per Million	Chronic Inhalation Hazard Index	Average Annual Increase in $PM_{2.5}$ Concentration ($\mu g/m^3$)[1]
Residential	1.99	0.034	0.00008
Worker	0.534	0.099	0.00028
BAAQMD Thresholds	**10.0**	**1.0**	**0.30**
Exceed BAAQMD Thresholds?	***No***	***No***	***No***

Source: Appendix B

As shown above, the unmitigated health risk from Project operations would not exceed any of the BAAQMD's thresholds of significance for the maximum exposed residential receptor or the maximally exposed worker receptor.

Cumulative Health Risks

The BAAQMD maintains a database of information for all permitted stationary sources within their jurisdiction through their Stationary Source Screening Map (BAAQMD 2024b). Three other gas stations are located within 1,000 feet of the Project site. This cumulative analysis sums all sources of emissions within 1,000 feet of the Project site. The cumulative cancer risk, chronic hazard index, and $PM_{2.5}$ concentrations at the maximally exposed residential receptor location are shown in Table 10. As shown in the table, the total carcinogenic risk and hazard index would be below the BAAQMD's cumulative threshold for each metric, and no impact would occur.

Table 10. Cumulative Health Risk Summary

Source	Cancer Risk Per Million	Chronic Inhalation Hazard Index	Average Annual Increase in $PM_{2.5}$ Concentration ($\mu g/m^3$)[1]
Chevron #9-2780	3.51	0.015	0
Tully AM/PM	8.54	0.037	0
Tully Valero	9.57	0.042	0
Project (Mitigated Construction and Operation, Residential)	6.46	0.034	0.02
Total	*28.08*	*0.128*	*0.02*
BAAQMD Thresholds	**100.0**	**10.0**	**0.80**
Exceed BAAQMD Thresholds?	***No***	***No***	***No***

Note: The chronic inhalation hazard index and PM2.5 concentration pulled from more conservative estimates in Tables 8 and 9. The cancer risks from each gas station account for distance multipliers provided by BAAQMD.

Source: Appendix B

Conclusion

During operations, the Project would not expose sensitive receptors to substantial pollutant concentrations. With implementation of MM AQ-1, construction of the Project would not expose sensitive receptors to substantial pollutant concentrations. The impact would be less than significant with mitigation.

Mitigation Measures

MM AQ-1 **Minimize Exhaust Emissions.** Exhaust emissions shall be minimized during construction activities with the use of off-road equipment engines that meet or exceed CARB's Tier 4 engine emissions standards for off-road equipment exceeding 50 horsepower (hp). At a minimum, all construction equipment shall be certified as compliant with the Tier 4 engine emissions standards as provided in CCR, Title 13, section 2423(b)(1)(B). Engines can achieve these standards through the use of late model engines, low-emission diesel products, alternative fuels, engine retrofit technology, after-treatment products, add-on devices such as particulate filters, or other options as they become available.

IMPACT AIR-4 Result in other emissions (such as those leading to odors) affecting a substantial number of people?

Impact Analysis

While offensive odors rarely cause any physical harm, they can still be unpleasant, leading to distress among the public and often generating citizen complaints to local governments and BAAQMD. The occurrence and severity of odor impacts depends on numerous factors, including nature, frequency, and intensity of the source, the wind speed and direction, and the sensitivity of the receptor. The nearest receptors to the Project site include the residences located south of the Project site.

Construction activities associated with the Project could result in short-term odorous emissions from diesel exhaust associated with diesel-fueled equipment. However, these emissions would be intermittent and would dissipate rapidly from the source. Project construction would also be required to comply with all applicable CARB and BAAQMD rules and regulations, particularly associated with permitting of air pollutant sources. Compliance with the aforementioned regulations would help to minimize emissions, including emissions leading to odors.

Land uses typically considered as associated with the production of odors during operations include wastewater treatment facilities, waste disposal facilities, and agricultural operations. The Project does not include any of the foregoing land uses that are typically associated with emitting objectionable odors. The proposed project would include a GDF, which could generate odorous emissions. However, the Project site operates as a GDF under existing conditions. The increase in fuel throughput anticipated with implementation of the Project would not result in a notable increase in odor emissions compared to the environmental baseline. Additionally, the proposed gas pumps are required to include vapor-recovery systems, which limit the release of gasoline vapors during vehicle refueling. Therefore, installation of the new gas pumps would not result in emissions of odors that would adversely affect the nearest receptors.

Finally, BAAQMD regulates objectionable odors through Regulation 7, Odorous Substances, which does not become applicable until the Air Pollution Control Officer (APCO) receives odor complaints from ten or more complainants within a 90-day period. Once effective, Regulation 7 places general limitation on odorous substances and specific emission limitations on certain odorous compounds, which remain effective until such time that citizen complaints have not been received by the APCO for one year. The limits of Regulation 7 become applicable again when the APCO receives odor complaints from five or more complainants within a 90-day period (BAAQMD 1982). Thus, although not anticipated, if odor



complaints are made after the Project is developed, the BAAQMD would ensure that such odors are addressed, and any potential odor effects are minimized or eliminated.

Conclusion

The Project would not result in other emissions, such as those leading to odors, affecting a substantial number of people. Therefore, the impact would be less than significant.

7 Greenhouse Gas Impact Analysis

7.1 California Environmental Quality Act Guidelines

The CEQA Guidelines define a significant effect on the environment as “a substantial, or potentially substantial, adverse change in the environment.” To determine whether a project would have a significant impact on GHGs, the type, level, and impact of emissions generated by the project must be evaluated. The following GHG significance thresholds are contained in CEQA Guidelines Appendix G.

Would the project:

a. Generate greenhouse gas emissions, either directly or indirectly, that may have a significant impact on the environment; or

b. Conflict with any applicable plan, policy or regulation of an agency adopted for the purpose of reducing the emissions of greenhouse gases.

This section discusses potential impacts concerning GHGs associated with the Project and provides mitigation measures where necessary.

7.2 Thresholds of Significance

In April 2022, the BAAQMD Board of Directors adopted the CEQA Thresholds for Evaluating the Significance of Climate Impacts from Land Use Projects and Plans, which updated the BAAQMD’s previous guidance related to evaluating GHG emissions to address the most recent climate legislation.

Because construction emissions are temporary and variable, the BAAQMD has not developed a quantitative threshold of significance for construction related GHG emissions. However, BAAQMD recommends that construction related GHG emissions should still be quantified and disclosed in environmental documents.

For land use projects, the BAAQMD considers a project to have a less-than-significant impact related to GHG emissions if it either (1) meets specific project design elements, or (2) is consistent with a local GHG reductions strategy that meets the requirements of CEQA Guidelines Section 15183.5(b) (BAAQMD 2022b). The City of San José’s 2030 GHGRS is a qualified Climate Action Plan that meets the requirements established in CEQA Guidelines Section 15183.5(b). Therefore, this analysis relies on Project consistency with the 2030 GHGRS to determine impacts.



7.3 Impact Analysis

IMPACT GHG-1 Generate greenhouse gas emissions, either directly or indirectly, that may have a significant impact on the environment?

Impact Analysis

As noted previously, the applicable threshold for the significance of GHG emissions is Project consistency with the City's 2030 GHGRS. However, the following GHG emissions inventories are provided for informational purposes.

Construction Emissions

Construction GHGs would be emitted by the off-road construction equipment and vehicle travel by workers and material deliveries to the Project site. The estimated construction GHG emissions are shown in Table 11.

Table 11. Construction Greenhouse Gas Emissions

Construction Year	Emissions ($MTCO_2e$)
2025	103.94
2026	149.27
Total	*253.21*

Source: Appendix A.

Operational Emissions

This analysis considers the net change in emissions that would occur from implementation of the Project as compared to the emissions that occur under existing conditions. Table 12 presents the estimated GHG emissions that occur under existing conditions. Table 13 presents the estimated GHG emissions that would occur under the Project, as well as the net change in emissions from implementation of the Project.

Table 12. Operational Greenhouse Gas Emissions – Existing Conditions

Source	Emissions ($MTCO_2e$ per year)
Mobile	344.95
Area	0.05
Energy	24.14
Water	0.12
Waste	0.79
Refrigerants	119.96
Existing Total	*490.01*

Source: Appendix A.

Table 13. Operational Greenhouse Gas Emissions – Proposed Project

Source	Emissions ($MTCO_2e$ per year)
Mobile	619.66
Area	0.12
Energy	53.91
Water	3.89
Waste	0.53
Refrigerants	283.31
Project Total	*961.42*
Existing Total	(490.01)
Net Change in Annual GHG Emissions	***471.41***

Source: Appendix A.

Consistency with 2030 GHGRS

The City's 2030 GHGRS describes the measures that are required for the City to achieve its share of the state's GHG emissions reductions to comply with SB 32. The City's GHGRS includes strategies focused on green building, renewable energy, transportation and land use, education, and waste management.

Pursuant to CEQA Guidelines Sections 15064(h)(3), 15130(d), and 15183(b), a project's incremental contribution to a cumulative GHG emissions effect may be determined not to be cumulatively considerable if it complies with the requirements of the GHGRS. The 2030 GHGRS includes a compliance checklist, which must be completed to demonstrate conformance with the measures. Projects must complete Section A, General Plan Policy Conformance, and Section B, Greenhouse Gas Reduction Strategies (City of San José 2020b). Project consistency with both sections included in the 2030 GHGRS project compliance checklist is evaluated in Table 14 and Table 15, below.

Table 14. Project Compliance with General Plan GHG Reduction Measures (Table A)

General Plan Measure	Project Conformance
1) Consistency with the Land Use/Transportation Diagram (Land Use and Density)	
Is the proposed Project consistent with the Land Use/Transportation Diagram?	**Consistent**. The Project would be consistent with the existing land use designation of Neighborhood/Community Commercial. The Neighborhood/ Community Commercial designation is intended to support a broad range of commercial uses that serve the communities in neighboring areas, such as neighborhood serving retail services and commercial/professional office development.
2) Implementation of Green Building Measures	
MS-2.2: Encourage maximized use of on-site generation of renewable energy for all new and existing buildings.	**Consistent.** The proposed fuel canopy would be designed to be solar ready.
MS-2.3: Encourage consideration of solar orientation, including building placement, landscaping, design and	**Consistent**. The Project would be constructed in compliance with the City's Green Building Ordinance and the California Green Building Standard

General Plan Measure	Project Conformance
construction techniques for new construction to minimize energy consumption.	(CALGreen). The proposed fuel canopy would be designed to be solar ready.
MS-2.7: Encourage the installation of solar panels or other clean energy power generation sources over parking areas.	**Consistent.** The proposed fuel canopy would be designed to be solar ready.
MS-2.11: Require new development to incorporate green building practices, including those required by the Green Building Ordinance. Specifically, target reduced energy use through construction techniques (e.g., design of building envelopes and systems to maximize energy performance), through architectural design (e.g., design to maximize cross ventilation and interior daylight) and through site design techniques (e.g., orienting buildings on sites to maximize the effectiveness of passive solar design).	**Consistent**. The Project would be constructed in compliance with the City's Green Building Ordinance and CALGreen.
MS-16.2: Promote neighborhood-based distributed clean/renewable energy generation to improve local energy security and to reduce the amount of energy wasted in transmitting electricity over long distances.	**Consistent.** The proposed fuel canopy would be designed to be solar ready.
3) Pedestrian, Bicycle & Transit Site Design Measures	
CD-2.1: Promote the Circulation Goals and Policies in the Envision San José 2040 General Plan. Create streets that promote pedestrian and bicycle transportation by following applicable goals and policies in the Circulation section of the Envision San José 2040 General Plan. a) Design the street network for its safe shared use by pedestrians, bicyclists, and vehicles. Include elements that increase driver awareness. b) Create a comfortable and safe pedestrian environment by implementing wider sidewalks, shade structures, attractive street furniture, street trees, reduced traffic speeds, pedestrian-oriented lighting, mid-block pedestrian crossings, pedestrian activated crossing lights, bulb-outs and curb extensions at intersections, and on street parking that buffers pedestrians from vehicles. c) Consider support for reduced parking requirements, alternative parking arrangements, and Transportation Demand Management strategies to reduce area dedicated to parking and increase area dedicated to employment, housing, parks, public art, or other amenities. Encourage de-coupled parking to ensure that the value and	**Consistent**. The Project would include off-site improvements, including new pedestrian sidewalks, that would connect to existing infrastructure. The Project would also construct a new bus shelter and concrete bus pad on Tully Road. The new bus shelter would serve the existing Santa Clara Valley Transportation Authority bus stop on Tully Road. Further, the Project would not interfere with any planned expansions of the City's multimodal infrastructure. Lastly, the Project would constitute redevelopment within an established community and would not induce growth in a new area such that it would draw mostly new vehicle trips and/or substantially lengthen existing trips

General Plan Measure	Project Conformance
cost of parking are considered in real estate and business transactions.	
CD-2.5: Integrate Green Building Goals and Policies of the Envision San José 2040 General Plan into site design to create healthful environments. Consider factors such as shaded parking areas, pedestrian connections, minimization of impervious surfaces, incorporation of stormwater treatment measures, appropriate building orientations, etc.	**Consistent**. The Project would be constructed in compliance with the San José Green Building Policy. The Project would replace an existing gasoline station and would not increase of impervious surfaces. However, the Project would construct a new bus shelter and concrete bus pad on Tully Road and construct new pedestrian sidewalks. Additionally, the Project's car wash would utilize a recycled water system.
CD-2.11: Within the Downtown and Urban Village Overlay areas, consistent with the minimum density requirements of the pertaining Land Use/Transportation Diagram designation, avoid the construction of surface parking lots except as an interim use, so that long-term development of the site will result in a cohesive urban form. In these areas, whenever possible, use structured parking, rather than surface parking, to fulfill parking requirements. Encourage the incorporation of alternative uses, such as parks, above parking structures.	**Not Applicable**. The Project site is not located within the Downtown and Urban Village Overlay.
CD-3.2: Prioritize pedestrian and bicycle connections to transit, community facilities (including schools), commercial areas, and other areas serving daily needs. Ensure that the design of new facilities can accommodate significant anticipated future increases in bicycle and pedestrian activity.	**Consistent**. The Project would include off-site improvements, including new pedestrian sidewalks, that would connect to existing infrastructure. The Project would also construct a new bus shelter and concrete bus pad on Tully Road. The new bus shelter would serve the existing Santa Clara Valley Transportation Authority bus stop on Tully Road.
CD-3.4: Encourage pedestrian cross-access connections between adjacent properties and require pedestrian and bicycle connections to streets and other public spaces, with particular attention and priority given to providing convenient access to transit facilities. Provide pedestrian and vehicular connections with cross-access easements within and between new and existing developments to encourage walking and minimize interruptions by parking areas and curb cuts.	**Consistent**. The Project would include off-site improvements, including new pedestrian sidewalks, that would connect to existing infrastructure.
LU-3.5: Balance the need for parking to support a thriving Downtown with the need to minimize the impacts of parking upon a vibrant pedestrian and transit oriented urban environment. Provide for the needs of bicyclists and pedestrians, including adequate bicycle parking areas and design measures to promote bicyclist and pedestrian safety.	**Not Applicable**. The Project site is not located within the City's Downtown area.
TR-2.8: Require new development to provide on-site facilities such as bicycle storage and showers, provide connections to existing and planned facilities, dedicate land to expand existing facilities or provide new facilities such as sidewalks and/or bicycle lanes/paths, or share in the cost of improvements.	**Consistent**. The Project would include off-site improvements, including new pedestrian sidewalks, that would connect to existing infrastructure.
TR-7.1: Require large employers to develop TDM programs to reduce the vehicle trips and vehicle miles generated by their employees through the use of shuttles, provision for car sharing, bicycle sharing, carpool, parking strategies, transit incentives and other measures.	**Not Applicable**. The Project is not considered a "large employer."
TR-8.5: Promote participation in car share programs to minimize the need for parking spaces in new and existing development.	**Not Applicable**. As an auto-centric land use that includes fueling stations, a car wash, and car service center, a car share program is not applicable for the Project.

General Plan Measure	Project Conformance
4) Water Conservation and Urban Forestry Measures	
MS-3.1: Require water-efficient landscaping, which conforms to the State's Model Water Efficient Landscape Ordinance, for all new commercial, institutional, industrial and developer-installed residential development unless for recreation needs or other area functions.	**Consistent**. The Project would comply with Chapter 15.10, Water Efficient Landscape Standards for New and Rehabilitated Landscaping, of the City's Municipal Code, and all proposed landscaping would be drought tolerant.
MS-3.2: Promote the use of green building technology or techniques that can help reduce the depletion of the City's potable water supply, as building codes permit. For example, promote the use of captured rainwater, graywater, or recycled water as the preferred source for non-potable water needs such as irrigation and building cooling, consistent with Building Codes or other regulations.	**Consistent**. The Project would be constructed in compliance with the City's Green Building Ordinance, and the car wash would use recycled water.
MS-19.4: Require the use of recycled water wherever feasible and cost-effective to serve existing and new development.	**Consistent**. The proposed car wash would use an average of 3,950 gallons per day of recycled water.
MS-21.3: Ensure that San José's Community Forest is comprised of species that have low water requirements and are well adapted to its Mediterranean climate. Select and plant diverse species to prevent monocultures that are vulnerable to pest invasions. Furthermore, consider the appropriate placement of tree species and their lifespan to ensure the perpetuation of the Community Forest.	**Not Applicable**. The Project is an infill development and would not impact any urban forests.
MS-26.1: As a condition of new development, require the planting and maintenance of both street trees and trees on private property to achieve a level of tree coverage in compliance with and that implements City laws, policies or guidelines.	**Consistent**. The Project would include 23 new on-site trees as well as new street tree wells.
ER-8.7: Encourage stormwater reuse for beneficial uses in existing infrastructure and future development through the installation of rain barrels, cisterns, or other water storage and reuse facilities.	**Not Consistent**. The Project would not include stormwater reuse. However, stormwater runoff from 100 percent of new impervious surfaces would be treated with on-site low impact development (LID) measures.

Source: City of San José 2020b.

Table 15. Project Compliance with 2030 GHGRS (Table B)

Consistency Options	Project Measure	Project Conformance
Renewable Energy Development		
1. Install solar panels, solar hot water, or other clean energy power generation sources on development sites, or 2. Participate in community solar programs to support development of renewable energy in the community, or 3. Participate in San José Clean Energy at the Total Green Level (i.e., 100% carbon free electricity) for electricity accounts associated with the project.	The proposed fuel canopy would be designed to be solar ready.	☒ Proposed ☐ Not Applicable ☐ Not Feasible ☐ Alternative Measure Proposed
Building Retrofits – Natural Gas		

Consistency Options	Project Measure	Project Conformance
This strategy only applies to projects that include a retrofit of an existing building. If the proposed project does not include a retrofit, select "Not Applicable" in the Project Conformance column. 1. Replace an existing natural gas appliance with an electric alternative (e.g., space heater, water heater, clothes dryer), or 2. Replace an existing natural gas appliance with a high-efficiency model	The Project is not a retrofitting project.	☐ Proposed ☒ Not Applicable ☐ Not Feasible ☐ Alternative Measure Proposed
Zero Waste Goal		
1. Provide space for organic waste (e.g., food scraps, yard waste) collection containers, and/or 2. Exceed the City's construction & demolition waste diversion requirement.	The increase in solid waste generation from development of the Project would be minimized through implementation of the City's Zero Waste Strategic Plan, which set a goal of 75 percent waste diversion by 2013 and zero waste by 2022. The Project would conform to City plans and policies to reduce solid waste generation and would be served by landfills with adequate capacity.	☒ Proposed ☐ Not Applicable ☐ Not Feasible ☐ Alternative Measure Proposed
Caltrain Modernization		
1. For projects located within ½ mile of a Caltrain station, establish a program through which to provide project tenants and/or residents with free or reduced Caltrain passes or 2. Develop a program that provides project tenants and/or residents with options to reduce their vehicle miles traveled (e.g., a TDM program), which could include transit passes, bike lockers and showers, or other strategies to reduce project-related VMT.	The Project is not located within ½ mile of a Caltrain station.	☐ Proposed ☒ Not Applicable ☐ Not Feasible ☐ Alternative Measure Proposed
Water Conservation		
1. Install high-efficiency appliances/fixtures to reduce water use, and/or include water-sensitive landscape design, and/or 2. Provide access to reclaimed water for outdoor water use on the project site.	The Project would install high efficiency fixtures in compliance with City's Green Building Ordinance and CALGreen requirements, and all on-site landscaping would consist of drought tolerant plants and comply with the City of San Jose's Ordinance 15.11.900 that requires water efficiency design for landscaping. Additionally, the proposed car wash would use recycled water.	☒ Proposed ☐ Not Applicable ☐ Not Feasible ☐ Alternative Measure Proposed

Source: City of San José 2020b.

As shown above, the Project would not conflict with the GHG reduction strategies included in the General Plan. Additionally, the Project and would comply with all applicable measures in the GHGRS. The Project is considered to be consistent with the City's 2030 GHGRS, and the impact would be less than significant with mitigation.

IMPACT GHG-2 Conflict with an applicable plan, policy or regulation adopted for the purpose of reducing the emissions of greenhouse gases?

Impact Analysis

A project would have a significant impact with respect to GHG emissions and global climate change if it would substantially conflict with the provisions of Section 15064.4(b) of the CEQA Guidelines. Pursuant to Appendix G of the CEQA Guidelines, a significant GHG impact is identified if the project could conflict with applicable GHG reduction plans, policies, or regulations. The Project would be subject to complying with SB 32 and AB 1279. For this analysis, the applicable plans adopted for the purpose of reducing GHG emissions are the CARB's 2022 Scoping Plan and the City's 2030 GHGRS. Project consistency with the 2030 GHGRS was demonstrated in Impact GHG-1. Project consistency with the 2022 Scoping Plan is evaluated below.

Consistency with CARB's 2022 Scoping Plan

The 2022 Scoping Plan, approved in December 2022, builds upon previous iterations of State scoping plans to achieve carbon neutrality and reduce anthropogenic GHG emissions below 85 percent below 1990 no later than 2045, as directed by AB 1279 (CARB 2022a). Table 16 identifies the Scoping Plan policies that may be applicable to the Project.

Table 16. Project Consistency with 2022 Scoping Plan Greenhouse Gas Reduction Strategies

Measure	Consistency Determination
Deploy ZEVs and reduce driving demand	**Consistent.** While the Project would not deploy ZEVs, the Project would constitute redevelopment within an established community and would not induce growth in a new area such that it would draw mostly new vehicle trips and/or substantially lengthen existing trips. Thus, the Project would not substantially increase driving demand and would not interfere with this goal. Additionally, the Project would include off-site improvements, including new pedestrian sidewalks, and would construct a new bus shelter and concrete bus pad on Tully Road. The new bus shelter would serve the existing Santa Clara Valley Transportation Authority bus stop on Tully Road. The availability of public transportation options near the Project site would encourage the use of alternative modes of transportation and reduce single-passenger vehicle use.

Measure	Consistency Determination
Coordinate supply of liquid fossil fuels with declining CA fuel demand	**Not Applicable.** This measure is aimed at petroleum refineries and fossil fuel extraction operations. The Project would not interfere with this goal.
Generate clean electricity	**Consistent.** The proposed fuel canopy would be designed to be solar ready.
Decarbonize Buildings	**Consistent.** The Project would be constructed in compliance with the applicable version of the California Building Standards Code as well as the City's Green Building Ordinance.
Decarbonize Industrial Energy Supply	**Not Applicable.** The Project would not affect the industrial energy sector.
Reduce non-combustion emissions (Methane)	**Consistent.** The Project would not include any land uses that generate significant levels of methane, such as landfills or dairy farms.
Reduce non-combustion emissions (Hydrofluorocarbons [HFCs])	**Consistent.** The Project will comply with all state regulations governing short-lived climate pollutants, including HFCs.
Compensate for remaining emissions	**Not Applicable.** This measure is aimed at the state government to reduce statewide emissions to meet AB 1279 goals.

Source: CARB 2022a.

This analysis finds that the Project would be generally consistent with the applicable strategies recommended in the 2022 Scoping Plan. The Project would not generate clean energy on the site, however the Project would encourage the generation and distribution of Clean Energy through participation in SJCE.

Given the Project's consistency with the City's General Plan measures, GHGRS and the CARB's 2022 Scoping Plan, the Project would not conflict with an applicable plan, policy or regulation adopted for the purpose of reducing GHG emissions, and the impact would be less than significant with mitigation.

8 Energy Impact Analysis

8.1 California Environmental Quality Act Guidelines

The CEQA Guidelines define a significant effect on the environment as “a substantial, or potentially substantial, adverse change in the environment.” To determine whether a project would have a significant impact on energy the following must be evaluated.

Would the project:

a. Result in potentially significant environmental impact due to wasteful, inefficient, or unnecessary consumption of energy resources, during project construction or operation?

b. Conflict with or obstruct a state or local plan for renewable energy or energy efficiency?

This section discusses potential impacts concerning GHGs associated with the Project and provides mitigation measures where necessary.

8.2 Impact Analysis

Impact ENR-1	Result in potential significant environmental impact due to wasteful, inefficient, or unnecessary consumption of energy resources, during project construction or operation?

Impact Analysis

The energy requirements for the Project were determined using the construction and operational estimates generated from the calculation worksheets for energy consumption (Appendix C). This impact addresses the energy consumption from both short-term construction and long-term operations, and they are discussed separately below.

Construction Energy Demand

During construction of the Project, energy resources would be consumed in the form of diesel and gasoline fuel from the use of off-road equipment (i.e., tractors, excavators, cranes) and on-road vehicles (i.e., construction employee commutes, haul trucks). Construction is not anticipated to require electricity or natural gas. Construction was assumed to occur over approximately 18 months, starting in June 2025 and ending in December 2026.

Off-Road Equipment

Construction activities associated with the Project, including demolition of the existing structures and USTs, site preparation, grading, building construction, and paving, were estimated to consume a total of 20,860 gallons of diesel fuel from the use of off-road equipment. In 2022, the State of California consumed approximately 3.6 billion gallons of diesel fuel (CEC 2024b). For comparison, off-road



equipment used during Project construction would consume 0.0006 percent of the state's annual diesel consumption.

On-Road Vehicles

On-road vehicles for construction workers, vendors, and haulers would require fuel for travel to and from the site during construction. Table 17 provides an estimate of the total on-road vehicle fuel usage during construction.

Table 17. Construction On-Road Equipment Fuel Consumption

Project Component	Average Fuel Economy (miles/gallon)	Total VMT	Total Fuel Consumption (gallons)
Worker Trips	27.72	100,584	3,628
Vendor Trips	9.29	2,778	300
Haul Trips	5.94	5,780	973
Total Construction On-Road Trips		**109,142**	**4,901**

Notes:
Calculations use unrounded numbers; totals may not appear to sum exactly due to rounding.
VMT = vehicle miles traveled
Source: Appendix C.

As shown in the table, construction of the Project was estimated to consume 4,901 gallons of a combination of gasoline and diesel fuel from on-road vehicles. In 2022, the State of California consumed approximately 3.6 billion gallons of diesel fuel and 13.6 billion gallons of gasoline (CEC 2024b, CEC 2024c). If it was conservatively assumed that all on-road fuel consumed during Project construction is diesel fuel, then on-road equipment used during Project construction would consume 0.0001 percent of the state's annual diesel consumption.

Overall, construction activities associated with the Project would result in the consumption of petroleum-based fuels. However, there are no unusual Project characteristics that would necessitate the use of construction equipment or vehicles that would be less energy efficient than at comparable construction sites in other parts of the state. Therefore, it is expected that construction fuel consumption associated with the proposed Project would not be any more inefficient, wasteful, or unnecessary than at other construction sites in the region.

Operational Energy Demand

During operations of the Project, energy would be required to power the proposed buildings and to fuel the vehicles travelling to and from the site.

Building Energy

The proposed convenience store, gas station, and service bay would require electricity and natural gas for typical operations. The car wash would also require electricity to operate, and the building exteriors and parking area would require electricity for lighting. The estimated net annual building energy demand is presented in Table 18.

Table 18. Long-Term Operational Building Energy Demand

Land Use	Electricity (kWh/yr)	Natural Gas (kBTU/yr)
Project		
Convenience Market, Gas Station, and Service Bay	424,989	223,526
Car Wash	1,591,200	0
Parking Area	24,691	0
Subtotal	*2,040,880*	*223,526*
Existing		
Convenience Market with Gas Pumps	179,953	94,648
Parking Lot	24,444	0
Subtotal	*204,397*	*94,648*
Net Total	**1,836,483**	**128,878**

Source: Appendix C.

Over the course of a year, the net operational electricity consumption would total approximately 1,836,483 kWh, and the net natural gas consumptions would total approximately 128,878 kBTU/yr. For comparison, in 2022, Santa Clara County used a total of 17,102 GWh of electricity and 424 millions of therms (42,400 million kBTUs) of natural gas. Based on the countywide data, Project net building energy would consume approximately 0.01 percent of the county's electricity demand and approximately 0.0003 percent of the county's natural gas demand. Additionally, it is noted that the proposed buildings would be constructed in compliance with the energy efficiency standards set forth in the California Building Standards Code in effect at the time of construction. Therefore, the Project's total energy consumption and would not result in the inefficient, wasteful, or unnecessary use of energy.

Transportation Energy

Future employee and customers of the Project would travel to and from the site during normal operations. In addition, heavy trucks would visit the site to deliver merchandise and fuel. Table 19 provides an estimate of the daily and annual fuel consumed by the net vehicle trips and the delivery trucks traveling to and from the Project site. These estimates were derived using the same assumptions used in the operational GHG analysis for the Project.

Table 19. Net Operational Vehicle Fuel Consumption

Vehicle Type	Percent of Vehicle Trips	Average Fuel Economy (miles/gallon)	Total Annual Fuel Consumption (gallons)
Employee and Customer Trips			
Passenger Cars (LDA)	52.26	32.20	13,340
Light Trucks and Medium Duty Vehicles (LDT1, LDT2, MDV)	40.40	24.82	13,375
Light-Heavy to Heavy-Heavy Diesel Trucks (LHD1, LHD2, MHDT, HHDT)	4.67	9.49	4,046
Motorcycles (MCY)	2.20	42.55	426

Vehicle Type	Percent of Vehicle Trips	Average Fuel Economy (miles/gallon)	Total Annual Fuel Consumption (gallons)
Other (OBUS, UBUS, SBUS, MH)	0.46	7.85	481
Employee and Customer Trip Subtotal	*100.00*	--	*31,667*
Delivery Trips			
Heavy-Heavy Diesel Trucks (HHDT)	100.00	6.13	467
Total	**--**	**--**	*32,133*

As shown in the table, annual net vehicle and delivery truck trip fuel consumption is estimated to be 32,133 gallons of a combination of gasoline and diesel fuel. In 2022, the State of California consumed approximately 3.6 billion gallons of diesel fuel and 13.6 billion gallons of gasoline (CEC 2024b, CEC 2024c). If it was conservatively assumed that all on-road fuel consumed during Project operations is diesel fuel, then on-road equipment used during Project construction would consume 0.0002 percent of the state's annual petroleum fuel consumption.

Conclusion

Based on the analysis above, the Project would not result in a potential significant environmental impact due to the wasteful, inefficient, or unnecessary consumption of energy resources; therefore, the impact would be less than significant.

Impact ENR-2 Would the project conflict with or obstruct a state or local plan for renewable energy or energy efficiency?

Impact Analysis

The following discussion evaluates Project consistency with applicable plans for renewable energy or energy efficiency during construction and operations.

Construction

During construction activities, off-road equipment and on-road vehicles would comply with all applicable federal and state requirements governing fuel efficiency. For example, at a minimum, all off-road equipment would be subject to the most recent Off-Road Regulations adopted by the CARB, which establish engine efficiency requirements, among other requirements (CARB 2024d). Off-road engines are categorized per engine tier, with Tier 0 being the least efficient and Tier 4 Final being the cleanest and most efficient. Compliance with the Off-Road Regulations would ensure that the Project construction fleet would consist of energy-efficient engines. With the implementation of Mitigation Measure AQ-1, off-road construction equipment greater than 50 hp would be equipped with even more efficient engines than required to meet state regulations.

With respect to the on-road vehicle fleet operations, heavy-duty trucks would be required to comply with CARB's 5-minute idling limits which would reduce fuel consumption. Although the foregoing regulations were primarily designed to reduce air quality emissions, they would also result in an increase in energy

efficiency during construction activities. Construction of the Project would not conflict with or obstruct a state or local plan for renewable energy or energy efficiency.

Operations

California adopted the RPS in order to increase the amount of renewable energy supplied by utilities within the state. Project operations would primarily use electricity from the PG&E grid. PG&E would continue to be subject to state RPS requirements, and the Project would not preclude achievement of the RPS goals. In addition, any new structures developed as part of the Project would comply with federal, state, and local regulations aimed at reducing energy consumption, including the Building Energy Efficiency Standards (California Code of Regulations Title 24, Part 6) and the CALGreen Code (California Code of Regulations Title 24, Part 11). The Project would also be required to comply with the City's Green Building Ordinance, as established in Municipal Code Chapter 17.84. Finally, the Project would effectively replace the older and less efficient building, which would improve the overall energy efficiency on-site square foot per square foot. Overall, operations of the Project would not conflict with or obstruct a state or local plan for renewable energy or energy efficiency.

Conclusion

The Project would not conflict with or obstruct a state or local plan for renewable energy or energy efficiency; therefore, the impact would be less than significant.

9 References

BAAQMD. 1982. Regulation 7, Odorous Substances. Available online at: https://www.baaqmd.gov/~/media/dotgov/files/rules/reg-7-odorous-substances/documents/rg0700.pdf?la=en&rev=5055afaafe03462385ea2f1e4b7ee154. Accessed July 2024.

_____. 1998. Regulation 11, Hazardous Pollutants, Rule 2, Asbestos Demolition, Renovation and Manufacturing. Available online at: https://www.baaqmd.gov/~/media/dotgov/files/rules/reg-11-rule-2-asbestos-demolition-renovation-and-manufacturing/documents/rg1102.pdf?rev=bac2a923da314dc893aa7e5bd61366b7&sc_lang=en. Accessed July 2024.

_____. 2014. Community Air Risk Evaluation Program Retrospective & Path Forward. Available online at: https://www.baaqmd.gov/~/media/files/planning-and-research/care-program/documents/care_retrospective_april2014.pdf. Accessed July 2024.

_____. 2017. Air Quality Standards and Attainment Status. Available online at: https://www.baaqmd.gov/about-air-quality/research-and-data/air-quality-standards-and-attainment-status#:~:text=%E2%80%9CAttainment%E2%80%9D%20status%20for%20a%20pollutant%20means%20that%20the,ensures%20that%20these%20standards%20are%20met%20and%20maintained. Accessed July 2024.

_____. 2022a. CEQA Thresholds and Guidelines Update. Available online at: https://www.baaqmd.gov/plans-and-climate/california-environmental-quality-act-ceqa/updated-ceqa-guidelines. Accessed July 2024.

_____. 2022b. California Environmental Quality Act Air Quality Guidelines Appendix B: CEQA Thresholds for Evaluating the Significance of Climate Impacts from Land Use Projects and Plans. Available online at: https://www.baaqmd.gov/~/media/files/planning-and-research/ceqa/ceqa-guidelines-2022/appendix-b-thresholds-for-evaluating-significance-of-climate-impacts_final-pdf.pdf?rev=10305f45037b41dba2cd1b45b288d54b. Accessed July 2024.

_____. 2022c. California Environmental Quality Act Air Quality Guidelines Appendix E: Recommended Methods For Screening and Modeling Local Risks and Hazards. Available online at: https://www.baaqmd.gov/~/media/files/planning-and-research/ceqa/ceqa-guidelines-2022/appendix-e-recommended-methods-for-screening-and-modeling-local-risks-and-hazards_final-pdf.pdf?rev=b8917a27345a4a629fc18fc8650951e4&sc_lang=en. Accessed July 2024.

_____. 2023. Air Quality Plans. Available online at: https://www.baaqmd.gov/plans-and-climate/air-quality-plans. Accessed July 2024.

_____. 2024a. Current Rules. Available online at: https://www.baaqmd.gov/rules-and-compliance/current-rules. Accessed July 2024.

_____. 2024b. Stationary Source Screening Map. Available online at: https://baaqmd.maps.arcgis.com/apps/webappviewer/index.html?id=845658c19eae4594b9f4b805fb9d89a3. Accessed July 2024.

CARB. 2013. GHG Short-Lived Climate Pollutant Inventory. Available online at: https://ww2.arb.ca.gov/ghg-slcp-inventory. Accessed July 2024.

_____. 2016. Ambient Air Quality Standards. Available online at: https://ww2.arb.ca.gov/sites/default/files/2020-07/aaqs2.pdf. Accessed July 2024.

_____. 2018. Climate Pollutants Fall Below 1990 Levels for the First Time. Website: https://ww2.arb.ca.gov/news/climate-pollutants-fall-below-1990-levels-first-time. Accessed July 2024.

_____. 2022a. 2022 Scoping Plan for Achieving Carbon Neutrality. Available online at: https://ww2.arb.ca.gov/sites/default/files/2022-12/2022-sp_1.pdf. Accessed July 2024.

_____. 2022b. Cap-and-Trade Program: Frequently Asked Questions, Environmental Justice Communities and Local Air Pollution. Available online at: https://ww2.arb.ca.gov/sites/default/files/2022-09/nc-FAQ_CT.pdf. Accessed July 2024.

_____. 2022c. Gasoline Service Station Industrywide Risk Assessment Technical Guidance. Available online at: https://ww2.arb.ca.gov/sites/default/files/2022-03/Draft%202022%20Gas%20Station%20IWG%20-%20Technical%20Guidance_ADA%20Compliant.pdf. Accessed July 2024.

_____. 2023. California Greenhouse Gas Emissions from 2000 to 2021: Trends of Emissions and Other Indicators. Available online at: https://ww2.arb.ca.gov/sites/default/files/2023-12/2000_2021_ghg_inventory_trends.pdf. Accessed July 2024.

_____. 2024a. iADAM: Air Quality Data Statistics. Available online at: https://www.arb.ca.gov/adam. Accessed July 2024.

_____. 2024b. Overview: Diesel Exhaust & Health. Available online at: https://ww2.arb.ca.gov/resources/overview-diesel-exhaust-and-health. Accessed July 2024.

_____. 2024c. SB 375 Regional Plan Climate Targets. Available online at: https://ww2.arb.ca.gov/our-work/programs/sustainable-communities-program/regional-plan-targets. Accessed July 2024.

_____. 2024d. In-Use Off-Road Diesel-Fueled Fleets Regulation. Available online at: https://ww2.arb.ca.gov/our-work/programs/use-road-diesel-fueled-fleets-regulation/about. Accessed July 2024.

_____. 2024e. Low Carbon Fuel Standard. Available online at: https://ww2.arb.ca.gov/our-work/programs/low-carbon-fuel-standard. Accessed July 2024.

CEC. 2016a. Electricity Consumption by County. Available online at: http://www.ecdms.energy.ca.gov/elecbycounty.aspx. Accessed July 2024.

_____. 2016b. Gas Consumption by County. Available online at: http://www.ecdms.energy.ca.gov/gasbycounty.aspx. Accessed July 2024.

_____. 2022. 2022 Integrated Energy Policy Report Update. Available online at: https://www.energy.ca.gov/data-reports/reports/integrated-energy-policy-report/2022-integrated-energy-policy-report-update. Accessed June 2024.

_____. 2024a. 2022 Power Content Label, Pacific Gas and Electric Company. Available online at: https://www.energy.ca.gov/filebrowser/download/6048. Accessed June 2024.

_____. 2024b. Diesel Fuel Data, Facts, and Statistics. Available online at: https://www.energy.ca.gov/data-reports/energy-almanac/transportation-energy/diesel-fuel-data-facts-and-statistics. Accessed July 2024.

_____. 2024c. California Gasoline Data, Facts, and Statistics. Available online at: https://www.energy.ca.gov/data-reports/energy-almanac/transportation-energy/california-gasoline-data-facts-and-statistics. Accessed July 2024.

California Department of Conservation. 2024. Naturally-Occurring Asbestos in California. Available online at: https://www.conservation.ca.gov/cgs/minerals/mineral-hazards/asbestos. Accessed July 2024.

CPUC. 2024. Renewables Portfolio Standard (RPS) Program. Available online at: https://www.cpuc.ca.gov/rps. Accessed June 2024.

City of San José. 2024. Envision San José 2040 General Plan. Adopted November 1, 2011 as Amended on January 31, 2024. Available online at: https://www.sanjoseca.gov/home/showpublisheddocument/22359/638513683059370000. Accessed July 2024.

_____. 2020a. 2030 Greenhouse Gas Reduction Strategy. Available online at: https://www.sanjoseca.gov/home/showpublisheddocument/63605/637345707563600000. Accessed July 2024.

_____. 2020b. GHGRS Project Compliance Checklist. Available online at: https://www.sanjoseca.gov/home/showpublisheddocument/63603/637345707558770000. Accessed July 2024.

OEHHA. 2001. Health Effects of Diesel Exhaust. Available online at: https://oehha.ca.gov/air/health-effects-diesel-exhaust. Accessed July 2024.

_____. 2015. Air Toxics Hot Spots Program, Risk Assessment Guidelines, Guidance Manual for Preparation of Health Risk Assessments. Available online at: https://oehha.ca.gov/media/downloads/crnr/2015guidancemanual.pdf. Accessed July 2024.

MTC/ABAG. 2021. Plan Bay Area 2050. Available online at: https://planbayarea.org/sites/default/files/documents/Plan_Bay_Area_2050_October_2021.pdf. Accessed July 2024.

NHTSA. 2024. USDOT Finalizes New Fuel Economy Standards for Model Years 2027-2031. Available online at: https://www.nhtsa.gov/press-releases/new-fuel-economy-standards-model-years-2027-2031. Accessed June 2024.

PG&E. 2018. News & Events: PH&E Clean Energy Deliveries Already Meet Future Goals. Available online at: https://investor.pgecorp.com/news-events/press-releases/press-release-details/2018/PGE-Clean-Energy-Deliveries-Already-Meet-Future-Goals/default.aspx. Accessed June 2024.

_____. 2024. Company Profile. Available online at: https://www.pge.com/en/about/company-information/company-profile.html. Accessed June 2024.

SJVAPCD. 2006. Guidance for Air Dispersion Modeling.

SCAQMD. 2008. Final Localized Significance Threshold Methodology. Available online at: https://www.aqmd.gov/docs/default-source/ceqa/handbook/localized-significance-thresholds/final-lst-methodology-document.pdf?sfvrsn=2. Accessed June 2024.

TJKM. 2024. Local Transportation Analysis Report, 1152 Tully Road.

USEPA. 2024a. Criteria Air Pollutants. Available online at: https://www.epa.gov/criteria-air-pollutants?msclkid=402121eaa62811ec9f3a5e32e281714a. Accessed July 2024.

_____. 2024b. Lead. Available online at: https://www.epa.gov/lead. Accessed July 2024.

_____. 2024c. Asbestos. Available online at: https://www.epa.gov/asbestos. Accessed July 2024.

_____. 2024d. Overview of Greenhouse Gas Emissions. Available online at: https://www.epa.gov/ghgemissions/overview-greenhouse-gases. Accessed July 2024.

_____. 2024e. Sulfur Hexafluoride (SF6) Basics. Available online at: https://www.epa.gov/eps-partnership/sulfur-hexafluoride-sf6-basics. Accessed July 2024.

_____. 2024f. Sources of GHG Emissions. Available online at: https://www.epa.gov/ghgemissions/sources-greenhouse-gas-emissions. Accessed July 2024.

_____. 2024g. Particle Pollution Designations Memorandum and Data for the 2024 Revised Annual PM2.5 NAAQS. Available online at: https://www.epa.gov/particle-pollution-designations/particle-pollution-designations-memorandum-and-data-2024-revised#:~:text=On%20February%207%2C%202024%2C%20the%20EPA%20promulgated%20a,cubic%20meter%20%28%C2%B5g%2Fm%203%29%20to%209.0%20%C2%B5g%2Fm%203.. Accessed July 2024.

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Tully 76 Service Project Detailed Report

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1.1. Basic Project Information

Data Field	Value
Project Name	Tully 76 Service Project
Construction Start Date	6/2/2025
Operational Year	2027
Lead Agency	—
Land Use Scale	Project/site
Analysis Level for Defaults	County
Windspeed (m/s)	3.40
Precipitation (days)	35.0
Location	1152 Tully Rd, San Jose, CA 95122, USA
County	Santa Clara
City	San Jose
Air District	Bay Area AQMD
Air Basin	San Francisco Bay Area
TAZ	1919
EDFZ	1
Electric Utility	Pacific Gas & Electric Company
Gas Utility	Pacific Gas & Electric
App Version	2022.1.1.26

1.2. Land Use Types

Land Use Subtype	Size	Unit	Lot Acreage	Building Area (sq ft)	Landscape Area (sq ft)	Special Landscape Area (sq ft)	Population	Description

Convenience Market with Gas Pumps	4.00	Pump	0.01	8,254	3,577	—	—	—
Parking Lot	21.0	Space	0.65	0.00	0.00	—	—	—

1.3. User-Selected Emission Reduction Measures by Emissions Sector

Sector	#	Measure Title
Construction	C-5	Use Advanced Engine Tiers

2. Emissions Summary

2.1. Construction Emissions Compared Against Thresholds

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

Un/Mit.	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Unmit.	1.91	1.60	14.4	16.2	0.02	0.68	3.70	3.90	0.62	0.65	0.83	—	3,413	3,413	0.23	0.38	6.03	3,538
Mit.	0.91	0.68	7.28	15.9	0.02	0.25	3.70	3.90	0.23	0.65	0.83	—	3,413	3,413	0.23	0.38	6.03	3,538
% Reduced	52%	58%	49%	2%	—	64%	—	—	63%	—	—	—	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Unmit.	3.08	3.06	10.1	10.3	0.02	0.46	0.26	0.53	0.43	0.06	0.44	—	1,773	1,773	0.07	0.03	0.03	1,780
Mit.	3.08	3.06	4.29	10.1	0.02	0.18	0.26	0.32	0.16	0.06	0.20	—	1,773	1,773	0.07	0.03	0.03	1,780
% Reduced	—	—	57%	2%	—	61%	—	38%	61%	—	55%	—	—	—	—	—	—	—
Average Daily (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

Unmit.	0.68	0.61	2.94	4.61	0.01	0.11	0.20	0.32	0.10	0.03	0.14	—	896	896	0.03	0.02	0.24	902
Mit.	0.44	0.42	1.03	5.22	0.01	0.05	0.20	0.25	0.04	0.03	0.08	—	896	896	0.03	0.02	0.24	902
% Reduced	35%	31%	65%	-13%	—	60%	—	21%	60%	—	45%	—	—	—	—	—	—	—
Annual (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Unmit.	0.12	0.11	0.54	0.84	< 0.005	0.02	0.04	0.06	0.02	0.01	0.03	—	148	148	0.01	< 0.005	0.04	149
Mit.	0.08	0.08	0.19	0.95	< 0.005	0.01	0.04	0.05	0.01	0.01	0.01	—	148	148	0.01	< 0.005	0.04	149
% Reduced	35%	31%	65%	-13%	—	60%	—	21%	60%	—	45%	—	—	—	—	—	—	—

2.2. Construction Emissions by Year, Unmitigated

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

Year	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily - Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
2025	1.91	1.60	14.4	16.2	0.02	0.68	3.70	3.90	0.62	0.65	0.83	—	3,413	3,413	0.23	0.38	6.03	3,538
2026	0.70	0.60	4.91	8.07	0.01	0.19	0.26	0.45	0.17	0.06	0.23	—	1,593	1,593	0.06	0.03	1.01	1,603
Daily - Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
2025	1.32	1.11	10.1	10.3	0.02	0.46	0.26	0.53	0.43	0.06	0.44	—	1,773	1,773	0.07	0.03	0.03	1,780
2026	3.08	3.06	4.94	7.90	0.01	0.19	0.26	0.45	0.17	0.06	0.23	—	1,574	1,574	0.06	0.03	0.03	1,583
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
2025	0.34	0.28	2.51	3.22	0.01	0.11	0.20	0.32	0.10	0.03	0.14	—	622	622	0.03	0.02	0.16	628
2026	0.68	0.61	2.94	4.61	0.01	0.11	0.14	0.25	0.10	0.03	0.14	—	896	896	0.03	0.01	0.24	902
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
2025	0.06	0.05	0.46	0.59	< 0.005	0.02	0.04	0.06	0.02	0.01	0.02	—	103	103	< 0.005	< 0.005	0.03	104
2026	0.12	0.11	0.54	0.84	< 0.005	0.02	0.03	0.05	0.02	0.01	0.03	—	148	148	0.01	< 0.005	0.04	149

2.3. Construction Emissions by Year, Mitigated

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

Year	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily - Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
2025	0.91	0.68	7.28	15.9	0.02	0.25	3.70	3.90	0.23	0.65	0.83	—	3,413	3,413	0.23	0.38	6.03	3,538
2026	0.70	0.60	4.28	9.27	0.01	0.18	0.26	0.32	0.16	0.06	0.20	—	1,593	1,593	0.06	0.03	1.01	1,603
Daily - Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
2025	0.23	0.22	0.86	10.1	0.02	0.03	0.26	0.28	0.03	0.06	0.09	—	1,773	1,773	0.07	0.03	0.03	1,780
2026	3.08	3.06	4.29	9.10	0.01	0.18	0.26	0.32	0.16	0.06	0.20	—	1,574	1,574	0.06	0.03	0.03	1,583
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
2025	0.16	0.14	1.03	3.38	0.01	0.05	0.20	0.25	0.04	0.03	0.08	—	622	622	0.03	0.02	0.16	628
2026	0.44	0.42	0.82	5.22	0.01	0.03	0.14	0.17	0.03	0.03	0.06	—	896	896	0.03	0.01	0.24	902
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
2025	0.03	0.03	0.19	0.62	< 0.005	0.01	0.04	0.05	0.01	0.01	0.01	—	103	103	< 0.005	< 0.005	0.03	104
2026	0.08	0.08	0.15	0.95	< 0.005	0.01	0.03	0.03	0.01	0.01	0.01	—	148	148	0.01	< 0.005	0.04	149

2.4. Operations Emissions Compared Against Thresholds

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

Un/Mit.	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Unmit.	2.65	2.48	1.54	16.3	0.04	0.03	3.62	3.65	0.03	0.92	0.94	4.69	4,232	4,237	0.70	0.18	1,724	6,031
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

Unmit.	2.49	2.32	1.78	15.3	0.04	0.03	3.62	3.65	0.03	0.92	0.94	4.69	4,003	4,008	0.72	0.19	1,712	5,795
Average Daily (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Unmit.	2.49	2.32	1.65	14.9	0.04	0.03	3.53	3.56	0.03	0.90	0.92	4.69	4,013	4,018	0.71	0.18	1,717	5,807
Annual (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Unmit.	0.45	0.42	0.30	2.72	0.01	0.01	0.64	0.65	< 0.005	0.16	0.17	0.78	664	665	0.12	0.03	284	961

2.5. Operations Emissions by Sector, Unmitigated

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

Sector	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Mobile	2.37	2.21	1.48	15.9	0.04	0.02	3.62	3.64	0.02	0.92	0.94	—	3,901	3,901	0.17	0.16	12.5	3,966
Area	0.27	0.26	< 0.005	0.36	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	—	1.48	1.48	< 0.005	< 0.005	—	1.48
Energy	0.01	< 0.005	0.06	0.05	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	—	323	323	0.05	0.01	—	326
Water	—	—	—	—	—	—	—	—	—	—	—	3.78	7.24	11.0	0.39	0.01	—	23.5
Waste	—	—	—	—	—	—	—	—	—	—	—	0.91	0.00	0.91	0.09	0.00	—	3.20
Refrig.	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	1,711	1,711
Total	2.65	2.48	1.54	16.3	0.04	0.03	3.62	3.65	0.03	0.92	0.94	4.69	4,232	4,237	0.70	0.18	1,724	6,031
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Mobile	2.28	2.11	1.72	15.3	0.04	0.02	3.62	3.64	0.02	0.92	0.94	—	3,673	3,673	0.20	0.18	0.32	3,731
Area	0.20	0.20	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Energy	0.01	< 0.005	0.06	0.05	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	—	323	323	0.05	0.01	—	326
Water	—	—	—	—	—	—	—	—	—	—	—	3.78	7.24	11.0	0.39	0.01	—	23.5
Waste	—	—	—	—	—	—	—	—	—	—	—	0.91	0.00	0.91	0.09	0.00	—	3.20
Refrig.	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	1,711	1,711

Total	2.49	2.32	1.78	15.3	0.04	0.03	3.62	3.65	0.03	0.92	0.94	4.69	4,003	4,008	0.72	0.19	1,712	5,795
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Mobile	2.25	2.09	1.59	14.7	0.04	0.02	3.53	3.56	0.02	0.90	0.92	—	3,683	3,683	0.18	0.17	5.36	3,743
Area	0.24	0.23	< 0.005	0.18	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	—	0.73	0.73	< 0.005	< 0.005	—	0.73
Energy	0.01	< 0.005	0.06	0.05	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	—	323	323	0.05	0.01	—	326
Water	—	—	—	—	—	—	—	—	—	—	—	3.78	7.24	11.0	0.39	0.01	—	23.5
Waste	—	—	—	—	—	—	—	—	—	—	—	0.91	0.00	0.91	0.09	0.00	—	3.20
Refrig.	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	1,711	1,711
Total	2.49	2.32	1.65	14.9	0.04	0.03	3.53	3.56	0.03	0.90	0.92	4.69	4,013	4,018	0.71	0.18	1,717	5,807
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Mobile	0.41	0.38	0.29	2.68	0.01	< 0.005	0.64	0.65	< 0.005	0.16	0.17	—	610	610	0.03	0.03	0.89	620
Area	0.04	0.04	< 0.005	0.03	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	—	0.12	0.12	< 0.005	< 0.005	—	0.12
Energy	< 0.005	< 0.005	0.01	0.01	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	—	53.5	53.5	0.01	< 0.005	—	53.9
Water	—	—	—	—	—	—	—	—	—	—	—	0.63	1.20	1.82	0.06	< 0.005	—	3.89
Waste	—	—	—	—	—	—	—	—	—	—	—	0.15	0.00	0.15	0.02	0.00	—	0.53
Refrig.	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	283	283
Total	0.45	0.42	0.30	2.72	0.01	0.01	0.64	0.65	< 0.005	0.16	0.17	0.78	664	665	0.12	0.03	284	961

2.6. Operations Emissions by Sector, Mitigated

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

Sector	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Mobile	2.37	2.21	1.48	15.9	0.04	0.02	3.62	3.64	0.02	0.92	0.94	—	3,901	3,901	0.17	0.16	12.5	3,966
Area	0.27	0.26	< 0.005	0.36	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	—	1.48	1.48	< 0.005	< 0.005	—	1.48
Energy	0.01	< 0.005	0.06	0.05	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	—	323	323	0.05	0.01	—	326
Water	—	—	—	—	—	—	—	—	—	—	—	3.78	7.24	11.0	0.39	0.01	—	23.5

Waste	—	—	—	—	—	—	—	—	—	—	—	0.91	0.00	0.91	0.09	0.00	—	3.20
Refrig.	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	1,711	1,711
Total	2.65	2.48	1.54	16.3	0.04	0.03	3.62	3.65	0.03	0.92	0.94	4.69	4,232	4,237	0.70	0.18	1,724	6,031
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Mobile	2.28	2.11	1.72	15.3	0.04	0.02	3.62	3.64	0.02	0.92	0.94	—	3,673	3,673	0.20	0.18	0.32	3,731
Area	0.20	0.20	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Energy	0.01	< 0.005	0.06	0.05	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	—	323	323	0.05	0.01	—	326
Water	—	—	—	—	—	—	—	—	—	—	—	3.78	7.24	11.0	0.39	0.01	—	23.5
Waste	—	—	—	—	—	—	—	—	—	—	—	0.91	0.00	0.91	0.09	0.00	—	3.20
Refrig.	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	1,711	1,711
Total	2.49	2.32	1.78	15.3	0.04	0.03	3.62	3.65	0.03	0.92	0.94	4.69	4,003	4,008	0.72	0.19	1,712	5,795
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Mobile	2.25	2.09	1.59	14.7	0.04	0.02	3.53	3.56	0.02	0.90	0.92	—	3,683	3,683	0.18	0.17	5.36	3,743
Area	0.24	0.23	< 0.005	0.18	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	—	0.73	0.73	< 0.005	< 0.005	—	0.73
Energy	0.01	< 0.005	0.06	0.05	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	—	323	323	0.05	0.01	—	326
Water	—	—	—	—	—	—	—	—	—	—	—	3.78	7.24	11.0	0.39	0.01	—	23.5
Waste	—	—	—	—	—	—	—	—	—	—	—	0.91	0.00	0.91	0.09	0.00	—	3.20
Refrig.	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	1,711	1,711
Total	2.49	2.32	1.65	14.9	0.04	0.03	3.53	3.56	0.03	0.90	0.92	4.69	4,013	4,018	0.71	0.18	1,717	5,807
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Mobile	0.41	0.38	0.29	2.68	0.01	< 0.005	0.64	0.65	< 0.005	0.16	0.17	—	610	610	0.03	0.03	0.89	620
Area	0.04	0.04	< 0.005	0.03	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	—	0.12	0.12	< 0.005	< 0.005	—	0.12
Energy	< 0.005	< 0.005	0.01	0.01	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	—	53.5	53.5	0.01	< 0.005	—	53.9
Water	—	—	—	—	—	—	—	—	—	—	—	0.63	1.20	1.82	0.06	< 0.005	—	3.89
Waste	—	—	—	—	—	—	—	—	—	—	—	0.15	0.00	0.15	0.02	0.00	—	0.53
Refrig.	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	283	283

Total	0.45	0.42	0.30	2.72	0.01	0.01	0.64	0.65	< 0.005	0.16	0.17	0.78	664	665	0.12	0.03	284	961

3. Construction Emissions Details

3.1. Demolition (2025) - Unmitigated

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

Location	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Onsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.56	0.47	4.33	5.65	0.01	0.16	—	0.16	0.14	—	0.14	—	852	852	0.03	0.01	—	855
Demolition	—	—	—	—	—	—	2.85	2.85	—	0.43	0.43	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.01	0.01	0.07	0.09	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	—	14.0	14.0	< 0.005	< 0.005	—	14.1
Demolition	—	—	—	—	—	—	0.05	0.05	—	0.01	0.01	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

Off-Road	< 0.005	< 0.005	0.01	0.02	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	—	2.32	2.32	< 0.005	< 0.005	—	2.33
Demolition	—	—	—	—	—	—	0.01	0.01	—	< 0.005	< 0.005	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Offsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.11	0.10	0.07	1.23	0.00	0.00	0.25	0.25	0.00	0.06	0.06	—	257	257	< 0.005	0.01	1.02	261
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.24	0.05	2.88	1.41	0.01	0.04	0.60	0.64	0.03	0.16	0.19	—	2,304	2,304	0.19	0.36	5.01	2,422
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	< 0.005	< 0.005	< 0.005	0.02	0.00	0.00	< 0.005	< 0.005	0.00	< 0.005	< 0.005	—	3.96	3.96	< 0.005	< 0.005	0.01	4.01
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	< 0.005	< 0.005	0.05	0.02	< 0.005	< 0.005	0.01	0.01	< 0.005	< 0.005	< 0.005	—	37.9	37.9	< 0.005	0.01	0.04	39.8
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	< 0.005	< 0.005	< 0.005	< 0.005	0.00	0.00	< 0.005	< 0.005	0.00	< 0.005	< 0.005	—	0.66	0.66	< 0.005	< 0.005	< 0.005	0.66
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	< 0.005	< 0.005	0.01	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	—	6.27	6.27	< 0.005	< 0.005	0.01	6.58

3.2. Demolition (2025) - Mitigated

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

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

Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.56	0.47	4.33	5.65	0.01	0.16	—	0.16	0.14	—	0.14	—	852	852	0.03	0.01	—	855
Demolition	—	—	—	—	—	—	2.85	2.85	—	0.43	0.43	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.01	0.01	0.07	0.09	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	—	14.0	14.0	< 0.005	< 0.005	—	14.1
Demolition	—	—	—	—	—	—	0.05	0.05	—	0.01	0.01	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	< 0.005	< 0.005	0.01	0.02	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	—	2.32	2.32	< 0.005	< 0.005	—	2.33
Demolition	—	—	—	—	—	—	0.01	0.01	—	< 0.005	< 0.005	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Offsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

Worker	0.11	0.10	0.07	1.23	0.00	0.00	0.25	0.25	0.00	0.06	0.06	—	257	257	< 0.005	0.01	1.02	261
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.24	0.05	2.88	1.41	0.01	0.04	0.60	0.64	0.03	0.16	0.19	—	2,304	2,304	0.19	0.36	5.01	2,422
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	< 0.005	< 0.005	< 0.005	0.02	0.00	0.00	< 0.005	< 0.005	0.00	< 0.005	< 0.005	—	3.96	3.96	< 0.005	< 0.005	0.01	4.01
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	< 0.005	< 0.005	0.05	0.02	< 0.005	< 0.005	0.01	0.01	< 0.005	< 0.005	< 0.005	—	37.9	37.9	< 0.005	0.01	0.04	39.8
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	< 0.005	< 0.005	< 0.005	< 0.005	0.00	0.00	< 0.005	< 0.005	0.00	< 0.005	< 0.005	—	0.66	0.66	< 0.005	< 0.005	< 0.005	0.66
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	< 0.005	< 0.005	0.01	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	—	6.27	6.27	< 0.005	< 0.005	0.01	6.58

3.3. Site Preparation (2025) - Unmitigated

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

Location	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Onsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.56	0.47	4.16	5.57	0.01	0.21	—	0.21	0.20	—	0.20	—	859	859	0.03	0.01	—	862
Dust From Material Movement	—	—	—	—	—	—	0.53	0.53	—	0.06	0.06	—	—	—	—	—	—	—

Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.09	0.08	0.68	0.92	< 0.005	0.03	—	0.03	0.03	—	0.03	—	141	141	0.01	< 0.005	—	142
Dust From Material Movement	—	—	—	—	—	—	0.09	0.09	—	0.01	0.01	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.02	0.01	0.12	0.17	< 0.005	0.01	—	0.01	0.01	—	0.01	—	23.4	23.4	< 0.005	< 0.005	—	23.5
Dust From Material Movement	—	—	—	—	—	—	0.02	0.02	—	< 0.005	< 0.005	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Offsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.02	0.02	0.01	0.20	0.00	0.00	0.04	0.04	0.00	0.01	0.01	—	42.9	42.9	< 0.005	< 0.005	0.17	43.5
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.01	< 0.005	0.14	0.07	< 0.005	< 0.005	0.03	0.03	< 0.005	0.01	0.01	—	115	115	0.01	0.02	0.25	120

Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	< 0.005	< 0.005	< 0.005	0.03	0.00	0.00	0.01	0.01	0.00	< 0.005	< 0.005	—	6.60	6.60	< 0.005	< 0.005	0.01	6.69
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	< 0.005	< 0.005	0.02	0.01	< 0.005	< 0.005	< 0.005	0.01	< 0.005	< 0.005	< 0.005	—	18.8	18.8	< 0.005	< 0.005	0.02	19.8
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	< 0.005	< 0.005	< 0.005	0.01	0.00	0.00	< 0.005	< 0.005	0.00	< 0.005	< 0.005	—	1.09	1.09	< 0.005	< 0.005	< 0.005	1.11
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	—	3.12	3.12	< 0.005	< 0.005	< 0.005	3.28

3.4. Site Preparation (2025) - Mitigated

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

Location	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Onsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.56	0.47	4.16	5.57	0.01	0.21	—	0.21	0.20	—	0.20	—	859	859	0.03	0.01	—	862
Dust From Material Movement	—	—	—	—	—	—	0.53	0.53	—	0.06	0.06	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.09	0.08	0.68	0.92	< 0.005	0.03	—	0.03	0.03	—	0.03	—	141	141	0.01	< 0.005	—	142
Dust From Material Movement	—	—	—	—	—	—	0.09	0.09	—	0.01	0.01	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.02	0.01	0.12	0.17	< 0.005	0.01	—	0.01	0.01	—	0.01	—	23.4	23.4	< 0.005	< 0.005	—	23.5
Dust From Material Movement	—	—	—	—	—	—	0.02	0.02	—	< 0.005	< 0.005	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Offsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.02	0.02	0.01	0.20	0.00	0.00	0.04	0.04	0.00	0.01	0.01	—	42.9	42.9	< 0.005	< 0.005	0.17	43.5
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.01	< 0.005	0.14	0.07	< 0.005	< 0.005	0.03	0.03	< 0.005	0.01	0.01	—	115	115	0.01	0.02	0.25	120
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	< 0.005	< 0.005	< 0.005	0.03	0.00	0.00	0.01	0.01	0.00	< 0.005	< 0.005	—	6.60	6.60	< 0.005	< 0.005	0.01	6.69

Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	< 0.005	< 0.005	0.02	0.01	< 0.005	< 0.005	< 0.005	0.01	< 0.005	< 0.005	< 0.005	—	18.8	18.8	< 0.005	< 0.005	0.02	19.8
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	< 0.005	< 0.005	< 0.005	0.01	0.00	0.00	< 0.005	< 0.005	0.00	< 0.005	< 0.005	—	1.09	1.09	< 0.005	< 0.005	< 0.005	1.11
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	—	3.12	3.12	< 0.005	< 0.005	< 0.005	3.28

3.5. Grading (2025) - Unmitigated

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

Location	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Onsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	1.29	1.09	10.1	10.0	0.02	0.46	—	0.46	0.43	—	0.43	—	1,714	1,714	0.07	0.01	—	1,720
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	1.29	1.09	10.1	10.0	0.02	0.46	—	0.46	0.43	—	0.43	—	1,714	1,714	0.07	0.01	—	1,720
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

Off-Road Equipment	0.11	0.09	0.83	0.83	< 0.005	0.04	—	0.04	0.04	—	0.04	—	141	141	0.01	< 0.005	—	141
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.02	0.02	0.15	0.15	< 0.005	0.01	—	0.01	0.01	—	0.01	—	23.3	23.3	< 0.005	< 0.005	—	23.4
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Offsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.03	0.02	0.02	0.31	0.00	0.00	0.06	0.06	0.00	0.01	0.01	—	64.3	64.3	< 0.005	< 0.005	0.25	65.3
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.02	0.02	0.02	0.26	0.00	0.00	0.06	0.06	0.00	0.01	0.01	—	59.5	59.5	< 0.005	< 0.005	0.01	60.4
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	< 0.005	< 0.005	< 0.005	0.02	0.00	0.00	< 0.005	< 0.005	0.00	< 0.005	< 0.005	—	4.95	4.95	< 0.005	< 0.005	0.01	5.02
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	< 0.005	< 0.005	< 0.005	< 0.005	0.00	0.00	< 0.005	< 0.005	0.00	< 0.005	< 0.005	—	0.82	0.82	< 0.005	< 0.005	< 0.005	0.83

Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00

3.6. Grading (2025) - Mitigated

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

Location	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Onsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.16	0.16	0.84	9.79	0.02	0.03	—	0.03	0.03	—	0.03	—	1,714	1,714	0.07	0.01	—	1,720
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.16	0.16	0.84	9.79	0.02	0.03	—	0.03	0.03	—	0.03	—	1,714	1,714	0.07	0.01	—	1,720
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.01	0.01	0.07	0.80	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	—	141	141	0.01	< 0.005	—	141
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

Off-Roa Equipment	< 0.005	< 0.005	0.01	0.15	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	—	23.3	23.3	< 0.005	< 0.005	—	23.4
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Offsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.03	0.02	0.02	0.31	0.00	0.00	0.06	0.06	0.00	0.01	0.01	—	64.3	64.3	< 0.005	< 0.005	0.25	65.3
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.02	0.02	0.02	0.26	0.00	0.00	0.06	0.06	0.00	0.01	0.01	—	59.5	59.5	< 0.005	< 0.005	0.01	60.4
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	< 0.005	< 0.005	< 0.005	0.02	0.00	0.00	< 0.005	< 0.005	0.00	< 0.005	< 0.005	—	4.95	4.95	< 0.005	< 0.005	0.01	5.02
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	< 0.005	< 0.005	< 0.005	< 0.005	0.00	0.00	< 0.005	< 0.005	0.00	< 0.005	< 0.005	—	0.82	0.82	< 0.005	< 0.005	< 0.005	0.83
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00

3.7. Building Construction (2025) - Unmitigated

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

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

Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.62	0.52	5.14	6.94	0.01	0.22	—	0.22	0.20	—	0.20	—	1,305	1,305	0.05	0.01	—	1,309
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.10	0.08	0.82	1.11	< 0.005	0.03	—	0.03	0.03	—	0.03	—	209	209	0.01	< 0.005	—	210
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.02	0.02	0.15	0.20	< 0.005	0.01	—	0.01	0.01	—	0.01	—	34.7	34.7	< 0.005	< 0.005	—	34.8
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Offsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.10	0.10	0.09	1.05	0.00	0.00	0.25	0.25	0.00	0.06	0.06	—	238	238	0.01	0.01	0.03	241
Vendor	< 0.005	< 0.005	0.05	0.02	< 0.005	< 0.005	0.01	0.01	< 0.005	< 0.005	< 0.005	—	36.5	36.5	< 0.005	0.01	< 0.005	38.1

Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.02	0.02	0.01	0.17	0.00	0.00	0.04	0.04	0.00	0.01	0.01	—	38.6	38.6	< 0.005	< 0.005	0.07	39.2
Vendor	< 0.005	< 0.005	0.01	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	—	5.86	5.86	< 0.005	< 0.005	0.01	6.12
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	< 0.005	< 0.005	< 0.005	0.03	0.00	0.00	0.01	0.01	0.00	< 0.005	< 0.005	—	6.40	6.40	< 0.005	< 0.005	0.01	6.49
Vendor	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	—	0.97	0.97	< 0.005	< 0.005	< 0.005	1.01
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00

3.8. Building Construction (2025) - Mitigated

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

Location	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Onsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.12	0.12	0.64	8.10	0.01	0.02	—	0.02	0.02	—	0.02	—	1,305	1,305	0.05	0.01	—	1,309
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.02	0.02	0.10	1.30	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	—	209	209	0.01	< 0.005	—	210

Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	< 0.005	< 0.005	0.02	0.24	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	—	34.7	34.7	< 0.005	< 0.005	—	34.8
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Offsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.10	0.10	0.09	1.05	0.00	0.00	0.25	0.25	0.00	0.06	0.06	—	238	238	0.01	0.01	0.03	241
Vendor	< 0.005	< 0.005	0.05	0.02	< 0.005	< 0.005	0.01	0.01	< 0.005	< 0.005	< 0.005	—	36.5	36.5	< 0.005	0.01	< 0.005	38.1
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.02	0.02	0.01	0.17	0.00	0.00	0.04	0.04	0.00	0.01	0.01	—	38.6	38.6	< 0.005	< 0.005	0.07	39.2
Vendor	< 0.005	< 0.005	0.01	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	—	5.86	5.86	< 0.005	< 0.005	0.01	6.12
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	< 0.005	< 0.005	< 0.005	0.03	0.00	0.00	0.01	0.01	0.00	< 0.005	< 0.005	—	6.40	6.40	< 0.005	< 0.005	0.01	6.49
Vendor	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	—	0.97	0.97	< 0.005	< 0.005	< 0.005	1.01
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00

3.9. Building Construction (2026) - Unmitigated

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

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

Onsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.59	0.49	4.81	6.91	0.01	0.19	—	0.19	0.17	—	0.17	—	1,304	1,304	0.05	0.01	—	1,309
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.59	0.49	4.81	6.91	0.01	0.19	—	0.19	0.17	—	0.17	—	1,304	1,304	0.05	0.01	—	1,309
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.30	0.25	2.45	3.53	0.01	0.10	—	0.10	0.09	—	0.09	—	666	666	0.03	0.01	—	669
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.05	0.05	0.45	0.64	< 0.005	0.02	—	0.02	0.02	—	0.02	—	110	110	< 0.005	< 0.005	—	111
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Offsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.10	0.09	0.06	1.14	0.00	0.00	0.25	0.25	0.00	0.06	0.06	—	252	252	< 0.005	0.01	0.92	256
Vendor	< 0.005	< 0.005	0.04	0.02	< 0.005	< 0.005	0.01	0.01	< 0.005	< 0.005	< 0.005	—	35.9	35.9	< 0.005	0.01	0.09	37.6
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.09	0.08	0.08	0.98	0.00	0.00	0.25	0.25	0.00	0.06	0.06	—	234	234	0.01	0.01	0.02	237
Vendor	< 0.005	< 0.005	0.05	0.02	< 0.005	< 0.005	0.01	0.01	< 0.005	< 0.005	< 0.005	—	35.9	35.9	< 0.005	0.01	< 0.005	37.5
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.05	0.04	0.04	0.49	0.00	0.00	0.12	0.12	0.00	0.03	0.03	—	121	121	< 0.005	< 0.005	0.20	122
Vendor	< 0.005	< 0.005	0.02	0.01	< 0.005	< 0.005	< 0.005	0.01	< 0.005	< 0.005	< 0.005	—	18.3	18.3	< 0.005	< 0.005	0.02	19.2
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.01	0.01	0.01	0.09	0.00	0.00	0.02	0.02	0.00	0.01	0.01	—	20.0	20.0	< 0.005	< 0.005	0.03	20.3
Vendor	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	—	3.03	3.03	< 0.005	< 0.005	< 0.005	3.17
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00

3.10. Building Construction (2026) - Mitigated

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

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

Off-Road Equipm	0.12	0.12	0.64	8.10	0.01	0.02	—	0.02	0.02	—	0.02	—	1,304	1,304	0.05	0.01	—	1,309
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.12	0.12	0.64	8.10	0.01	0.02	—	0.02	0.02	—	0.02	—	1,304	1,304	0.05	0.01	—	1,309
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.06	0.06	0.33	4.14	0.01	0.01	—	0.01	0.01	—	0.01	—	666	666	0.03	0.01	—	669
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.01	0.01	0.06	0.76	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	—	110	110	< 0.005	< 0.005	—	111
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Offsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.10	0.09	0.06	1.14	0.00	0.00	0.25	0.25	0.00	0.06	0.06	—	252	252	< 0.005	0.01	0.92	256
Vendor	< 0.005	< 0.005	0.04	0.02	< 0.005	< 0.005	0.01	0.01	< 0.005	< 0.005	< 0.005	—	35.9	35.9	< 0.005	0.01	0.09	37.6
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00

Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.09	0.08	0.08	0.98	0.00	0.00	0.25	0.25	0.00	0.06	0.06	—	234	234	0.01	0.01	0.02	237
Vendor	< 0.005	< 0.005	0.05	0.02	< 0.005	< 0.005	0.01	0.01	< 0.005	< 0.005	< 0.005	—	35.9	35.9	< 0.005	0.01	< 0.005	37.5
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.05	0.04	0.04	0.49	0.00	0.00	0.12	0.12	0.00	0.03	0.03	—	121	121	< 0.005	< 0.005	0.20	122
Vendor	< 0.005	< 0.005	0.02	0.01	< 0.005	< 0.005	< 0.005	0.01	< 0.005	< 0.005	< 0.005	—	18.3	18.3	< 0.005	< 0.005	0.02	19.2
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.01	0.01	0.01	0.09	0.00	0.00	0.02	0.02	0.00	0.01	0.01	—	20.0	20.0	< 0.005	< 0.005	0.03	20.3
Vendor	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	—	3.03	3.03	< 0.005	< 0.005	< 0.005	3.17
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00

3.11. Paving (2026) - Unmitigated

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

Location	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Onsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.59	0.49	4.24	5.30	0.01	0.18	—	0.18	0.16	—	0.16	—	823	823	0.03	0.01	—	826
Paving	0.06	0.06	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00

Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.59	0.49	4.24	5.30	0.01	0.18	—	0.18	0.16	—	0.16	—	823	823	0.03	0.01	—	826
Paving	0.06	0.06	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.05	0.04	0.35	0.44	< 0.005	0.01	—	0.01	0.01	—	0.01	—	67.6	67.6	< 0.005	< 0.005	—	67.9
Paving	< 0.005	< 0.005	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.01	0.01	0.06	0.08	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	—	11.2	11.2	< 0.005	< 0.005	—	11.2
Paving	< 0.005	< 0.005	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Offsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.06	0.06	0.04	0.67	0.00	0.00	0.14	0.14	0.00	0.03	0.03	—	147	147	< 0.005	0.01	0.54	149
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00

Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.05	0.05	0.05	0.57	0.00	0.00	0.14	0.14	0.00	0.03	0.03	—	136	136	< 0.005	0.01	0.01	138
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	< 0.005	< 0.005	< 0.005	0.05	0.00	0.00	0.01	0.01	0.00	< 0.005	< 0.005	—	11.3	11.3	< 0.005	< 0.005	0.02	11.5
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	< 0.005	< 0.005	< 0.005	0.01	0.00	0.00	< 0.005	< 0.005	0.00	< 0.005	< 0.005	—	1.88	1.88	< 0.005	< 0.005	< 0.005	1.90
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00

3.12. Paving (2026) - Mitigated

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

Location	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Onsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.59	0.49	4.24	5.30	0.01	0.18	—	0.18	0.16	—	0.16	—	823	823	0.03	0.01	—	826
Paving	0.06	0.06	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00

Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.59	0.49	4.24	5.30	0.01	0.18	—	0.18	0.16	—	0.16	—	823	823	0.03	0.01	—	826
Paving	0.06	0.06	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.05	0.04	0.35	0.44	< 0.005	0.01	—	0.01	0.01	—	0.01	—	67.6	67.6	< 0.005	< 0.005	—	67.9
Paving	< 0.005	< 0.005	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.01	0.01	0.06	0.08	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	—	11.2	11.2	< 0.005	< 0.005	—	11.2
Paving	< 0.005	< 0.005	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Offsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.06	0.06	0.04	0.67	0.00	0.00	0.14	0.14	0.00	0.03	0.03	—	147	147	< 0.005	0.01	0.54	149
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00

Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.05	0.05	0.05	0.57	0.00	0.00	0.14	0.14	0.00	0.03	0.03	—	136	136	< 0.005	0.01	0.01	138
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	< 0.005	< 0.005	< 0.005	0.05	0.00	0.00	0.01	0.01	0.00	< 0.005	< 0.005	—	11.3	11.3	< 0.005	< 0.005	0.02	11.5
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	< 0.005	< 0.005	< 0.005	0.01	0.00	0.00	< 0.005	< 0.005	0.00	< 0.005	< 0.005	—	1.88	1.88	< 0.005	< 0.005	< 0.005	1.90
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00

3.13. Architectural Coating (2026) - Unmitigated

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

Location	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Onsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.15	0.12	0.86	1.13	< 0.005	0.02	—	0.02	0.02	—	0.02	—	134	134	0.01	< 0.005	—	134

Architectural Coating	2.94	2.94	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.01	0.01	0.08	0.10	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	—	11.7	11.7	< 0.005	< 0.005	—	11.7
Architectural Coatings	0.26	0.26	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	< 0.005	< 0.005	0.01	0.02	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	—	1.94	1.94	< 0.005	< 0.005	—	1.94
Architectural Coatings	0.05	0.05	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Offsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	< 0.005	< 0.005	< 0.005	0.02	0.00	0.00	< 0.005	< 0.005	0.00	< 0.005	< 0.005	—	4.11	4.11	< 0.005	< 0.005	< 0.005	4.17
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00

Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	< 0.005	< 0.005	< 0.005	< 0.005	0.00	0.00	< 0.005	< 0.005	0.00	< 0.005	< 0.005	—	0.36	0.36	< 0.005	< 0.005	< 0.005	0.37
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	< 0.005	< 0.005	< 0.005	< 0.005	0.00	0.00	< 0.005	< 0.005	0.00	< 0.005	< 0.005	—	0.06	0.06	< 0.005	< 0.005	< 0.005	0.06
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00

3.14. Architectural Coating (2026) - Mitigated

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

Location	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Onsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.15	0.12	0.86	1.13	< 0.005	0.02	—	0.02	0.02	—	0.02	—	134	134	0.01	< 0.005	—	134
Architectural Coatings	2.94	2.94	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

Off-Roa Equipment	0.01	0.01	0.08	0.10	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	—	11.7	11.7	< 0.005	< 0.005	—	11.7
Architectural Coatings	0.26	0.26	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	< 0.005	< 0.005	0.01	0.02	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	—	1.94	1.94	< 0.005	< 0.005	—	1.94
Architectural Coatings	0.05	0.05	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Offsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	< 0.005	< 0.005	< 0.005	0.02	0.00	0.00	< 0.005	< 0.005	0.00	< 0.005	< 0.005	—	4.11	4.11	< 0.005	< 0.005	< 0.005	4.17
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	< 0.005	< 0.005	< 0.005	< 0.005	0.00	0.00	< 0.005	< 0.005	0.00	< 0.005	< 0.005	—	0.36	0.36	< 0.005	< 0.005	< 0.005	0.37
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

Worker	< 0.005	< 0.005	< 0.005	< 0.005	0.00	0.00	< 0.005	< 0.005	0.00	< 0.005	< 0.005	—	0.06	0.06	< 0.005	< 0.005	< 0.005	0.06
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00

4. Operations Emissions Details

4.1. Mobile Emissions by Land Use

4.1.1. Unmitigated

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

Land Use	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Convenience Market with Gas Pumps	2.36	2.21	1.40	15.9	0.04	0.02	3.61	3.63	0.02	0.91	0.94	—	3,851	3,851	0.17	0.16	12.4	3,914
Parking Lot	0.01	< 0.005	0.08	0.04	< 0.005	< 0.005	0.01	0.01	< 0.005	< 0.005	< 0.005	—	49.2	49.2	< 0.005	0.01	0.09	51.7
Total	2.37	2.21	1.48	15.9	0.04	0.02	3.62	3.64	0.02	0.92	0.94	—	3,901	3,901	0.17	0.16	12.5	3,966
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Convenience Market with Gas Pumps	2.27	2.11	1.64	15.2	0.04	0.02	3.61	3.63	0.02	0.91	0.94	—	3,623	3,623	0.19	0.17	0.32	3,679
Parking Lot	0.01	< 0.005	0.08	0.04	< 0.005	< 0.005	0.01	0.01	< 0.005	< 0.005	< 0.005	—	49.2	49.2	< 0.005	0.01	< 0.005	51.7
Total	2.28	2.11	1.72	15.3	0.04	0.02	3.62	3.64	0.02	0.92	0.94	—	3,673	3,673	0.20	0.18	0.32	3,731

Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Convenience Market with Gas Pumps	0.41	0.38	0.28	2.68	0.01	< 0.005	0.64	0.65	< 0.005	0.16	0.17	—	605	605	0.03	0.03	0.88	615
Parking Lot	< 0.005	< 0.005	0.01	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	—	4.65	4.65	< 0.005	< 0.005	< 0.005	4.89
Total	0.41	0.38	0.29	2.68	0.01	< 0.005	0.64	0.65	< 0.005	0.16	0.17	—	610	610	0.03	0.03	0.89	620

4.1.2. Mitigated

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

Land Use	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Convenience Market with Gas Pumps	2.36	2.21	1.40	15.9	0.04	0.02	3.61	3.63	0.02	0.91	0.94	—	3,851	3,851	0.17	0.16	12.4	3,914
Parking Lot	0.01	< 0.005	0.08	0.04	< 0.005	< 0.005	0.01	0.01	< 0.005	< 0.005	< 0.005	—	49.2	49.2	< 0.005	0.01	0.09	51.7
Total	2.37	2.21	1.48	15.9	0.04	0.02	3.62	3.64	0.02	0.92	0.94	—	3,901	3,901	0.17	0.16	12.5	3,966
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Convenience Market with Gas Pumps	2.27	2.11	1.64	15.2	0.04	0.02	3.61	3.63	0.02	0.91	0.94	—	3,623	3,623	0.19	0.17	0.32	3,679
Parking Lot	0.01	< 0.005	0.08	0.04	< 0.005	< 0.005	0.01	0.01	< 0.005	< 0.005	< 0.005	—	49.2	49.2	< 0.005	0.01	< 0.005	51.7
Total	2.28	2.11	1.72	15.3	0.04	0.02	3.62	3.64	0.02	0.92	0.94	—	3,673	3,673	0.20	0.18	0.32	3,731

Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Convenience Market with Gas Pumps	0.41	0.38	0.28	2.68	0.01	< 0.005	0.64	0.65	< 0.005	0.16	0.17	—	605	605	0.03	0.03	0.88	615
Parking Lot	< 0.005	< 0.005	0.01	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	—	4.65	4.65	< 0.005	< 0.005	< 0.005	4.89
Total	0.41	0.38	0.29	2.68	0.01	< 0.005	0.64	0.65	< 0.005	0.16	0.17	—	610	610	0.03	0.03	0.89	620

4.2. Energy

4.2.1. Electricity Emissions By Land Use - Unmitigated

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

Land Use	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Convenience Market with Gas Pumps	—	—	—	—	—	—	—	—	—	—	—	—	238	238	0.04	< 0.005	—	240
Parking Lot	—	—	—	—	—	—	—	—	—	—	—	—	13.8	13.8	< 0.005	< 0.005	—	13.9
Total	—	—	—	—	—	—	—	—	—	—	—	—	251	251	0.04	< 0.005	—	254
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Convenience Market with Gas Pumps	—	—	—	—	—	—	—	—	—	—	—	—	238	238	0.04	< 0.005	—	240

Parking Lot	—	—	—	—	—	—	—	—	—	—	—	—	13.8	13.8	< 0.005	< 0.005	—	13.9
Total	—	—	—	—	—	—	—	—	—	—	—	—	251	251	0.04	< 0.005	—	254
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Convenience Market with Gas Pumps	—	—	—	—	—	—	—	—	—	—	—	—	39.3	39.3	0.01	< 0.005	—	39.7
Parking Lot	—	—	—	—	—	—	—	—	—	—	—	—	2.28	2.28	< 0.005	< 0.005	—	2.31
Total	—	—	—	—	—	—	—	—	—	—	—	—	41.6	41.6	0.01	< 0.005	—	42.0

4.2.2. Electricity Emissions By Land Use - Mitigated

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

Land Use	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Convenience Market with Gas Pumps	—	—	—	—	—	—	—	—	—	—	—	—	238	238	0.04	< 0.005	—	240
Parking Lot	—	—	—	—	—	—	—	—	—	—	—	—	13.8	13.8	< 0.005	< 0.005	—	13.9
Total	—	—	—	—	—	—	—	—	—	—	—	—	251	251	0.04	< 0.005	—	254
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Convenience Market with Gas Pumps	—	—	—	—	—	—	—	—	—	—	—	—	238	238	0.04	< 0.005	—	240

Parking Lot	—	—	—	—	—	—	—	—	—	—	—	—	13.8	13.8	< 0.005	< 0.005	—	13.9
Total	—	—	—	—	—	—	—	—	—	—	—	—	251	251	0.04	< 0.005	—	254
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Convenience Market with Gas Pumps	—	—	—	—	—	—	—	—	—	—	—	—	39.3	39.3	0.01	< 0.005	—	39.7
Parking Lot	—	—	—	—	—	—	—	—	—	—	—	—	2.28	2.28	< 0.005	< 0.005	—	2.31
Total	—	—	—	—	—	—	—	—	—	—	—	—	41.6	41.6	0.01	< 0.005	—	42.0

4.2.3. Natural Gas Emissions By Land Use - Unmitigated

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

Land Use	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Convenience Market with Gas Pumps	0.01	< 0.005	0.06	0.05	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	—	71.6	71.6	0.01	< 0.005	—	71.8
Parking Lot	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	—	0.00	—	0.00	0.00	0.00	0.00	—	0.00
Total	0.01	< 0.005	0.06	0.05	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	—	71.6	71.6	0.01	< 0.005	—	71.8
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Convenience Market with Gas Pumps	0.01	< 0.005	0.06	0.05	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	—	71.6	71.6	0.01	< 0.005	—	71.8

Parking Lot	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	—	0.00	—	0.00	0.00	0.00	0.00	—	0.00
Total	0.01	< 0.005	0.06	0.05	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	—	71.6	71.6	0.01	< 0.005	—	71.8
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Convenience Market with Gas Pumps	< 0.005	< 0.005	0.01	0.01	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	—	11.9	11.9	< 0.005	< 0.005	—	11.9
Parking Lot	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	—	0.00	—	0.00	0.00	0.00	0.00	—	0.00
Total	< 0.005	< 0.005	0.01	0.01	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	—	11.9	11.9	< 0.005	< 0.005	—	11.9

4.2.4. Natural Gas Emissions By Land Use - Mitigated

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

Land Use	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Convenience Market with Gas Pumps	0.01	< 0.005	0.06	0.05	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	—	71.6	71.6	0.01	< 0.005	—	71.8
Parking Lot	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	—	0.00	—	0.00	0.00	0.00	0.00	—	0.00
Total	0.01	< 0.005	0.06	0.05	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	—	71.6	71.6	0.01	< 0.005	—	71.8
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Convenience Market with Gas Pumps	0.01	< 0.005	0.06	0.05	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	—	71.6	71.6	0.01	< 0.005	—	71.8

Parking Lot	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	—	0.00	—	0.00	0.00	0.00	0.00	—	0.00
Total	0.01	< 0.005	0.06	0.05	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	—	71.6	71.6	0.01	< 0.005	—	71.8
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Convenience Market with Gas Pumps	< 0.005	< 0.005	0.01	0.01	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	—	11.9	11.9	< 0.005	< 0.005	—	11.9
Parking Lot	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	—	0.00	—	0.00	0.00	0.00	0.00	—	0.00
Total	< 0.005	< 0.005	0.01	0.01	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	—	11.9	11.9	< 0.005	< 0.005	—	11.9

4.3. Area Emissions by Source

4.3.1. Unmitigated

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

Source	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Consumer Products	0.18	0.18	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Architectural Coatings	0.03	0.03	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Landscape Equipment	0.06	0.06	< 0.005	0.36	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	—	1.48	1.48	< 0.005	< 0.005	—	1.48
Total	0.27	0.26	< 0.005	0.36	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	—	1.48	1.48	< 0.005	< 0.005	—	1.48

Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Consumer Products	0.18	0.18	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Architectural Coatings	0.03	0.03	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Total	0.20	0.20	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Consumer Products	0.03	0.03	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Architectural Coatings	< 0.005	< 0.005	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Landscape Equipment	0.01	0.01	< 0.005	0.03	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	—	0.12	0.12	< 0.005	< 0.005	—	0.12
Total	0.04	0.04	< 0.005	0.03	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	—	0.12	0.12	< 0.005	< 0.005	—	0.12

4.3.2. Mitigated

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

Source	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

Consumer Products	0.18	0.18	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Architectural Coatings	0.03	0.03	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Landscape Equipment	0.06	0.06	< 0.005	0.36	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	—	1.48	1.48	< 0.005	< 0.005	—	1.48
Total	0.27	0.26	< 0.005	0.36	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	—	1.48	1.48	< 0.005	< 0.005	—	1.48
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Consumer Products	0.18	0.18	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Architectural Coatings	0.03	0.03	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Total	0.20	0.20	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Consumer Products	0.03	0.03	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Architectural Coatings	< 0.005	< 0.005	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Landscape Equipment	0.01	0.01	< 0.005	0.03	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	—	0.12	0.12	< 0.005	< 0.005	—	0.12

Total	0.04	0.04	< 0.005	0.03	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	—	0.12	0.12	< 0.005	< 0.005	—	0.12

4.4. Water Emissions by Land Use

4.4.1. Unmitigated

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

Land Use	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Convenience Market with Gas Pumps	—	—	—	—	—	—	—	—	—	—	—	3.78	7.24	11.0	0.39	0.01	—	23.5
Parking Lot	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	0.00	—	0.00
Total	—	—	—	—	—	—	—	—	—	—	—	3.78	7.24	11.0	0.39	0.01	—	23.5
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Convenience Market with Gas Pumps	—	—	—	—	—	—	—	—	—	—	—	3.78	7.24	11.0	0.39	0.01	—	23.5
Parking Lot	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	0.00	—	0.00
Total	—	—	—	—	—	—	—	—	—	—	—	3.78	7.24	11.0	0.39	0.01	—	23.5
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

Convenience Market with Gas Pumps	—	—	—	—	—	—	—	—	—	—	—	0.63	1.20	1.82	0.06	< 0.005	—	3.89
Parking Lot	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	0.00	—	0.00
Total	—	—	—	—	—	—	—	—	—	—	—	0.63	1.20	1.82	0.06	< 0.005	—	3.89

4.4.2. Mitigated

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

Land Use	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Convenience Market with Gas Pumps	—	—	—	—	—	—	—	—	—	—	—	3.78	7.24	11.0	0.39	0.01	—	23.5
Parking Lot	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	0.00	—	0.00
Total	—	—	—	—	—	—	—	—	—	—	—	3.78	7.24	11.0	0.39	0.01	—	23.5
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Convenience Market with Gas Pumps	—	—	—	—	—	—	—	—	—	—	—	3.78	7.24	11.0	0.39	0.01	—	23.5
Parking Lot	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	0.00	—	0.00
Total	—	—	—	—	—	—	—	—	—	—	—	3.78	7.24	11.0	0.39	0.01	—	23.5
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

Convenience Market with Gas Pumps	—	—	—	—	—	—	—	—	—	—	—	0.63	1.20	1.82	0.06	< 0.005	—	3.89
Parking Lot	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	0.00	—	0.00
Total	—	—	—	—	—	—	—	—	—	—	—	0.63	1.20	1.82	0.06	< 0.005	—	3.89

4.5. Waste Emissions by Land Use

4.5.1. Unmitigated

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

Land Use	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Convenience Market with Gas Pumps	—	—	—	—	—	—	—	—	—	—	—	0.91	0.00	0.91	0.09	0.00	—	3.20
Parking Lot	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	0.00	—	0.00
Total	—	—	—	—	—	—	—	—	—	—	—	0.91	0.00	0.91	0.09	0.00	—	3.20
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Convenience Market with Gas Pumps	—	—	—	—	—	—	—	—	—	—	—	0.91	0.00	0.91	0.09	0.00	—	3.20
Parking Lot	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	0.00	—	0.00

Total	—	—	—	—	—	—	—	—	—	—	—	0.91	0.00	0.91	0.09	0.00	—	3.20
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Convenience Market with Gas Pumps	—	—	—	—	—	—	—	—	—	—	—	0.15	0.00	0.15	0.02	0.00	—	0.53
Parking Lot	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	0.00	—	0.00
Total	—	—	—	—	—	—	—	—	—	—	—	0.15	0.00	0.15	0.02	0.00	—	0.53

4.5.2. Mitigated

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

Land Use	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Convenience Market with Gas Pumps	—	—	—	—	—	—	—	—	—	—	—	0.91	0.00	0.91	0.09	0.00	—	3.20
Parking Lot	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	0.00	—	0.00
Total	—	—	—	—	—	—	—	—	—	—	—	0.91	0.00	0.91	0.09	0.00	—	3.20
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Convenience Market with Gas Pumps	—	—	—	—	—	—	—	—	—	—	—	0.91	0.00	0.91	0.09	0.00	—	3.20
Parking Lot	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	0.00	—	0.00

Total	—	—	—	—	—	—	—	—	—	—	—	0.91	0.00	0.91	0.09	0.00	—	3.20
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Convenience Market with Gas Pumps	—	—	—	—	—	—	—	—	—	—	—	0.15	0.00	0.15	0.02	0.00	—	0.53
Parking Lot	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	0.00	—	0.00
Total	—	—	—	—	—	—	—	—	—	—	—	0.15	0.00	0.15	0.02	0.00	—	0.53

4.6. Refrigerant Emissions by Land Use

4.6.1. Unmitigated

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

Land Use	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Convenience Market with Gas Pumps	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	1,711	1,711
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	1,711	1,711
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Convenience Market with Gas Pumps	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	1,711	1,711
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	1,711	1,711

Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Convenience Market with Gas Pumps	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	283	283
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	283	283

4.6.2. Mitigated

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

Land Use	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Convenience Market with Gas Pumps	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	1,711	1,711
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	1,711	1,711
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Convenience Market with Gas Pumps	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	1,711	1,711
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	1,711	1,711
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Convenience Market with Gas Pumps	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	283	283

Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	283	283

4.7. Offroad Emissions By Equipment Type

4.7.1. Unmitigated

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

Equipment Type	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

4.7.2. Mitigated

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

Equipment Type	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

4.8. Stationary Emissions By Equipment Type

4.8.1. Unmitigated

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

Equipment Type	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

4.8.2. Mitigated

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

Equipment Type	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

4.9. User Defined Emissions By Equipment Type

4.9.1. Unmitigated

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

Equipment Type	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

4.9.2. Mitigated

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

Equipment Type	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

4.10. Soil Carbon Accumulation By Vegetation Type

4.10.1. Soil Carbon Accumulation By Vegetation Type - Unmitigated

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

Vegetation	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

4.10.2. Above and Belowground Carbon Accumulation by Land Use Type - Unmitigated

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

Land Use	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

4.10.3. Avoided and Sequestered Emissions by Species - Unmitigated

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

Species	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Avoided	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Subtotal	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Sequestered	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Subtotal	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Removed	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Subtotal	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Avoided	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Subtotal	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Sequestered	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Subtotal	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Removed	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

Subtotal	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Avoided	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Subtotal	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Sequestered	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Subtotal	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Removed	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Subtotal	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

4.10.4. Soil Carbon Accumulation By Vegetation Type - Mitigated

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

Vegetation	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

4.10.5. Above and Belowground Carbon Accumulation by Land Use Type - Mitigated

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

Land Use	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

4.10.6. Avoided and Sequestered Emissions by Species - Mitigated

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

Species	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Avoided	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Subtotal	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Sequestered	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Subtotal	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Removed	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Subtotal	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Avoided	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

Subtotal	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Sequestered	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Subtotal	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Removed	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Subtotal	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Avoided	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Subtotal	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Sequestered	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Subtotal	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Removed	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Subtotal	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

5. Activity Data

5.1. Construction Schedule

Phase Name	Phase Type	Start Date	End Date	Days Per Week	Work Days per Phase	Phase Description
Demolition	Demolition	6/2/2025	6/9/2025	5.00	6.00	—
Site Preparation	Site Preparation	6/10/2025	9/1/2025	5.00	60.0	—
Grading	Grading	9/1/2025	10/10/2025	5.00	30.0	—
Building Construction	Building Construction	10/11/2025	9/18/2026	5.00	245	—
Paving	Paving	9/19/2026	10/30/2026	5.00	30.0	—
Architectural Coating	Architectural Coating	10/31/2026	12/15/2026	5.00	32.0	—

5.2. Off-Road Equipment

5.2.1. Unmitigated

Phase Name	Equipment Type	Fuel Type	Engine Tier	Number per Day	Hours Per Day	Horsepower	Load Factor
Demolition	Concrete/Industrial Saws	Diesel	Average	1.00	8.00	33.0	0.73
Demolition	Rubber Tired Dozers	Diesel	Average	1.00	1.00	367	0.40
Demolition	Tractors/Loaders/Backhoes	Diesel	Average	2.00	6.00	84.0	0.37
Site Preparation	Graders	Diesel	Average	1.00	8.00	148	0.41
Site Preparation	Tractors/Loaders/Backhoes	Diesel	Average	1.00	8.00	84.0	0.37
Grading	Graders	Diesel	Average	1.00	6.00	148	0.41
Grading	Rubber Tired Dozers	Diesel	Average	1.00	6.00	367	0.40
Grading	Tractors/Loaders/Backhoes	Diesel	Average	1.00	7.00	84.0	0.37
Building Construction	Cranes	Diesel	Average	1.00	4.00	367	0.29
Building Construction	Forklifts	Diesel	Average	2.00	6.00	82.0	0.20
Building Construction	Tractors/Loaders/Backhoes	Diesel	Average	2.00	8.00	84.0	0.37
Paving	Cement and Mortar Mixers	Diesel	Average	4.00	6.00	10.0	0.56
Paving	Pavers	Diesel	Average	1.00	7.00	81.0	0.42
Paving	Rollers	Diesel	Average	1.00	7.00	36.0	0.38
Paving	Tractors/Loaders/Backhoes	Diesel	Average	1.00	7.00	84.0	0.37
Architectural Coating	Air Compressors	Diesel	Average	1.00	6.00	37.0	0.48

5.2.2. Mitigated

Phase Name	Equipment Type	Fuel Type	Engine Tier	Number per Day	Hours Per Day	Horsepower	Load Factor

Demolition	Concrete/Industrial Saws	Diesel	Average	1.00	8.00	33.0	0.73
Demolition	Rubber Tired Dozers	Diesel	Average	1.00	1.00	367	0.40
Demolition	Tractors/Loaders/Backhoes	Diesel	Average	2.00	6.00	84.0	0.37
Site Preparation	Graders	Diesel	Average	1.00	8.00	148	0.41
Site Preparation	Tractors/Loaders/Backhoes	Diesel	Average	1.00	8.00	84.0	0.37
Grading	Graders	Diesel	Tier 4 Final	1.00	6.00	148	0.41
Grading	Rubber Tired Dozers	Diesel	Tier 4 Final	1.00	6.00	367	0.40
Grading	Tractors/Loaders/Backhoes	Diesel	Tier 4 Final	1.00	7.00	84.0	0.37
Building Construction	Cranes	Diesel	Tier 4 Final	1.00	4.00	367	0.29
Building Construction	Forklifts	Diesel	Tier 4 Final	2.00	6.00	82.0	0.20
Building Construction	Tractors/Loaders/Backhoes	Diesel	Tier 4 Final	2.00	8.00	84.0	0.37
Paving	Cement and Mortar Mixers	Diesel	Average	4.00	6.00	10.0	0.56
Paving	Pavers	Diesel	Average	1.00	7.00	81.0	0.42
Paving	Rollers	Diesel	Average	1.00	7.00	36.0	0.38
Paving	Tractors/Loaders/Backhoes	Diesel	Average	1.00	7.00	84.0	0.37
Architectural Coating	Air Compressors	Diesel	Average	1.00	6.00	37.0	0.48

5.3. Construction Vehicles

5.3.1. Unmitigated

Phase Name	Trip Type	One-Way Trips per Day	Miles per Trip	Vehicle Mix
Demolition	—	—	—	—
Demolition	Worker	30.0	11.7	LDA,LDT1,LDT2
Demolition	Vendor	—	8.40	HHDT,MHDT

Demolition	Hauling	32.2	20.0	HHDT
Demolition	Onsite truck	—	—	HHDT
Site Preparation	—	—	—	—
Site Preparation	Worker	5.00	11.7	LDA,LDT1,LDT2
Site Preparation	Vendor	—	8.40	HHDT,MHDT
Site Preparation	Hauling	1.60	20.0	HHDT
Site Preparation	Onsite truck	—	—	HHDT
Grading	—	—	—	—
Grading	Worker	7.50	11.7	LDA,LDT1,LDT2
Grading	Vendor	—	8.40	HHDT,MHDT
Grading	Hauling	0.00	20.0	HHDT
Grading	Onsite truck	—	—	HHDT
Building Construction	—	—	—	—
Building Construction	Worker	30.0	11.7	LDA,LDT1,LDT2
Building Construction	Vendor	1.35	8.40	HHDT,MHDT
Building Construction	Hauling	0.00	20.0	HHDT
Building Construction	Onsite truck	—	—	HHDT
Paving	—	—	—	—
Paving	Worker	17.5	11.7	LDA,LDT1,LDT2
Paving	Vendor	—	8.40	HHDT,MHDT
Paving	Hauling	0.00	20.0	HHDT
Paving	Onsite truck	—	—	HHDT
Architectural Coating	—	—	—	—
Architectural Coating	Worker	0.53	11.7	LDA,LDT1,LDT2
Architectural Coating	Vendor	—	8.40	HHDT,MHDT
Architectural Coating	Hauling	0.00	20.0	HHDT
Architectural Coating	Onsite truck	—	—	HHDT

5.3.2. Mitigated

Phase Name	Trip Type	One-Way Trips per Day	Miles per Trip	Vehicle Mix
Demolition	—	—	—	—
Demolition	Worker	30.0	11.7	LDA,LDT1,LDT2
Demolition	Vendor	—	8.40	HHDT,MHDT
Demolition	Hauling	32.2	20.0	HHDT
Demolition	Onsite truck	—	—	HHDT
Site Preparation	—	—	—	—
Site Preparation	Worker	5.00	11.7	LDA,LDT1,LDT2
Site Preparation	Vendor	—	8.40	HHDT,MHDT
Site Preparation	Hauling	1.60	20.0	HHDT
Site Preparation	Onsite truck	—	—	HHDT
Grading	—	—	—	—
Grading	Worker	7.50	11.7	LDA,LDT1,LDT2
Grading	Vendor	—	8.40	HHDT,MHDT
Grading	Hauling	0.00	20.0	HHDT
Grading	Onsite truck	—	—	HHDT
Building Construction	—	—	—	—
Building Construction	Worker	30.0	11.7	LDA,LDT1,LDT2
Building Construction	Vendor	1.35	8.40	HHDT,MHDT
Building Construction	Hauling	0.00	20.0	HHDT
Building Construction	Onsite truck	—	—	HHDT
Paving	—	—	—	—
Paving	Worker	17.5	11.7	LDA,LDT1,LDT2
Paving	Vendor	—	8.40	HHDT,MHDT
Paving	Hauling	0.00	20.0	HHDT
Paving	Onsite truck	—	—	HHDT
Architectural Coating	—	—	—	—

Architectural Coating	Worker	0.53	11.7	LDA,LDT1,LDT2
Architectural Coating	Vendor	—	8.40	HHDT,MHDT
Architectural Coating	Hauling	0.00	20.0	HHDT
Architectural Coating	Onsite truck	—	—	HHDT

5.4. Vehicles

5.4.1. Construction Vehicle Control Strategies

Non-applicable. No control strategies activated by user.

5.5. Architectural Coatings

Phase Name	Residential Interior Area Coated (sq ft)	Residential Exterior Area Coated (sq ft)	Non-Residential Interior Area Coated (sq ft)	Non-Residential Exterior Area Coated (sq ft)	Parking Area Coated (sq ft)
Architectural Coating	0.00	0.00	12,381	4,127	1,691

5.6. Dust Mitigation

5.6.1. Construction Earthmoving Activities

Phase Name	Material Imported (Cubic Yards)	Material Exported (Cubic Yards)	Acres Graded (acres)	Material Demolished (Ton of Debris)	Acres Paved (acres)
Demolition	0.00	0.00	0.00	770	—
Site Preparation	115	650	15.0	0.00	—
Paving	0.00	0.00	0.00	0.00	0.65

5.6.2. Construction Earthmoving Control Strategies

Non-applicable. No control strategies activated by user.

5.7. Construction Paving

Land Use	Area Paved (acres)	% Asphalt
Convenience Market with Gas Pumps	0.00	0%

Parking Lot	0.65	100%

5.8. Construction Electricity Consumption and Emissions Factors

kWh per Year and Emission Factor (lb/MWh)

Year	kWh per Year	CO2	CH4	N2O
2025	0.00	204	0.03	< 0.005
2026	0.00	204	0.03	< 0.005

5.9. Operational Mobile Sources

5.9.1. Unmitigated

Land Use Type	Trips/Weekday	Trips/Saturday	Trips/Sunday	Trips/Year	VMT/Weekday	VMT/Saturday	VMT/Sunday	VMT/Year
Convenience Market with Gas Pumps	745	745	745	271,925	5,112	5,112	5,112	1,865,836
Parking Lot	1.00	1.00	2.00	417	6.86	6.86	13.7	2,861

5.9.2. Mitigated

Land Use Type	Trips/Weekday	Trips/Saturday	Trips/Sunday	Trips/Year	VMT/Weekday	VMT/Saturday	VMT/Sunday	VMT/Year
Convenience Market with Gas Pumps	745	745	745	271,925	5,112	5,112	5,112	1,865,836
Parking Lot	1.00	1.00	2.00	417	6.86	6.86	13.7	2,861

5.10. Operational Area Sources

5.10.1. Hearths

5.10.1.1. Unmitigated

5.10.1.2. Mitigated

5.10.2. Architectural Coatings

Residential Interior Area Coated (sq ft)	Residential Exterior Area Coated (sq ft)	Non-Residential Interior Area Coated (sq ft)	Non-Residential Exterior Area Coated (sq ft)	Parking Area Coated (sq ft)
0	0.00	12,381	4,127	1,691

5.10.3. Landscape Equipment

Season	Unit	Value
Snow Days	day/yr	0.00
Summer Days	day/yr	180

5.10.4. Landscape Equipment - Mitigated

Season	Unit	Value
Snow Days	day/yr	0.00
Summer Days	day/yr	180

5.11. Operational Energy Consumption

5.11.1. Unmitigated

Electricity (kWh/yr) and CO2 and CH4 and N2O and Natural Gas (kBTU/yr)

Land Use	Electricity (kWh/yr)	CO2	CH4	N2O	Natural Gas (kBTU/yr)
Convenience Market with Gas Pumps	424,989	204	0.0330	0.0040	223,526
Parking Lot	24,691	204	0.0330	0.0040	0.00

5.11.2. Mitigated

Electricity (kWh/yr) and CO2 and CH4 and N2O and Natural Gas (kBTU/yr)

Land Use	Electricity (kWh/yr)	CO2	CH4	N2O	Natural Gas (kBTU/yr)
Convenience Market with Gas Pumps	424,989	204	0.0330	0.0040	223,526
Parking Lot	24,691	204	0.0330	0.0040	0.00

5.12. Operational Water and Wastewater Consumption

5.12.1. Unmitigated

Land Use	Indoor Water (gal/year)	Outdoor Water (gal/year)
Convenience Market with Gas Pumps	1,971,000	38,240
Parking Lot	0.00	0.00

5.12.2. Mitigated

Land Use	Indoor Water (gal/year)	Outdoor Water (gal/year)
Convenience Market with Gas Pumps	1,971,000	38,240
Parking Lot	0.00	0.00

5.13. Operational Waste Generation

5.13.1. Unmitigated

Land Use	Waste (ton/year)	Cogeneration (kWh/year)
Convenience Market with Gas Pumps	1.69	—
Parking Lot	0.00	—

5.13.2. Mitigated

Land Use	Waste (ton/year)	Cogeneration (kWh/year)
Convenience Market with Gas Pumps	1.69	—
Parking Lot	0.00	—

5.14. Operational Refrigeration and Air Conditioning Equipment

5.14.1. Unmitigated

Land Use Type	Equipment Type	Refrigerant	GWP	Quantity (kg)	Operations Leak Rate	Service Leak Rate	Times Serviced
Convenience Market with Gas Pumps	Other commercial A/C and heat pumps	R-410A	2,088	< 0.005	4.00	4.00	18.0
Convenience Market with Gas Pumps	Supermarket refrigeration and condensing units	R-404A	3,922	26.5	16.5	16.5	18.0

5.14.2. Mitigated

Land Use Type	Equipment Type	Refrigerant	GWP	Quantity (kg)	Operations Leak Rate	Service Leak Rate	Times Serviced
Convenience Market with Gas Pumps	Other commercial A/C and heat pumps	R-410A	2,088	< 0.005	4.00	4.00	18.0
Convenience Market with Gas Pumps	Supermarket refrigeration and condensing units	R-404A	3,922	26.5	16.5	16.5	18.0

5.15. Operational Off-Road Equipment

5.15.1. Unmitigated

Equipment Type	Fuel Type	Engine Tier	Number per Day	Hours Per Day	Horsepower	Load Factor

5.15.2. Mitigated

Equipment Type	Fuel Type	Engine Tier	Number per Day	Hours Per Day	Horsepower	Load Factor

5.16. Stationary Sources

5.16.1. Emergency Generators and Fire Pumps

Equipment Type	Fuel Type	Number per Day	Hours per Day	Hours per Year	Horsepower	Load Factor

5.16.2. Process Boilers

Equipment Type	Fuel Type	Number	Boiler Rating (MMBtu/hr)	Daily Heat Input (MMBtu/day)	Annual Heat Input (MMBtu/yr)

5.17. User Defined

Equipment Type	Fuel Type

5.18. Vegetation

5.18.1. Land Use Change

5.18.1.1. Unmitigated

Vegetation Land Use Type	Vegetation Soil Type	Initial Acres	Final Acres

5.18.1.2. Mitigated

Vegetation Land Use Type	Vegetation Soil Type	Initial Acres	Final Acres

5.18.1. Biomass Cover Type

5.18.1.1. Unmitigated

Biomass Cover Type	Initial Acres	Final Acres

5.18.1.2. Mitigated

Biomass Cover Type	Initial Acres	Final Acres

5.18.2. Sequestration

5.18.2.1. Unmitigated

Tree Type	Number	Electricity Saved (kWh/year)	Natural Gas Saved (btu/year)

5.18.2.2. Mitigated

Tree Type	Number	Electricity Saved (kWh/year)	Natural Gas Saved (btu/year)

6. Climate Risk Detailed Report

6.1. Climate Risk Summary

Cal-Adapt midcentury 2040–2059 average projections for four hazards are reported below for your project location. These are under Representation Concentration Pathway (RCP) 8.5 which assumes GHG emissions will continue to rise strongly through 2050 and then plateau around 2100.

Climate Hazard	Result for Project Location	Unit
Temperature and Extreme Heat	12.6	annual days of extreme heat
Extreme Precipitation	2.35	annual days with precipitation above 20 mm
Sea Level Rise	—	meters of inundation depth
Wildfire	0.00	annual hectares burned

Temperature and Extreme Heat data are for grid cell in which your project are located. The projection is based on the 98th historical percentile of daily maximum/minimum temperatures from observed historical data (32 climate model ensemble from Cal-Adapt, 2040–2059 average under RCP 8.5). Each grid cell is 6 kilometers (km) by 6 km, or 3.7 miles (mi) by 3.7 mi.
Extreme Precipitation data are for the grid cell in which your project are located. The threshold of 20 mm is equivalent to about ¾ an inch of rain, which would be light to moderate rainfall if received over a full day or heavy rain if received over a period of 2 to 4 hours. Each grid cell is 6 kilometers (km) by 6 km, or 3.7 miles (mi) by 3.7 mi.
Sea Level Rise data are for the grid cell in which your project are located. The projections are from Radke et al. (2017), as reported in Cal-Adapt (Radke et al., 2017, CEC-500-2017-008), and consider inundation location and depth for the San Francisco Bay, the Sacramento-San Joaquin River Delta and California coast resulting different increments of sea level rise coupled with extreme storm events. Users may select from four scenarios to view the range in potential inundation depth for the grid cell. The four scenarios are: No rise, 0.5 meter, 1.0 meter, 1.41 meters
Wildfire data are for the grid cell in which your project are located. The projections are from UC Davis, as reported in Cal-Adapt (2040–2059 average under RCP 8.5), and consider historical data of climate, vegetation, population density, and large (> 400 ha) fire history. Users may select from four model simulations to view the range in potential wildfire probabilities for the grid cell. The four simulations make different assumptions about expected rainfall and temperature are: Warmer/drier (HadGEM2-ES), Cooler/wetter (CNRM-CM5), Average conditions (CanESM2), Range of different rainfall and temperature possibilities (MIROC5). Each grid cell is 6 kilometers (km) by 6 km, or 3.7 miles (mi) by 3.7 mi.

6.2. Initial Climate Risk Scores

Climate Hazard	Exposure Score	Sensitivity Score	Adaptive Capacity Score	Vulnerability Score
Temperature and Extreme Heat	N/A	N/A	N/A	N/A
Extreme Precipitation	N/A	N/A	N/A	N/A
Sea Level Rise	N/A	N/A	N/A	N/A
Wildfire	N/A	N/A	N/A	N/A
Flooding	N/A	N/A	N/A	N/A
Drought	N/A	N/A	N/A	N/A
Snowpack Reduction	N/A	N/A	N/A	N/A
Air Quality Degradation	N/A	N/A	N/A	N/A

The sensitivity score reflects the extent to which a project would be adversely affected by exposure to a climate hazard. Exposure is rated on a scale of 1 to 5, with a score of 5 representing the greatest exposure.
The adaptive capacity of a project refers to its ability to manage and reduce vulnerabilities from projected climate hazards. Adaptive capacity is rated on a scale of 1 to 5, with a score of 5 representing the greatest ability to adapt.
The overall vulnerability scores are calculated based on the potential impacts and adaptive capacity assessments for each hazard. Scores do not include implementation of climate risk reduction measures.

6.3. Adjusted Climate Risk Scores

Climate Hazard	Exposure Score	Sensitivity Score	Adaptive Capacity Score	Vulnerability Score
Temperature and Extreme Heat	N/A	N/A	N/A	N/A
Extreme Precipitation	N/A	N/A	N/A	N/A
Sea Level Rise	N/A	N/A	N/A	N/A
Wildfire	N/A	N/A	N/A	N/A
Flooding	N/A	N/A	N/A	N/A
Drought	N/A	N/A	N/A	N/A
Snowpack Reduction	N/A	N/A	N/A	N/A
Air Quality Degradation	N/A	N/A	N/A	N/A

The sensitivity score reflects the extent to which a project would be adversely affected by exposure to a climate hazard. Exposure is rated on a scale of 1 to 5, with a score of 5 representing the greatest exposure.
The adaptive capacity of a project refers to its ability to manage and reduce vulnerabilities from projected climate hazards. Adaptive capacity is rated on a scale of 1 to 5, with a score of 5 representing the greatest ability to adapt.

The overall vulnerability scores are calculated based on the potential impacts and adaptive capacity assessments for each hazard. Scores include implementation of climate risk reduction measures.

6.4. Climate Risk Reduction Measures

7. Health and Equity Details

7.1. CalEnviroScreen 4.0 Scores

The maximum CalEnviroScreen score is 100. A high score (i.e., greater than 50) reflects a higher pollution burden compared to other census tracts in the state.

Indicator	Result for Project Census Tract
Exposure Indicators	—
AQ-Ozone	24.9
AQ-PM	32.0
AQ-DPM	74.7
Drinking Water	22.7
Lead Risk Housing	35.7
Pesticides	0.00
Toxic Releases	28.9
Traffic	97.7
Effect Indicators	—
CleanUp Sites	27.9
Groundwater	32.8
Haz Waste Facilities/Generators	20.3
Impaired Water Bodies	33.2
Solid Waste	0.00
Sensitive Population	—
Asthma	41.3
Cardio-vascular	30.9
Low Birth Weights	56.4
Socioeconomic Factor Indicators	—

Education	77.9
Housing	52.6
Linguistic	92.6
Poverty	31.3
Unemployment	79.7

7.2. Healthy Places Index Scores

The maximum Health Places Index score is 100. A high score (i.e., greater than 50) reflects healthier community conditions compared to other census tracts in the state.

Indicator	Result for Project Census Tract
Economic	—
Above Poverty	47.78647504
Employed	34.1075324
Median HI	79.80238676
Education	—
Bachelor's or higher	42.28153471
High school enrollment	100
Preschool enrollment	20.76222251
Transportation	—
Auto Access	87.47593995
Active commuting	17.69536764
Social	—
2-parent households	62.78711664
Voting	53.3042474
Neighborhood	—
Alcohol availability	62.01719492
Park access	43.11561658
Retail density	46.13114333
Supermarket access	30.46323624

Tree canopy	36.62261003
Housing	—
Homeownership	86.14140896
Housing habitability	54.26664956
Low-inc homeowner severe housing cost burden	37.13589118
Low-inc renter severe housing cost burden	57.2308482
Uncrowded housing	24.18837418
Health Outcomes	—
Insured adults	55.78082895
Arthritis	63.4
Asthma ER Admissions	68.0
High Blood Pressure	43.5
Cancer (excluding skin)	71.8
Asthma	65.7
Coronary Heart Disease	63.8
Chronic Obstructive Pulmonary Disease	56.7
Diagnosed Diabetes	27.5
Life Expectancy at Birth	53.4
Cognitively Disabled	52.2
Physically Disabled	57.4
Heart Attack ER Admissions	59.6
Mental Health Not Good	51.7
Chronic Kidney Disease	45.1
Obesity	75.0
Pedestrian Injuries	19.6
Physical Health Not Good	45.1
Stroke	51.7
Health Risk Behaviors	—

Binge Drinking	94.8
Current Smoker	50.3
No Leisure Time for Physical Activity	27.1
Climate Change Exposures	—
Wildfire Risk	0.0
SLR Inundation Area	0.0
Children	47.4
Elderly	42.6
English Speaking	7.2
Foreign-born	95.9
Outdoor Workers	58.9
Climate Change Adaptive Capacity	—
Impervious Surface Cover	29.1
Traffic Density	93.9
Traffic Access	68.7
Other Indices	—
Hardship	62.9
Other Decision Support	—
2016 Voting	51.7

7.3. Overall Health & Equity Scores

Metric	Result for Project Census Tract
CalEnviroScreen 4.0 Score for Project Location (a)	46.0
Healthy Places Index Score for Project Location (b)	53.0
Project Located in a Designated Disadvantaged Community (Senate Bill 535)	No
Project Located in a Low-Income Community (Assembly Bill 1550)	No
Project Located in a Community Air Protection Program Community (Assembly Bill 617)	No

a: The maximum CalEnviroScreen score is 100. A high score (i.e., greater than 50) reflects a higher pollution burden compared to other census tracts in the state.
b: The maximum Health Places Index score is 100. A high score (i.e., greater than 50) reflects healthier community conditions compared to other census tracts in the state.

7.4. Health & Equity Measures

No Health & Equity Measures selected.

7.5. Evaluation Scorecard

Health & Equity Evaluation Scorecard not completed.

7.6. Health & Equity Custom Measures

No Health & Equity Custom Measures created.

8. User Changes to Default Data

Screen	Justification
Land Use	Building square footage accounts for fuel canopy; convenience store; service bay; and car wash/equipment room. Parking lot land use provided to meet site acreage.
Construction: Construction Phases	Construction schedule provided.
Construction: Dust From Material Movement	Material cut and fill volumes provided.
Construction: Trips and VMT	Up to 15 workers required during peak construction activities.
Operations: Vehicle Data	Trip generation rate updated per project-specific traffic analysis. Food, beverage, and fuel delivery truck trips assigned to Parking Lot land use. 8 trips per week.
Operations: Fleet Mix	All trips assigned to Parking Lot land use would be deliveries (HHDT)
Operations: Water and Waste Water	Indoor water use represents water demand for convenience store (500 gpd) and care wash (950 gpd + 3,950 gpd), assuming 365 days of operation per year.

Tully 76 Service Project - Existing Conditions Detailed Report

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8. User Changes to Default Data

1. Basic Project Information

1.1. Basic Project Information

Data Field	Value
Project Name	Tully 76 Service Project - Existing Conditions
Operational Year	2027
Lead Agency	—
Land Use Scale	Project/site
Analysis Level for Defaults	County
Windspeed (m/s)	3.40
Precipitation (days)	35.0
Location	1152 Tully Rd, San Jose, CA 95122, USA
County	Santa Clara
City	San Jose
Air District	Bay Area AQMD
Air Basin	San Francisco Bay Area
TAZ	1919
EDFZ	1
Electric Utility	Pacific Gas & Electric Company
Gas Utility	Pacific Gas & Electric
App Version	2022.1.1.26

1.2. Land Use Types

Land Use Subtype	Size	Unit	Lot Acreage	Building Area (sq ft)	Landscape Area (sq ft)	Special Landscape Area (sq ft)	Population	Description
Convenience Market with Gas Pumps	6.00	Pump	0.02	3,495	0.00	—	—	—

Parking Lot	0.64	Acre	0.64	0.00	0.00	—	—	—

1.3. User-Selected Emission Reduction Measures by Emissions Sector

No measures selected

2. Emissions Summary

2.4. Operations Emissions Compared Against Thresholds

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

Un/Mit.	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Unmit.	1.45	1.36	0.81	9.08	0.02	0.02	2.02	2.04	0.01	0.51	0.53	1.49	2,306	2,308	0.26	0.09	732	3,073
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Unmit.	1.37	1.27	0.95	8.56	0.02	0.02	2.02	2.04	0.01	0.51	0.53	1.49	2,178	2,179	0.28	0.10	725	2,940
Average Daily (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Unmit.	1.36	1.27	0.89	8.33	0.02	0.02	1.98	1.99	0.01	0.50	0.52	1.49	2,196	2,197	0.27	0.09	728	2,960
Annual (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Unmit.	0.25	0.23	0.16	1.52	< 0.005	< 0.005	0.36	0.36	< 0.005	0.09	0.09	0.25	364	364	0.05	0.02	120	490

2.5. Operations Emissions by Sector, Unmitigated

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

Sector	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

Mobile	1.33	1.24	0.79	8.91	0.02	0.01	2.02	2.04	0.01	0.51	0.53	—	2,161	2,161	0.09	0.09	6.94	2,196
Area	0.12	0.11	< 0.005	0.15	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	—	0.63	0.63	< 0.005	< 0.005	—	0.63
Energy	< 0.005	< 0.005	0.03	0.02	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	—	145	145	0.02	< 0.005	—	146
Water	—	—	—	—	—	—	—	—	—	—	—	0.12	0.23	0.35	0.01	< 0.005	—	0.75
Waste	—	—	—	—	—	—	—	—	—	—	—	1.37	0.00	1.37	0.14	0.00	—	4.79
Refrig.	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	725	725
Total	1.45	1.36	0.81	9.08	0.02	0.02	2.02	2.04	0.01	0.51	0.53	1.49	2,306	2,308	0.26	0.09	732	3,073
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Mobile	1.27	1.18	0.92	8.53	0.02	0.01	2.02	2.04	0.01	0.51	0.53	—	2,033	2,033	0.11	0.10	0.18	2,065
Area	0.09	0.09	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Energy	< 0.005	< 0.005	0.03	0.02	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	—	145	145	0.02	< 0.005	—	146
Water	—	—	—	—	—	—	—	—	—	—	—	0.12	0.23	0.35	0.01	< 0.005	—	0.75
Waste	—	—	—	—	—	—	—	—	—	—	—	1.37	0.00	1.37	0.14	0.00	—	4.79
Refrig.	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	725	725
Total	1.37	1.27	0.95	8.56	0.02	0.02	2.02	2.04	0.01	0.51	0.53	1.49	2,178	2,179	0.28	0.10	725	2,940
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Mobile	1.26	1.17	0.87	8.23	0.02	0.01	1.98	1.99	0.01	0.50	0.51	—	2,050	2,050	0.10	0.09	3.00	2,084
Area	0.10	0.10	< 0.005	0.07	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	—	0.31	0.31	< 0.005	< 0.005	—	0.31
Energy	< 0.005	< 0.005	0.03	0.02	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	—	145	145	0.02	< 0.005	—	146
Water	—	—	—	—	—	—	—	—	—	—	—	0.12	0.23	0.35	0.01	< 0.005	—	0.75
Waste	—	—	—	—	—	—	—	—	—	—	—	1.37	0.00	1.37	0.14	0.00	—	4.79
Refrig.	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	725	725
Total	1.36	1.27	0.89	8.33	0.02	0.02	1.98	1.99	0.01	0.50	0.52	1.49	2,196	2,197	0.27	0.09	728	2,960
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Mobile	0.23	0.21	0.16	1.50	< 0.005	< 0.005	0.36	0.36	< 0.005	0.09	0.09	—	339	339	0.02	0.02	0.50	345
Area	0.02	0.02	< 0.005	0.01	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	—	0.05	0.05	< 0.005	< 0.005	—	0.05

Energy	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	—	23.9	23.9	< 0.005	< 0.005	—	24.1
Water	—	—	—	—	—	—	—	—	—	—	—	0.02	0.04	0.06	< 0.005	< 0.005	—	0.12
Waste	—	—	—	—	—	—	—	—	—	—	—	0.23	0.00	0.23	0.02	0.00	—	0.79
Refrig.	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	120	120
Total	0.25	0.23	0.16	1.52	< 0.005	< 0.005	0.36	0.36	< 0.005	0.09	0.09	0.25	364	364	0.05	0.02	120	490

4. Operations Emissions Details

4.1. Mobile Emissions by Land Use

4.1.1. Unmitigated

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

Land Use	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Convenience Market with Gas Pumps	1.33	1.24	0.79	8.91	0.02	0.01	2.02	2.04	0.01	0.51	0.53	—	2,161	2,161	0.09	0.09	6.94	2,196
Parking Lot	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Total	1.33	1.24	0.79	8.91	0.02	0.01	2.02	2.04	0.01	0.51	0.53	—	2,161	2,161	0.09	0.09	6.94	2,196
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Convenience Market with Gas Pumps	1.27	1.18	0.92	8.53	0.02	0.01	2.02	2.04	0.01	0.51	0.53	—	2,033	2,033	0.11	0.10	0.18	2,065

Parking Lot	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Total	1.27	1.18	0.92	8.53	0.02	0.01	2.02	2.04	0.01	0.51	0.53	—	2,033	2,033	0.11	0.10	0.18	2,065
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Convenience Market with Gas Pumps	0.23	0.21	0.16	1.50	< 0.005	< 0.005	0.36	0.36	< 0.005	0.09	0.09	—	339	339	0.02	0.02	0.50	345
Parking Lot	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Total	0.23	0.21	0.16	1.50	< 0.005	< 0.005	0.36	0.36	< 0.005	0.09	0.09	—	339	339	0.02	0.02	0.50	345

4.2. Energy

4.2.1. Electricity Emissions By Land Use - Unmitigated

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

Land Use	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Convenience Market with Gas Pumps	—	—	—	—	—	—	—	—	—	—	—	—	101	101	0.02	< 0.005	—	102
Parking Lot	—	—	—	—	—	—	—	—	—	—	—	—	13.7	13.7	< 0.005	< 0.005	—	13.8
Total	—	—	—	—	—	—	—	—	—	—	—	—	114	114	0.02	< 0.005	—	115
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

Convenience Market with Gas Pumps	—	—	—	—	—	—	—	—	—	—	—	—	101	101	0.02	< 0.005	—	102
Parking Lot	—	—	—	—	—	—	—	—	—	—	—	—	13.7	13.7	< 0.005	< 0.005	—	13.8
Total	—	—	—	—	—	—	—	—	—	—	—	—	114	114	0.02	< 0.005	—	115
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Convenience Market with Gas Pumps	—	—	—	—	—	—	—	—	—	—	—	—	16.7	16.7	< 0.005	< 0.005	—	16.8
Parking Lot	—	—	—	—	—	—	—	—	—	—	—	—	2.26	2.26	< 0.005	< 0.005	—	2.28
Total	—	—	—	—	—	—	—	—	—	—	—	—	18.9	18.9	< 0.005	< 0.005	—	19.1

4.2.3. Natural Gas Emissions By Land Use - Unmitigated

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

Land Use	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Convenience Market with Gas Pumps	< 0.005	< 0.005	0.03	0.02	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	—	30.3	30.3	< 0.005	< 0.005	—	30.4
Parking Lot	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	—	0.00	—	0.00	0.00	0.00	0.00	—	0.00
Total	< 0.005	< 0.005	0.03	0.02	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	—	30.3	30.3	< 0.005	< 0.005	—	30.4
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

Convenience Market with Gas Pumps	< 0.005	< 0.005	0.03	0.02	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	—	30.3	30.3	< 0.005	< 0.005	—	30.4
Parking Lot	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	—	0.00	—	0.00	0.00	0.00	0.00	—	0.00
Total	< 0.005	< 0.005	0.03	0.02	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	—	30.3	30.3	< 0.005	< 0.005	—	30.4
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Convenience Market with Gas Pumps	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	—	5.02	5.02	< 0.005	< 0.005	—	5.04
Parking Lot	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	—	0.00	—	0.00	0.00	0.00	0.00	—	0.00
Total	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	—	5.02	5.02	< 0.005	< 0.005	—	5.04

4.3. Area Emissions by Source

4.3.1. Unmitigated

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

Source	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Consumer Products	0.08	0.08	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Architectural Coatings	0.01	0.01	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

Landscape Equipm	0.03	0.02	< 0.005	0.15	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	—	0.63	0.63	< 0.005	< 0.005	—	0.63
Total	0.12	0.11	< 0.005	0.15	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	—	0.63	0.63	< 0.005	< 0.005	—	0.63
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Consumer Products	0.08	0.08	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Architectural Coatings	0.01	0.01	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Total	0.09	0.09	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Consumer Products	0.01	0.01	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Architectural Coatings	< 0.005	< 0.005	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Landscape Equipment	< 0.005	< 0.005	< 0.005	0.01	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	—	0.05	0.05	< 0.005	< 0.005	—	0.05
Total	0.02	0.02	< 0.005	0.01	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	—	0.05	0.05	< 0.005	< 0.005	—	0.05

4.4. Water Emissions by Land Use

4.4.1. Unmitigated

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

Land Use	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Convenience Market with Gas Pumps	—	—	—	—	—	—	—	—	—	—	—	0.12	0.23	0.35	0.01	< 0.005	—	0.75
Parking Lot	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	0.00	—	0.00
Total	—	—	—	—	—	—	—	—	—	—	—	0.12	0.23	0.35	0.01	< 0.005	—	0.75
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Convenience Market with Gas Pumps	—	—	—	—	—	—	—	—	—	—	—	0.12	0.23	0.35	0.01	< 0.005	—	0.75
Parking Lot	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	0.00	—	0.00
Total	—	—	—	—	—	—	—	—	—	—	—	0.12	0.23	0.35	0.01	< 0.005	—	0.75
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Convenience Market with Gas Pumps	—	—	—	—	—	—	—	—	—	—	—	0.02	0.04	0.06	< 0.005	< 0.005	—	0.12
Parking Lot	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	0.00	—	0.00
Total	—	—	—	—	—	—	—	—	—	—	—	0.02	0.04	0.06	< 0.005	< 0.005	—	0.12

4.5. Waste Emissions by Land Use

4.5.1. Unmitigated

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

Land Use	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Convenience Market with Gas Pumps	—	—	—	—	—	—	—	—	—	—	—	1.37	0.00	1.37	0.14	0.00	—	4.79
Parking Lot	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	0.00	—	0.00
Total	—	—	—	—	—	—	—	—	—	—	—	1.37	0.00	1.37	0.14	0.00	—	4.79
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Convenience Market with Gas Pumps	—	—	—	—	—	—	—	—	—	—	—	1.37	0.00	1.37	0.14	0.00	—	4.79
Parking Lot	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	0.00	—	0.00
Total	—	—	—	—	—	—	—	—	—	—	—	1.37	0.00	1.37	0.14	0.00	—	4.79
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Convenience Market with Gas Pumps	—	—	—	—	—	—	—	—	—	—	—	0.23	0.00	0.23	0.02	0.00	—	0.79
Parking Lot	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	0.00	—	0.00
Total	—	—	—	—	—	—	—	—	—	—	—	0.23	0.00	0.23	0.02	0.00	—	0.79

4.6. Refrigerant Emissions by Land Use

4.6.1. Unmitigated

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

Land Use	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Convenience Market with Gas Pumps	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	725	725
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	725	725
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Convenience Market with Gas Pumps	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	725	725
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	725	725
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Convenience Market with Gas Pumps	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	120	120
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	120	120

4.7. Offroad Emissions By Equipment Type

4.7.1. Unmitigated

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

Equipment Type	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

4.8. Stationary Emissions By Equipment Type

4.8.1. Unmitigated

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

Equipment Type	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

4.9. User Defined Emissions By Equipment Type

4.9.1. Unmitigated

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

Equipment Type	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

4.10. Soil Carbon Accumulation By Vegetation Type

4.10.1. Soil Carbon Accumulation By Vegetation Type - Unmitigated

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

Vegetation	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

4.10.2. Above and Belowground Carbon Accumulation by Land Use Type - Unmitigated

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

Land Use	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

4.10.3. Avoided and Sequestered Emissions by Species - Unmitigated

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

Species	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Avoided	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Subtotal	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Sequestered	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Subtotal	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

Removed	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Subtotal	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Avoided	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Subtotal	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Sequestered	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Subtotal	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Removed	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Subtotal	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Avoided	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Subtotal	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Sequestered	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Subtotal	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Removed	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Subtotal	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

5. Activity Data

5.9. Operational Mobile Sources

5.9.1. Unmitigated

Land Use Type	Trips/Weekday	Trips/Saturday	Trips/Sunday	Trips/Year	VMT/Weekday	VMT/Saturday	VMT/Sunday	VMT/Year
Convenience Market with Gas Pumps	418	418	418	152,577	2,868	2,868	2,868	1,046,922
Parking Lot	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

5.10. Operational Area Sources

5.10.1. Hearths

5.10.1.1. Unmitigated

5.10.2. Architectural Coatings

Residential Interior Area Coated (sq ft)	Residential Exterior Area Coated (sq ft)	Non-Residential Interior Area Coated (sq ft)	Non-Residential Exterior Area Coated (sq ft)	Parking Area Coated (sq ft)
0	0.00	5,243	1,748	1,674

5.10.3. Landscape Equipment

Season	Unit	Value
Snow Days	day/yr	0.00
Summer Days	day/yr	180

5.11. Operational Energy Consumption

5.11.1. Unmitigated

Electricity (kWh/yr) and CO2 and CH4 and N2O and Natural Gas (kBTU/yr)

Land Use	Electricity (kWh/yr)	CO2	CH4	N2O	Natural Gas (kBTU/yr)

Convenience Market with Gas Pumps	179,953	204	0.0330	0.0040	94,648
Parking Lot	24,444	204	0.0330	0.0040	0.00

5.12. Operational Water and Wastewater Consumption

5.12.1. Unmitigated

Land Use	Indoor Water (gal/year)	Outdoor Water (gal/year)
Convenience Market with Gas Pumps	62,743	0.00
Parking Lot	0.00	0.00

5.13. Operational Waste Generation

5.13.1. Unmitigated

Land Use	Waste (ton/year)	Cogeneration (kWh/year)
Convenience Market with Gas Pumps	2.54	—
Parking Lot	0.00	—

5.14. Operational Refrigeration and Air Conditioning Equipment

5.14.1. Unmitigated

Land Use Type	Equipment Type	Refrigerant	GWP	Quantity (kg)	Operations Leak Rate	Service Leak Rate	Times Serviced
Convenience Market with Gas Pumps	Other commercial A/C and heat pumps	R-410A	2,088	< 0.005	4.00	4.00	18.0
Convenience Market with Gas Pumps	Supermarket refrigeration and condensing units	R-404A	3,922	26.5	16.5	16.5	18.0

5.15. Operational Off-Road Equipment

5.15.1. Unmitigated

Equipment Type	Fuel Type	Engine Tier	Number per Day	Hours Per Day	Horsepower	Load Factor

5.16. Stationary Sources

5.16.1. Emergency Generators and Fire Pumps

Equipment Type	Fuel Type	Number per Day	Hours per Day	Hours per Year	Horsepower	Load Factor

5.16.2. Process Boilers

Equipment Type	Fuel Type	Number	Boiler Rating (MMBtu/hr)	Daily Heat Input (MMBtu/day)	Annual Heat Input (MMBtu/yr)

5.17. User Defined

Equipment Type	Fuel Type

5.18. Vegetation

5.18.1. Land Use Change

5.18.1.1. Unmitigated

Vegetation Land Use Type	Vegetation Soil Type	Initial Acres	Final Acres

5.18.1. Biomass Cover Type

5.18.1.1. Unmitigated

Biomass Cover Type	Initial Acres	Final Acres

5.18.2. Sequestration

5.18.2.1. Unmitigated

Tree Type	Number	Electricity Saved (kWh/year)	Natural Gas Saved (btu/year)

6. Climate Risk Detailed Report

6.1. Climate Risk Summary

Cal-Adapt midcentury 2040–2059 average projections for four hazards are reported below for your project location. These are under Representation Concentration Pathway (RCP) 8.5 which assumes GHG emissions will continue to rise strongly through 2050 and then plateau around 2100.

Climate Hazard	Result for Project Location	Unit
Temperature and Extreme Heat	12.6	annual days of extreme heat
Extreme Precipitation	2.35	annual days with precipitation above 20 mm
Sea Level Rise	—	meters of inundation depth
Wildfire	0.00	annual hectares burned

Temperature and Extreme Heat data are for grid cell in which your project are located. The projection is based on the 98th historical percentile of daily maximum/minimum temperatures from observed historical data (32 climate model ensemble from Cal-Adapt, 2040–2059 average under RCP 8.5). Each grid cell is 6 kilometers (km) by 6 km, or 3.7 miles (mi) by 3.7 mi.
Extreme Precipitation data are for the grid cell in which your project are located. The threshold of 20 mm is equivalent to about ¾ an inch of rain, which would be light to moderate rainfall if received over a full day or heavy rain if received over a period of 2 to 4 hours. Each grid cell is 6 kilometers (km) by 6 km, or 3.7 miles (mi) by 3.7 mi.
Sea Level Rise data are for the grid cell in which your project are located. The projections are from Radke et al. (2017), as reported in Cal-Adapt (Radke et al., 2017, CEC-500-2017-008), and consider inundation location and depth for the San Francisco Bay, the Sacramento-San Joaquin River Delta and California coast resulting different increments of sea level rise coupled with extreme storm events. Users may select from four scenarios to view the range in potential inundation depth for the grid cell. The four scenarios are: No rise, 0.5 meter, 1.0 meter, 1.41 meters
Wildfire data are for the grid cell in which your project are located. The projections are from UC Davis, as reported in Cal-Adapt (2040–2059 average under RCP 8.5), and consider historical data of climate, vegetation, population density, and large (> 400 ha) fire history. Users may select from four model simulations to view the range in potential wildfire probabilities for the grid cell. The four simulations make different assumptions about expected rainfall and temperature are: Warmer/drier (HadGEM2-ES), Cooler/wetter (CNRM-CM5), Average conditions (CanESM2), Range of different rainfall and temperature possibilities (MIROC5). Each grid cell is 6 kilometers (km) by 6 km, or 3.7 miles (mi) by 3.7 mi.

6.2. Initial Climate Risk Scores

Climate Hazard	Exposure Score	Sensitivity Score	Adaptive Capacity Score	Vulnerability Score
Temperature and Extreme Heat	N/A	N/A	N/A	N/A
Extreme Precipitation	N/A	N/A	N/A	N/A
Sea Level Rise	N/A	N/A	N/A	N/A
Wildfire	N/A	N/A	N/A	N/A

Flooding	N/A	N/A	N/A	N/A
Drought	N/A	N/A	N/A	N/A
Snowpack Reduction	N/A	N/A	N/A	N/A
Air Quality Degradation	N/A	N/A	N/A	N/A

The sensitivity score reflects the extent to which a project would be adversely affected by exposure to a climate hazard. Exposure is rated on a scale of 1 to 5, with a score of 5 representing the greatest exposure.
The adaptive capacity of a project refers to its ability to manage and reduce vulnerabilities from projected climate hazards. Adaptive capacity is rated on a scale of 1 to 5, with a score of 5 representing the greatest ability to adapt.
The overall vulnerability scores are calculated based on the potential impacts and adaptive capacity assessments for each hazard. Scores do not include implementation of climate risk reduction measures.

6.3. Adjusted Climate Risk Scores

Climate Hazard	Exposure Score	Sensitivity Score	Adaptive Capacity Score	Vulnerability Score
Temperature and Extreme Heat	N/A	N/A	N/A	N/A
Extreme Precipitation	N/A	N/A	N/A	N/A
Sea Level Rise	N/A	N/A	N/A	N/A
Wildfire	N/A	N/A	N/A	N/A
Flooding	N/A	N/A	N/A	N/A
Drought	N/A	N/A	N/A	N/A
Snowpack Reduction	N/A	N/A	N/A	N/A
Air Quality Degradation	N/A	N/A	N/A	N/A

The sensitivity score reflects the extent to which a project would be adversely affected by exposure to a climate hazard. Exposure is rated on a scale of 1 to 5, with a score of 5 representing the greatest exposure.
The adaptive capacity of a project refers to its ability to manage and reduce vulnerabilities from projected climate hazards. Adaptive capacity is rated on a scale of 1 to 5, with a score of 5 representing the greatest ability to adapt.
The overall vulnerability scores are calculated based on the potential impacts and adaptive capacity assessments for each hazard. Scores include implementation of climate risk reduction measures.

6.4. Climate Risk Reduction Measures

7. Health and Equity Details

7.1. CalEnviroScreen 4.0 Scores

The maximum CalEnviroScreen score is 100. A high score (i.e., greater than 50) reflects a higher pollution burden compared to other census tracts in the state.

Indicator	Result for Project Census Tract
Exposure Indicators	—
AQ-Ozone	24.9
AQ-PM	32.0
AQ-DPM	74.7
Drinking Water	22.7
Lead Risk Housing	35.7
Pesticides	0.00
Toxic Releases	28.9
Traffic	97.7
Effect Indicators	—
CleanUp Sites	27.9
Groundwater	32.8
Haz Waste Facilities/Generators	20.3
Impaired Water Bodies	33.2
Solid Waste	0.00
Sensitive Population	—
Asthma	41.3
Cardio-vascular	30.9
Low Birth Weights	56.4
Socioeconomic Factor Indicators	—
Education	77.9
Housing	52.6
Linguistic	92.6
Poverty	31.3
Unemployment	79.7

7.2. Healthy Places Index Scores

The maximum Health Places Index score is 100. A high score (i.e., greater than 50) reflects healthier community conditions compared to other census tracts in the state.

Indicator	Result for Project Census Tract
Economic	—
Above Poverty	47.78647504
Employed	34.1075324
Median HI	79.80238676
Education	—
Bachelor's or higher	42.28153471
High school enrollment	100
Preschool enrollment	20.76222251
Transportation	—
Auto Access	87.47593995
Active commuting	17.69536764
Social	—
2-parent households	62.78711664
Voting	53.3042474
Neighborhood	—
Alcohol availability	62.01719492
Park access	43.11561658
Retail density	46.13114333
Supermarket access	30.46323624
Tree canopy	36.62261003
Housing	—
Homeownership	86.14140896
Housing habitability	54.26664956
Low-inc homeowner severe housing cost burden	37.13589118
Low-inc renter severe housing cost burden	57.2308482

Uncrowded housing	24.18837418
Health Outcomes	—
Insured adults	55.78082895
Arthritis	63.4
Asthma ER Admissions	68.0
High Blood Pressure	43.5
Cancer (excluding skin)	71.8
Asthma	65.7
Coronary Heart Disease	63.8
Chronic Obstructive Pulmonary Disease	56.7
Diagnosed Diabetes	27.5
Life Expectancy at Birth	53.4
Cognitively Disabled	52.2
Physically Disabled	57.4
Heart Attack ER Admissions	59.6
Mental Health Not Good	51.7
Chronic Kidney Disease	45.1
Obesity	75.0
Pedestrian Injuries	19.6
Physical Health Not Good	45.1
Stroke	51.7
Health Risk Behaviors	—
Binge Drinking	94.8
Current Smoker	50.3
No Leisure Time for Physical Activity	27.1
Climate Change Exposures	—
Wildfire Risk	0.0
SLR Inundation Area	0.0

Children	47.4
Elderly	42.6
English Speaking	7.2
Foreign-born	95.9
Outdoor Workers	58.9
Climate Change Adaptive Capacity	—
Impervious Surface Cover	29.1
Traffic Density	93.9
Traffic Access	68.7
Other Indices	—
Hardship	62.9
Other Decision Support	—
2016 Voting	51.7

7.3. Overall Health & Equity Scores

Metric	Result for Project Census Tract
CalEnviroScreen 4.0 Score for Project Location (a)	46.0
Healthy Places Index Score for Project Location (b)	53.0
Project Located in a Designated Disadvantaged Community (Senate Bill 535)	No
Project Located in a Low-Income Community (Assembly Bill 1550)	No
Project Located in a Community Air Protection Program Community (Assembly Bill 617)	No

a: The maximum CalEnviroScreen score is 100. A high score (i.e., greater than 50) reflects a higher pollution burden compared to other census tracts in the state.
b: The maximum Health Places Index score is 100. A high score (i.e., greater than 50) reflects healthier community conditions compared to other census tracts in the state.

7.4. Health & Equity Measures

No Health & Equity Measures selected.

7.5. Evaluation Scorecard

Health & Equity Evaluation Scorecard not completed.

7.6. Health & Equity Custom Measures

No Health & Equity Custom Measures created.

8. User Changes to Default Data

Screen	Justification
Land Use	Building square footage accounts for fuel canopy structure plus convenience store. Parking lot land use provided to meet site acreage.
Operations: Vehicle Data	Trip generation adjusted per project-specific traffic analysis.

DEMOLTION DEBRIS

Cubic Yards of Demolition Debris (Buildings)

$$\frac{\text{length x width x height x 0.33}}{27} = \text{CY}$$

**The equation accounts for air space within buildings.

Land Use Sizes

	Dimensions				
Land Use	**height (ft)**	**length (ft)**	**width(ft)**	**Volume (ft^3)**	**Volume (CY)**
Store	15	45	75	50625	618.75
Canopy 1	16	55	30	26400	322.6666667
Canopy 2	16	25	30	12000	146.6666667

	Capacity (gallons)	**Average Weight (lbs)**
UST 1	10,000	7,500
UST 2	10,000	7,500
UST 3	500	745

Tons of Demolition Debris

Buildings

Land Use	**Cubic Yards**	**Conversion (tons/CY)**	**Tons**
Store	619	0.7	433
Canopy 1	323	0.7	226
Canopy 2	147	0.7	103

USTs

	Average Weight		**Tons**
UST (1 through 3)	15,745		8
		TOTAL	**770**

References

FEMA. 2010. Debris Estimating Field Guide. Available online at: https://www.fema.gov/sites/default/files/2020-07/fema_329_debris-estimating_field-guide_9-1-2010.pdf

Syracuse Land Bank. 2011. Construction and Demolition Debris Wright to Volume Conversion. Available online at: http://syracuselandbank.org/wp-content/uploads/2014/07/CD-weight-to-volume-calculation-Waste-Cap-from-other-sources.pdf

Geoforward. 2024. Underground Storage Tank Size & Volumes. Available online at: https://www.geoforward.com/underground-storage-tank-sizes-volumes/

Appendix B Health Risk Assessment

Construction AERMOD and HARP output files

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** AERMOD View Ver. 12.0.0
** Lakes Environmental Software Inc.
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   LOCATION VOL4         VOLUME     603129.851  4130460.233       38.880
   LOCATION VOL5         VOLUME     603129.851  4130470.233       38.880
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** DTMRGN   Global Definition
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** AERMOD View Ver. 12.0.0
** Lakes Environmental Software Inc.
** Date: 7/19/2024
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** AERMOD Control Pathway
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   AVERTIME 1 ANNUAL
   URBANOPT 1010000 San_Jose
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** Source ID - Type - X Coord. - Y Coord. **
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   LOCATION VOL2         VOLUME     603119.851  4130470.233       38.780
   LOCATION VOL3         VOLUME     603129.851  4130450.233       38.880
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   LOCATION VOL5         VOLUME     603129.851  4130470.233       38.880
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   LOCATION VOL11        VOLUME     603139.851  4130480.233       38.950
   LOCATION VOL12        VOLUME     603139.851  4130490.233       38.860
   LOCATION VOL13        VOLUME     603149.851  4130450.233       39.010
   LOCATION VOL14        VOLUME     603149.851  4130460.233       39.010
```

```
   LOCATION VOL15        VOLUME     603149.851  4130470.233       39.010
   LOCATION VOL16        VOLUME     603149.851  4130480.233       38.980
   LOCATION VOL17        VOLUME     603149.851  4130490.233       38.910
   LOCATION VOL18        VOLUME     603159.851  4130460.233       39.010
   LOCATION VOL19        VOLUME     603159.851  4130470.233       39.010
** Source Parameters **
   SRCPARAM VOL1         0.0000311684     5.000     2.330     1.400
   SRCPARAM VOL2         0.0000311684     5.000     2.330     1.400
   SRCPARAM VOL3         0.0000311684     5.000     2.330     1.400
   SRCPARAM VOL4         0.0000311684     5.000     2.330     1.400
   SRCPARAM VOL5         0.0000311684     5.000     2.330     1.400
   SRCPARAM VOL6         0.0000311684     5.000     2.330     1.400
   SRCPARAM VOL7         0.0000311684     5.000     2.330     1.400
   SRCPARAM VOL8         0.0000311684     5.000     2.330     1.400
   SRCPARAM VOL9         0.0000311684     5.000     2.330     1.400
   SRCPARAM VOL10        0.0000311684     5.000     2.330     1.400
   SRCPARAM VOL11        0.0000311684     5.000     2.330     1.400
   SRCPARAM VOL12        0.0000311684     5.000     2.330     1.400
   SRCPARAM VOL13        0.0000311684     5.000     2.330     1.400
   SRCPARAM VOL14        0.0000311684     5.000     2.330     1.400
   SRCPARAM VOL15        0.0000311684     5.000     2.330     1.400
   SRCPARAM VOL16        0.0000311684     5.000     2.330     1.400
   SRCPARAM VOL17        0.0000311684     5.000     2.330     1.400
   SRCPARAM VOL18        0.0000311684     5.000     2.330     1.400
   SRCPARAM VOL19        0.0000311684     5.000     2.330     1.400
   URBANSRC ALL
   SRCGROUP ALL
SO FINISHED
**
**************************************
** AERMOD Receptor Pathway
**************************************
**
**
RE STARTING
   INCLUDED "36_tully rd.rou"
RE FINISHED
**
**************************************
** AERMOD Meteorology Pathway
**************************************
**
**
ME STARTING
   SURFFILE "San Jose Intl Airport (KSJC)\KSJC_2017.SFC"
   PROFFILE "San Jose Intl Airport (KSJC)\KSJC_2017.PFL"
   SURFDATA 23293 2017 San_Jose_Airport
   UAIRDATA 23230 2017 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 "36_tully rd.AD\01H1GALL.PLT" 31
   PLOTFILE ANNUAL ALL "36_tully rd.AD\AN00GALL.PLT" 32
   SUMMFILE "36_tully rd.sum"
OU FINISHED


  *** Message Summary For AERMOD Model Setup ***

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

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


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


    ********   WARNING MESSAGES   ********
 ME W186     100       MEOPEN: THRESH_1MIN 1-min ASOS wind speed threshold used
      0.50
 ME W187     100       MEOPEN: ADJ_U* Option for Stable Low Winds used in AERMET


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

 *** AERMOD - VERSION 23132  ***   *** C:\Lakes\AERMOD View\36_tully rd\36_tully
rd.isc                     ***        07/19/24
 *** AERMET - VERSION  18081 ***   ***
                         ***        15:33:48

                                    PAGE   1
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  FLGPOL  URBAN  ADJ_U*

                                              ***     MODEL SETUP OPTIONS SUMMARY
  ***
 - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
```

```
- - - - - - - - - - - - - - - - - - - - -

 ** Model Options Selected:
      * Model Uses Regulatory DEFAULT Options
      * Model Is Setup For Calculation of Average CONCentration Values.
      * NO GAS DEPOSITION Data Provided.
      * NO PARTICLE DEPOSITION Data Provided.
      * Model Uses NO DRY DEPLETION. DDPLETE  =  F
      * Model Uses NO WET DEPLETION. WETDPLT  =  F
      * Stack-tip Downwash.
      * Model Accounts for ELEVated Terrain Effects.
      * Use Calms Processing Routine.
      * Use Missing Data Processing Routine.
      * No Exponential Decay.
      * Model Uses URBAN Dispersion Algorithm for the SBL for    19 Source(s),
        for Total of    1 Urban Area(s):
   Urban Population =   1010000.0 ;  Urban Roughness Length =  1.000 m
      * Urban Roughness Length of 1.0 Meter Used.
      * ADJ_U*   - Use ADJ_U* option for SBL in AERMET
      * CCVR_Sub - Meteorological data includes CCVR substitutions
      * TEMP_Sub - Meteorological data includes TEMP substitutions
      * Model Accepts FLAGPOLE Receptor . Heights.
      * The User Specified a Pollutant Type of: PM_10

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

 **This Run Includes:     19 Source(s);       1 Source Group(s); and     508
Receptor(s)

                with:      0 POINT(s), including
                           0 POINTCAP(s) and      0 POINTHOR(s)
                 and:     19 VOLUME source(s)
                 and:      0 AREA type source(s)
                 and:      0 LINE source(s)
                 and:      0 RLINE/RLINEXT source(s)
                 and:      0 OPENPIT source(s)
                 and:      0 BUOYANT LINE source(s) with a total of     0 line(s)
                 and:      0 SWPOINT source(s)


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

 **The AERMET Input Meteorological Data Version Date:  18081

 **Output Options Selected:
          Model Outputs Tables of ANNUAL Averages by Receptor
          Model Outputs Tables of Highest Short Term Values by Receptor (RECTABLE
Keyword)
          Model Outputs External File(s) of High Values for Plotting (PLOTFILE
```

Keyword)
          Model Outputs Separate Summary File of High Ranked Values (SUMMFILE
Keyword)

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

 **Misc. Inputs: Base Elev. for Pot. Temp. Profile (m MSL) =   15.50 ; Decay
Coef. =   0.000   ; Rot. Angle =   0.0
                  Emission Units = GRAMS/SEC   ;
Emission Rate Unit Factor =   0.10000E+07
                  Output Units   = MICROGRAMS/M**3

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

 **Input Runstream File: aermod.inp

 **Output Print File: aermod.out

 **Detailed Error/Message File: 36_tully rd.err

 **File for Summary of Results: 36_tully rd.sum

↟ *** AERMOD - VERSION 23132 ***   *** C:\Lakes\AERMOD View\36_tully rd\36_tully
rd.isc   ***   07/19/24
 *** AERMET - VERSION 18081 ***   ***
                         ***   15:33:48

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

                                                  *** VOLUME SOURCE DATA ***

               NUMBER EMISSION RATE   BASE   RELEASE   INIT.
INIT.   URBAN EMISSION RATE   AIRCRAFT
   SOURCE   PART. (GRAMS/SEC)   X   Y   ELEV.   HEIGHT   SY
SZ   SOURCE SCALAR VARY
     ID   CATS.   (METERS) (METERS) (METERS) (METERS) (METERS)
(METERS)   BY
 -
- -

 VOL1   0   0.31168E-04 603119.9 4130460.2   38.8   5.00   2.33
1.40   YES   NO
 VOL2   0   0.31168E-04 603119.9 4130470.2   38.8   5.00   2.33

```
1.40     YES                    NO
 VOL3            0   0.31168E-04  603129.9 4130450.2    38.9     5.00     2.33
1.40     YES                    NO
 VOL4            0   0.31168E-04  603129.9 4130460.2    38.9     5.00     2.33
1.40     YES                    NO
 VOL5            0   0.31168E-04  603129.9 4130470.2    38.9     5.00     2.33
1.40     YES                    NO
 VOL6            0   0.31168E-04  603129.9 4130480.2    38.9     5.00     2.33
1.40     YES                    NO
 VOL7            0   0.31168E-04  603139.9 4130440.2    39.0     5.00     2.33
1.40     YES                    NO
 VOL8            0   0.31168E-04  603139.9 4130450.2    39.0     5.00     2.33
1.40     YES                    NO
 VOL9            0   0.31168E-04  603139.9 4130460.2    39.0     5.00     2.33
1.40     YES                    NO
 VOL10           0   0.31168E-04  603139.9 4130470.2    39.0     5.00     2.33
1.40     YES                    NO
 VOL11           0   0.31168E-04  603139.9 4130480.2    38.9     5.00     2.33
1.40     YES                    NO
 VOL12           0   0.31168E-04  603139.9 4130490.2    38.9     5.00     2.33
1.40     YES                    NO
 VOL13           0   0.31168E-04  603149.9 4130450.2    39.0     5.00     2.33
1.40     YES                    NO
 VOL14           0   0.31168E-04  603149.9 4130460.2    39.0     5.00     2.33
1.40     YES                    NO
 VOL15           0   0.31168E-04  603149.9 4130470.2    39.0     5.00     2.33
1.40     YES                    NO
 VOL16           0   0.31168E-04  603149.9 4130480.2    39.0     5.00     2.33
1.40     YES                    NO
 VOL17           0   0.31168E-04  603149.9 4130490.2    38.9     5.00     2.33
1.40     YES                    NO
 VOL18           0   0.31168E-04  603159.9 4130460.2    39.0     5.00     2.33
1.40     YES                    NO
 VOL19           0   0.31168E-04  603159.9 4130470.2    39.0     5.00     2.33
1.40     YES                    NO
↟ *** AERMOD - VERSION 23132  ***   *** C:\Lakes\AERMOD View\36_tully rd\36_tully
rd.isc                     ***       07/19/24
 *** AERMET - VERSION  18081 ***   ***
                           ***       15:33:48

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


                                              *** SOURCE IDs DEFINING SOURCE GROUPS
***

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

```
  ALL        VOL1        , VOL2        , VOL3        , VOL4        , VOL5        ,
VOL6        , VOL7        , VOL8        ,

             VOL9        , VOL10       , VOL11       , VOL12       , VOL13       ,
VOL14       , VOL15       , VOL16       ,

             VOL17       , VOL18       , VOL19       ,

 *** MODELOPTs:    RegDFAULT  CONC  ELEV  FLGPOL  URBAN  ADJ_U*


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

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


              1010000.   VOL1        , VOL2        , VOL3        , VOL4        ,
VOL5        , VOL6        , VOL7        ,
 VOL8        ,

             VOL9        , VOL10       , VOL11       , VOL12       , VOL13       ,
VOL14       , VOL15       , VOL16       ,

             VOL17       , VOL18       , VOL19       ,

 *** MODELOPTs:    RegDFAULT  CONC  ELEV  FLGPOL  URBAN  ADJ_U*

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

     ( 602766.9, 4130103.3,      40.7,      40.7,       1.5);         ( 602766.9,
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     ( 602816.9, 4130053.3,      40.9,      40.9,       1.5);         ( 602816.9,
4130103.3,      40.7,      40.7,       1.5);
     ( 602816.9, 4130153.3,      40.4,      40.4,       1.5);         ( 602816.9,
4130203.3,      40.0,      40.0,       1.5);
```

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     ( 602866.9, 4130103.3,      40.6,      40.6,       1.5);         ( 602866.9,
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     ( 602866.9, 4130203.3,      40.0,      40.0,       1.5);         ( 602866.9,
4130253.3,      39.8,      39.8,       1.5);
     ( 602916.9, 4129953.3,      41.3,      41.3,       1.5);         ( 602916.9,
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     ( 602916.9, 4130053.3,      40.8,      40.8,       1.5);         ( 602916.9,
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     ( 602916.9, 4130153.3,      40.2,      40.2,       1.5);         ( 602916.9,
4130203.3,      40.0,      40.0,       1.5);
     ( 602916.9, 4130253.3,      39.7,      39.7,       1.5);         ( 602966.9,
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     ( 602966.9, 4130003.3,      41.1,      41.1,       1.5);         ( 602966.9,
4130053.3,      40.8,      40.8,       1.5);
     ( 602966.9, 4130103.3,      40.5,      40.5,       1.5);         ( 602966.9,
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     ( 602966.9, 4130203.3,      39.9,      39.9,       1.5);         ( 602966.9,
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     ( 603016.9, 4130303.3,      39.3,      39.3,       1.5);         ( 603066.9,
4129953.3,      41.1,      41.1,       1.5);
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4130053.3,      40.8,      40.8,       1.5);
     ( 603066.9, 4130103.3,      40.5,      40.5,       1.5);         ( 603066.9,
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     ( 603066.9, 4130203.3,      39.7,      39.7,       1.5);         ( 603066.9,
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     ( 603116.9, 4130053.3,      40.8,      40.8,       1.5);         ( 603116.9,
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4130203.3,      39.9,      39.9,       1.5);
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     ( 603266.9, 4130153.3,      40.3,      40.3,       1.5);         ( 603266.9,
4130203.3,      40.2,      40.2,       1.5);
     ( 603316.9, 4129953.3,      41.1,      41.1,       1.5);         ( 603316.9,
4130003.3,      40.8,      40.8,       1.5);
     ( 603316.9, 4130053.3,      40.6,      40.6,       1.5);         ( 603316.9,
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     ( 603316.9, 4130153.3,      40.5,      40.5,       1.5);         ( 603366.9,
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4129953.3,      41.0,      41.0,       1.5);
     ( 603416.9, 4130003.3,      40.8,      40.8,       1.5);         ( 603466.9,
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     ( 603308.3, 4130247.7,      40.1,      40.1,       1.5);         ( 603308.3,
4130297.7,      39.9,      39.9,       1.5);
     ( 603358.3, 4130197.7,      40.3,      40.3,       1.5);         ( 603358.3,
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     ( 603358.3, 4130297.7,      40.0,      40.0,       1.5);         ( 603358.3,
4130347.7,      39.9,      39.9,       1.5);
     ( 603358.3, 4130397.7,      39.9,      39.9,       1.5);         ( 603408.3,
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4130197.7,      40.3,      40.3,       1.5);
 *** AERMOD - VERSION 23132  ***   *** C:\Lakes\AERMOD View\36_tully rd\36_tully
rd.isc                      ***        07/19/24
 *** AERMET - VERSION  18081 ***   ***
                          ***       15:33:48

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 *** MODELOPTs:    RegDFAULT  CONC  ELEV  FLGPOL  URBAN  ADJ_U*

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

     ( 603408.3, 4130247.7,      40.2,      40.2,       1.5);         ( 603408.3,
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     ( 603408.3, 4130347.7,      40.2,      40.2,       1.5);         ( 603408.3,
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4130197.7,      40.5,      40.5,       1.5);
     ( 603508.3, 4130247.7,      40.5,      40.5,       1.5);         ( 603508.3,
4130297.7,      40.3,      40.3,       1.5);
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4130397.7,      40.2,      40.2,       1.5);
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     ( 603558.3, 4130147.7,      40.8,      40.8,       1.5);         ( 603558.3,
4130197.7,      40.6,      40.6,       1.5);
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4130297.7,      40.5,      40.5,       1.5);
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↟ *** AERMOD - VERSION 23132  ***   *** C:\Lakes\AERMOD View\36_tully rd\36_tully
rd.isc                      ***        07/19/24
 *** AERMET - VERSION  18081 ***   ***
                            ***       15:33:48

                                    PAGE   7
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  FLGPOL  URBAN  ADJ_U*

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

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↟ *** AERMOD - VERSION 23132  ***   *** C:\Lakes\AERMOD View\36_tully rd\36_tully
rd.isc                     ***        07/19/24
 *** AERMET - VERSION  18081 ***   ***
                           ***       15:33:48

                                    PAGE   8
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  FLGPOL  URBAN  ADJ_U*

                                                  *** DISCRETE CARTESIAN RECEPTORS ***
                                                (X-COORD, Y-COORD, ZELEV, ZHILL, ZFLAG)
                                                             (METERS)
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↟ *** AERMOD - VERSION 23132  ***   *** C:\Lakes\AERMOD View\36_tully rd\36_tully
rd.isc                      ***        07/19/24
 *** AERMET - VERSION  18081 ***   ***
                        ***        15:33:48

                                   PAGE   9
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  FLGPOL  URBAN  ADJ_U*

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

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(603065.0, 4130613.3, 38.4, 38.4, 1.5); (603065.0, 4130633.3, 38.4, 38.4, 1.5);
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(603185.0, 4130613.3, 38.8, 38.8, 1.5); (603185.0, 4130633.3, 38.8, 38.8, 1.5);
(603185.0, 4130653.3, 38.7, 38.7, 1.5); (603205.0, 4130593.3, 39.0, 39.0, 1.5);
(603205.0, 4130613.3, 39.0, 39.0, 1.5); (603205.0, 4130633.3, 38.9, 38.9, 1.5);

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     ( 603225.0, 4130633.3,      39.0,      39.0,       1.5);         ( 603245.0,
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     ( 602922.4, 4130406.4,      39.0,      39.0,       1.5);         ( 602922.4,
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     ( 602942.4, 4130426.4,      38.9,      38.9,       1.5);         ( 602942.4,
4130446.4,      38.8,      38.8,       1.5);
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4130446.4,      39.0,      39.0,       1.5);
     ( 603002.4, 4130466.4,      38.8,      38.8,       1.5);         ( 603002.4,
4130486.4,      38.7,      38.7,       1.5);
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4130446.4,      39.0,      39.0,       1.5);
     ( 603022.4, 4130466.4,      38.8,      38.8,       1.5);         ( 603022.4,
4130486.4,      38.7,      38.7,       1.5);
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     ( 603062.4, 4130466.4,      38.6,      38.6,       1.5);         ( 603073.5,
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     ( 603073.5, 4130413.0,      39.0,      39.0,       1.5);         ( 603093.5,
4130393.0,      39.0,      39.0,       1.5);
     ( 603093.5, 4130413.0,      39.0,      39.0,       1.5);         ( 603093.5,
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4130413.0,      39.0,      39.0,       1.5);
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 *** AERMOD - VERSION 23132  ***   *** C:\Lakes\AERMOD View\36_tully rd\36_tully
rd.isc                      ***        07/19/24
 *** AERMET - VERSION  18081 ***   ***
                            ***       15:33:48

                                    PAGE  10
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  FLGPOL  URBAN  ADJ_U*
```

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

(603104.2, 4130509.8, 38.7, 38.7, 1.5); (603104.2, 4130529.8, 38.7, 38.7, 1.5);
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(603398.2, 4130541.2, 39.6, 39.6, 1.5); (603398.2, 4130591.2, 39.4, 39.4, 1.5);
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*** MODELOPTs: RegDFAULT CONC ELEV FLGPOL URBAN ADJ_U*

*** METEOROLOGICAL DAYS SELECTED FOR PROCESSING ***

(1=YES; 0=NO)

1 1 1

 *** MODELOPTs: RegDFAULT CONC ELEV FLGPOL URBAN ADJ_U*

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

   Surface file: San Jose Intl Airport (KSJC)\KSJC_2017.SFC
                  Met Version: 18081
   Profile file: San Jose Intl Airport (KSJC)\KSJC_2017.PFL

   Surface format: FREE

   Profile format: FREE

   Surface station no.:   23293   Upper air station no.:   23230
                  Name: SAN_JOSE_AIRPORT   Name: OAKLAND/WSO_AP
                  Year: 2017   Year: 2017

 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
- - - -

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 17 01 01   1 11   59.1  0.123  1.168  0.019  974.  104.     -2.9  0.02   0.68
0.23    1.28  129.    7.9  284.2    2.0
 17 01 01   1 12   72.0  0.252  1.293  0.020 1085.  304.    -20.1  0.02   0.68
0.21    3.34  280.    7.9  284.9    2.0
 17 01 01   1 13   87.9  0.389  1.384  0.019 1089.  582.    -60.3  0.05   0.68
0.21    4.65  263.    7.9  285.9    2.0
 17 01 01   1 14   65.5  0.353  1.256  0.019 1091.  504.    -60.5  0.05   0.68
0.22    4.22  270.    7.9  285.9    2.0
 17 01 01   1 15   46.1  0.403  1.118  0.018 1093.  613.   -128.0  0.05   0.68
0.25    4.97  244.    7.9  285.4    2.0
 17 01 01   1 16   18.2  0.370  0.820  0.018 1094.  542.   -252.7  0.02   0.68
0.33    5.44  281.    7.9  285.4    2.0
 17 01 01   1 17  -32.0  0.420 -9.000 -9.000 -999.  653.    209.2  0.02   0.68
0.57    6.43  279.    7.9  283.1    2.0
 17 01 01   1 18  -28.9  0.288 -9.000 -9.000 -999.  382.     91.1  0.05   0.68
1.00    3.85  243.    7.9  282.0    2.0
 17 01 01   1 19  -18.6  0.185 -9.000 -9.000 -999.  197.     37.6  0.05   0.68
1.00    2.52  246.    7.9  282.0    2.0
 17 01 01   1 20  -13.3  0.147 -9.000 -9.000 -999.  135.     23.7  0.05   0.68
1.00    2.03  225.    7.9  280.9    2.0
 17 01 01   1 21   -7.4  0.105 -9.000 -9.000 -999.   82.     14.3  0.02   0.68
1.00    1.69  116.    7.9  282.0    2.0
 17 01 01   1 22  -10.4  0.130 -9.000 -9.000 -999.  112.     19.0  0.05   0.68
1.00    1.76   94.    7.9  281.4    2.0
 17 01 01   1 23  -14.5  0.149 -9.000 -9.000 -999.  138.     24.5  0.02   0.68
1.00    2.33  133.    7.9  280.9    2.0
 17 01 01   1 24  -21.8  0.215 -9.000 -9.000 -999.  240.     51.0  0.02   0.68
1.00    3.30  114.    7.9  280.4    2.0


 First hour of profile data
 YR MO DY HR HEIGHT F  WDIR    WSPD AMB_TMP sigmaA  sigmaW  sigmaV
 17 01 01 01    7.9 1  121.    3.36   277.6   99.0  -99.00  -99.00

 F indicates top of profile (=1) or below (=0)
 *** AERMOD - VERSION 23132  ***   *** C:\Lakes\AERMOD View\36_tully rd\36_tully
rd.isc                     ***        07/19/24
 *** AERMET - VERSION  18081 ***   ***
                       ***        15:33:48

                                  PAGE  13
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  FLGPOL  URBAN  ADJ_U*

                  *** THE ANNUAL AVERAGE CONCENTRATION    VALUES AVERAGED OVER   1
YEARS FOR SOURCE GROUP: ALL      ***
                                   INCLUDING SOURCE(S):     VOL1        , VOL2
 , VOL3        , VOL4        , VOL5        ,
                   VOL6        , VOL7        , VOL8        , VOL9        , VOL10
 , VOL11       , VOL12       , VOL13       ,
                   VOL14       , VOL15       , VOL16       , VOL17       , VOL18
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, VOL19 ,

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

** CONC OF PM_10 IN MICROGRAMS/M**3 **

X-COORD (M)	Y-COORD (M)	CONC	X-COORD (M)	Y-COORD (M)	CONC
602766.91	4130103.30	0.00096	602766.91	4130153.30	0.00108
602816.91	4130053.30	0.00094	602816.91	4130103.30	0.00107
602816.91	4130153.30	0.00123	602816.91	4130203.30	0.00142
602866.91	4130003.30	0.00090	602866.91	4130053.30	0.00104
602866.91	4130103.30	0.00120	602866.91	4130153.30	0.00140
602866.91	4130203.30	0.00164	602866.91	4130253.30	0.00196
602916.91	4129953.30	0.00085	602916.91	4130003.30	0.00098
602916.91	4130053.30	0.00114	602916.91	4130103.30	0.00134
602916.91	4130153.30	0.00159	602916.91	4130203.30	0.00192
602916.91	4130253.30	0.00235	602966.91	4129953.30	0.00091
602966.91	4130003.30	0.00106	602966.91	4130053.30	0.00125
602966.91	4130103.30	0.00149	602966.91	4130153.30	0.00181
602966.91	4130203.30	0.00225	602966.91	4130253.30	0.00284
602966.91	4130303.30	0.00368	603016.91	4129953.30	0.00097
603016.91	4130003.30	0.00113	603016.91	4130053.30	0.00135
603016.91	4130103.30	0.00164	603016.91	4130153.30	0.00204
603016.91	4130203.30	0.00260	603016.91	4130253.30	0.00344
603016.91	4130303.30	0.00472	603066.91	4129953.30	0.00102
603066.91	4130003.30	0.00121	603066.91	4130053.30	0.00145

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         603066.91    4130103.30        0.00178                      603066.91
4130153.30        0.00226
         603066.91    4130203.30        0.00297                      603066.91
4130253.30        0.00408
         603116.91    4129953.30        0.00108                      603116.91
4130003.30        0.00129
         603116.91    4130053.30        0.00156                      603116.91
4130103.30        0.00195
         603116.91    4130153.30        0.00250                      603116.91
4130203.30        0.00335
         603116.91    4130253.30        0.00477                      603166.91
4129953.30        0.00117
         603166.91    4130003.30        0.00141                      603166.91
4130053.30        0.00173
         603166.91    4130103.30        0.00220                      603166.91
4130153.30        0.00289
         603166.91    4130203.30        0.00401                      603216.91
4129953.30        0.00130
         603216.91    4130003.30        0.00160                      603216.91
4130053.30        0.00200
         603216.91    4130103.30        0.00260                      603216.91
4130153.30        0.00354
         603216.91    4130203.30        0.00513                      603216.91
4130253.30        0.00810
         603266.91    4129953.30        0.00149                      603266.91
4130003.30        0.00185
         603266.91    4130053.30        0.00237                      603266.91
4130103.30        0.00313
         603266.91    4130153.30        0.00435                      603266.91
4130203.30        0.00639
         603316.91    4129953.30        0.00170                      603316.91
4130003.30        0.00214
         603316.91    4130053.30        0.00276                      603316.91
4130103.30        0.00367
         603316.91    4130153.30        0.00506                      603366.91
4129953.30        0.00192
         603366.91    4130003.30        0.00241                      603366.91
4130053.30        0.00309
         603366.91    4130103.30        0.00407                      603416.91
4129953.30        0.00211
         603416.91    4130003.30        0.00263                      603466.91
4129953.30        0.00225
 *** AERMOD - VERSION 23132  ***   *** C:\Lakes\AERMOD View\36_tully rd\36_tully
rd.isc                      ***       07/19/24
 *** AERMET - VERSION  18081 ***   ***
                             ***       15:33:48

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 *** MODELOPTs:    RegDFAULT  CONC  ELEV  FLGPOL  URBAN  ADJ_U*
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*** THE ANNUAL AVERAGE CONCENTRATION VALUES AVERAGED OVER 1 YEARS FOR SOURCE GROUP: ALL ***

INCLUDING SOURCE(S): VOL1 , VOL2 , VOL3 , VOL4 , VOL5 , VOL6 , VOL7 , VOL8 , VOL9 , VOL10 , VOL11 , VOL12 , VOL13 , VOL14 , VOL15 , VOL16 , VOL17 , VOL18 , VOL19 ,

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

** CONC OF PM_10 IN MICROGRAMS/M**3 **

X-COORD (M)	Y-COORD (M)	CONC	X-COORD (M)	Y-COORD (M)	CONC
603308.27	4130247.67	0.01036	603308.27	4130297.67	0.01624
603358.27	4130197.67	0.00728	603358.27	4130247.67	0.01031
603358.27	4130297.67	0.01441	603358.27	4130347.67	0.01805
603358.27	4130397.67	0.01742	603408.27	4130097.67	0.00413
603408.27	4130147.67	0.00541	603408.27	4130197.67	0.00719
603408.27	4130247.67	0.00949	603408.27	4130297.67	0.01190
603408.27	4130347.67	0.01300	603408.27	4130397.67	0.01139
603408.27	4130447.67	0.00817	603458.27	4130047.67	0.00333
603458.27	4130097.67	0.00419	603458.27	4130147.67	0.00532
603458.27	4130197.67	0.00675	603458.27	4130247.67	0.00833
603458.27	4130297.67	0.00952	603458.27	4130347.67	0.00948
603458.27	4130397.67	0.00791	603458.27	4130447.67	0.00586
603458.27	4130497.67	0.00443	603508.27	4129997.67	0.00275
603508.27	4130047.67	0.00335	603508.27	4130097.67	0.00412
603508.27	4130147.67	0.00506	603508.27	4130197.67	0.00613
603508.27	4130247.67	0.00710	603508.27		

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4130297.67        0.00755
         603508.27    4130347.67        0.00707                     603508.27
4130397.67        0.00579
         603508.27    4130447.67        0.00443                     603508.27
4130497.67        0.00348
         603508.27    4130547.67        0.00293                     603558.27
4129997.67        0.00275
         603558.27    4130047.67        0.00329                     603558.27
4130097.67        0.00395
         603558.27    4130147.67        0.00470                     603558.27
4130197.67        0.00544
         603558.27    4130247.67        0.00597                     603558.27
4130297.67        0.00600
         603558.27    4130347.67        0.00541                     603558.27
4130397.67        0.00442
         603558.27    4130447.67        0.00347                     603558.27
4130497.67        0.00282
         603558.27    4130547.67        0.00241                     603558.27
4130597.67        0.00212
         603608.27    4129997.67        0.00270                     603608.27
4130047.67        0.00318
         603608.27    4130097.67        0.00372                     603608.27
4130147.67        0.00429
         603608.27    4130197.67        0.00476                     603608.27
4130247.67        0.00499
         603608.27    4130297.67        0.00481                     603608.27
4130347.67        0.00424
         603608.27    4130397.67        0.00348                     603608.27
4130447.67        0.00280
         603608.27    4130497.67        0.00233                     603608.27
4130547.67        0.00203
         603608.27    4130597.67        0.00181                     603658.27
4129997.67        0.00262
         603658.27    4130047.67        0.00302                     603658.27
4130097.67        0.00346
         603658.27    4130147.67        0.00386                     603658.27
4130197.67        0.00414
         603658.27    4130247.67        0.00417                     603658.27
4130297.67        0.00391
         603658.27    4130347.67        0.00340                     603658.27
4130397.67        0.00281
         603658.27    4130447.67        0.00231                     603658.27
4130497.67        0.00197
         603658.27    4130547.67        0.00173                     603658.27
4130597.67        0.00156
         602640.57    4130170.66        0.00084                     602640.57
4130220.66        0.00094
         602640.57    4130270.66        0.00106                     602640.57
4130320.66        0.00119
 *** AERMOD - VERSION 23132  ***   *** C:\Lakes\AERMOD View\36_tully rd\36_tully
```

 *** MODELOPTs: RegDFAULT CONC ELEV FLGPOL URBAN ADJ_U*

                  *** THE ANNUAL AVERAGE CONCENTRATION   VALUES AVERAGED OVER   1
YEARS FOR SOURCE GROUP: ALL   ***
                                  INCLUDING SOURCE(S):   VOL1   , VOL2
 , VOL3   , VOL4   , VOL5   ,
                  VOL6   , VOL7   , VOL8   , VOL9   , VOL10
 , VOL11   , VOL12   , VOL13   ,
                  VOL14   , VOL15   , VOL16   , VOL17   , VOL18
 , VOL19   ,

                                             *** DISCRETE CARTESIAN RECEPTOR POINTS
***

                                          ** CONC OF PM_10   IN MICROGRAMS/M**3
                   **

       X-COORD (M)   Y-COORD (M)   CONC   X-COORD (M)
Y-COORD (M)   CONC
 -
- -
         602640.57   4130370.66   0.00135   602640.57
4130420.66   0.00152
         602640.57   4130470.66   0.00175   602640.57
4130520.66   0.00205
         602640.57   4130570.66   0.00246   602640.57
4130620.66   0.00293
         602640.57   4130670.66   0.00333   602640.57
4130720.66   0.00353
         602640.57   4130770.66   0.00352   602640.57
4130820.66   0.00333
         602640.57   4130870.66   0.00304   602640.57
4130920.66   0.00271
         602690.57   4130220.66   0.00106   602690.57
4130270.66   0.00120
         602690.57   4130320.66   0.00137   602690.57
4130370.66   0.00157
         602690.57   4130420.66   0.00181   602690.57
4130470.66   0.00210
         602690.57   4130520.66   0.00252   602690.57
4130570.66   0.00309
         602690.57   4130620.66   0.00369   602690.57
4130670.66   0.00411
         602690.57   4130720.66   0.00423   602690.57
4130770.66   0.00405

602690.57 4130820.66 0.00370 602690.57
4130870.66 0.00327
602690.57 4130920.66 0.00285 602740.57
4130220.66 0.00121
602740.57 4130270.66 0.00139 602740.57
4130320.66 0.00160
602740.57 4130370.66 0.00186 602740.57
4130420.66 0.00218
602740.57 4130470.66 0.00259 602740.57
4130520.66 0.00319
602740.57 4130570.66 0.00399 602740.57
4130620.66 0.00473
602740.57 4130670.66 0.00511 602740.57
4130720.66 0.00503
602740.57 4130770.66 0.00461 602740.57
4130820.66 0.00405
602740.57 4130870.66 0.00347 602790.57
4130270.66 0.00161
602790.57 4130320.66 0.00190 602790.57
4130370.66 0.00225
602790.57 4130420.66 0.00269 602790.57
4130470.66 0.00329
602790.57 4130520.66 0.00419 602790.57
4130570.66 0.00532
602790.57 4130620.66 0.00619 602790.57
4130670.66 0.00638
602790.57 4130720.66 0.00592 602790.57
4130770.66 0.00515
602790.57 4130820.66 0.00434 602840.57
4130320.66 0.00229
602840.57 4130370.66 0.00278 602840.57
4130420.66 0.00342
602840.57 4130470.66 0.00433 602840.57
4130520.66 0.00575
602840.57 4130570.66 0.00738 602840.57
4130620.66 0.00823
602840.57 4130670.66 0.00788 602840.57
4130720.66 0.00682
602840.57 4130770.66 0.00561 602890.57
4130370.66 0.00354
602890.57 4130420.66 0.00452 602890.57
4130470.66 0.00600
602890.57 4130520.66 0.00840 602890.57
4130570.66 0.01067
602890.57 4130620.66 0.01097 602890.57
4130670.66 0.00951
602940.57 4130520.66 0.01336 602940.57
4130570.66 0.01599
602940.57 4130620.66 0.01431 602754.62
4130958.49 0.00262

*** THE ANNUAL AVERAGE CONCENTRATION VALUES AVERAGED OVER 1
YEARS FOR SOURCE GROUP: ALL ***
INCLUDING SOURCE(S): VOL1 , VOL2
, VOL3 , VOL4 , VOL5 ,
VOL6 , VOL7 , VOL8 , VOL9 , VOL10
, VOL11 , VOL12 , VOL13 ,
VOL14 , VOL15 , VOL16 , VOL17 , VOL18
, VOL19 ,

*** DISCRETE CARTESIAN RECEPTOR POINTS
***

** CONC OF PM_10 IN MICROGRAMS/M**3
**

X-COORD (M)	Y-COORD (M)	CONC	X-COORD (M)	Y-COORD (M)	CONC
602854.62	4130958.49	0.00260	602904.62	4130758.49	0.00634
602904.62	4130808.49	0.00490	602904.62	4130858.49	0.00385
602904.62	4130908.49	0.00309	602904.62	4130958.49	0.00253
602954.62	4130708.49	0.00877	602954.62	4130758.49	0.00640
602954.62	4130808.49	0.00481	602954.62	4130858.49	0.00373
602954.62	4130908.49	0.00297	602954.62	4130958.49	0.00242
603004.62	4130658.49	0.01306	603004.62	4130708.49	0.00874
603004.62	4130758.49	0.00618	603004.62	4130808.49	0.00459
603004.62	4130858.49	0.00354	603004.62		

4130908.49 0.00282
603004.62 4130958.49 0.00230 603054.62
4130658.49 0.01265
603054.62 4130708.49 0.00820 603054.62
4130758.49 0.00576
603054.62 4130808.49 0.00428 603054.62
4130858.49 0.00332
603054.62 4130908.49 0.00266 603054.62
4130958.49 0.00218
603104.62 4130708.49 0.00736 603104.62
4130758.49 0.00523
603104.62 4130808.49 0.00393 603104.62
4130858.49 0.00308
603104.62 4130908.49 0.00249 603104.62
4130958.49 0.00206
603154.62 4130708.49 0.00633 603154.62
4130758.49 0.00462
603154.62 4130808.49 0.00354 603154.62
4130858.49 0.00281
603154.62 4130908.49 0.00230 603154.62
4130958.49 0.00191
603204.62 4130708.49 0.00516 603204.62
4130758.49 0.00391
603204.62 4130808.49 0.00308 603204.62
4130858.49 0.00250
603204.62 4130908.49 0.00207 603204.62
4130958.49 0.00175
603254.62 4130658.49 0.00563 603254.62
4130708.49 0.00420
603254.62 4130758.49 0.00327 603254.62
4130808.49 0.00263
603254.62 4130858.49 0.00218 603254.62
4130908.49 0.00183
603254.62 4130958.49 0.00157 603304.62
4130758.49 0.00281
603304.62 4130908.49 0.00162 603304.62
4130958.49 0.00140
603354.62 4130908.49 0.00146 603354.62
4130958.49 0.00127
603005.81 4130339.02 0.00568 603005.81
4130359.02 0.00658
603025.81 4130359.02 0.00757 603025.81
4130379.02 0.00900
603045.81 4130359.02 0.00877 603045.81
4130379.02 0.01066
603065.81 4130359.02 0.01017 603065.81
4130379.02 0.01273
603085.81 4130359.02 0.01175 603105.81
4130339.02 0.01039
603105.81 4130359.02 0.01342 603105.81

4130379.02   0.01805
         603125.81   4130339.02   0.01167   603125.81
4130359.02   0.01541
         603125.81   4130379.02   0.02140   603145.81
4130359.02   0.01843
         603145.81   4130379.02   0.02666   603035.25
4130307.16   0.00532
         603035.25   4130327.16   0.00620   603055.25
4130307.16   0.00587
         603055.25   4130327.16   0.00696   603075.25
4130287.16   0.00543
         603075.25   4130307.16   0.00644   603075.25
4130327.16   0.00776

 *** MODELOPTs: RegDFAULT CONC ELEV FLGPOL URBAN ADJ_U*

                   *** THE ANNUAL AVERAGE CONCENTRATION   VALUES AVERAGED OVER   1 YEARS FOR SOURCE GROUP: ALL   ***
                                    INCLUDING SOURCE(S):   VOL1   , VOL2
 , VOL3   , VOL4   , VOL5   ,
                   VOL6   , VOL7   , VOL8   , VOL9   , VOL10
 , VOL11   , VOL12   , VOL13   ,
                   VOL14   , VOL15   , VOL16   , VOL17   , VOL18
 , VOL19   ,

                                          *** DISCRETE CARTESIAN RECEPTOR POINTS ***

                                    ** CONC OF PM_10   IN MICROGRAMS/M**3
                    **

       X-COORD (M)   Y-COORD (M)   CONC   X-COORD (M)
Y-COORD (M)   CONC
 - - -

603175.25 4130327.16 0.01495 603175.25
4130347.16 0.02065
602962.66 4130491.49 0.01344 602962.66
4130511.49 0.01592
602962.66 4130531.49 0.01802 602962.66
4130551.49 0.01919
602982.66 4130511.49 0.02025 602982.66
4130531.49 0.02262
602982.66 4130551.49 0.02338 602982.66
4130571.49 0.02254
603002.66 4130531.49 0.02876 603002.66
4130551.49 0.02850
603235.59 4130440.48 0.06603 603235.59
4130460.48 0.05034
603255.59 4130320.48 0.02108 603255.59
4130340.48 0.02726
603255.59 4130420.48 0.05267 603255.59
4130440.48 0.04657
603255.59 4130460.48 0.03580 603255.59
4130480.48 0.02631
603275.59 4130320.48 0.02113 603275.59
4130340.48 0.02632
603275.59 4130360.48 0.03220 603275.59
4130380.48 0.03768
603275.59 4130400.48 0.04085 603275.59
4130420.48 0.03971
603275.59 4130440.48 0.03414 603275.59
4130460.48 0.02667
603275.59 4130480.48 0.02039 603275.59
4130500.48 0.01625
603295.59 4130340.48 0.02459 603295.59
4130360.48 0.02869
603295.59 4130380.48 0.03180 603295.59
4130400.48 0.03269
603295.59 4130420.48 0.03055 603295.59
4130440.48 0.02593
603295.59 4130460.48 0.02061 603295.59
4130480.48 0.01627
603295.59 4130500.48 0.01332 603295.59
4130520.48 0.01132
603315.59 4130360.48 0.02509 603315.59
4130380.48 0.02661
603315.59 4130400.48 0.02632 603315.59
4130420.48 0.02402
603315.59 4130440.48 0.02033 603315.59
4130460.48 0.01645
603315.59 4130480.48 0.01332 603315.59
4130500.48 0.01114
603315.59 4130520.48 0.00962 603335.59
4130380.48 0.02228

```
         603335.59    4130420.48        0.01925                      603335.59
4130440.48        0.01632
         603335.59    4130460.48        0.01343                      603335.59
4130480.48        0.01111
         603355.59    4130440.48        0.01339                      603355.59
4130460.48        0.01118
         603025.04    4130593.30        0.02472                      603025.04
4130613.30        0.02022
         603045.04    4130613.30        0.02054                      603045.04
4130633.30        0.01651
         603065.04    4130613.30        0.02030                      603065.04
4130633.30        0.01611
         603085.04    4130633.30        0.01543                      603085.04
4130653.30        0.01250
         603105.04    4130653.30        0.01182                      603125.04
4130653.30        0.01103
         603145.04    4130633.30        0.01231                      603145.04
4130653.30        0.01016
         603165.04    4130613.30        0.01349                      603165.04
4130633.30        0.01105
 *** AERMOD - VERSION 23132  ***   *** C:\Lakes\AERMOD View\36_tully rd\36_tully
rd.isc                     ***        07/19/24
 *** AERMET - VERSION  18081 ***   ***
                          ***       15:33:48

                                    PAGE  18
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  FLGPOL  URBAN  ADJ_U*

                   *** THE ANNUAL AVERAGE CONCENTRATION    VALUES AVERAGED OVER   1
YEARS FOR SOURCE GROUP: ALL      ***
                                    INCLUDING SOURCE(S):     VOL1        , VOL2
 , VOL3        , VOL4        , VOL5        ,
                   VOL6        , VOL7        , VOL8        , VOL9        , VOL10
 , VOL11       , VOL12       , VOL13       ,
                   VOL14       , VOL15       , VOL16       , VOL17       , VOL18
 , VOL19       ,

                                                *** DISCRETE CARTESIAN RECEPTOR POINTS
***

                                             ** CONC OF PM_10    IN MICROGRAMS/M**3
                    **

       X-COORD (M)   Y-COORD (M)        CONC                         X-COORD (M)
Y-COORD (M)        CONC
 - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
- - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
         603165.04    4130653.30        0.00923                      603185.04
4130593.30        0.01442
         603185.04    4130613.30        0.01176                      603185.04
```

4130633.30 0.00980
603185.04 4130653.30 0.00830 603205.04
4130593.30 0.01239
603205.04 4130613.30 0.01027 603205.04
4130633.30 0.00867
603205.04 4130653.30 0.00744 603225.04
4130613.30 0.00907
603225.04 4130633.30 0.00774 603245.04
4130633.30 0.00698
602922.39 4130406.41 0.00511 602922.39
4130426.41 0.00573
602942.39 4130386.41 0.00518 602942.39
4130406.41 0.00584
602942.39 4130426.41 0.00662 602942.39
4130446.41 0.00758
602962.39 4130386.41 0.00591 602962.39
4130406.41 0.00674
602962.39 4130426.41 0.00774 602962.39
4130446.41 0.00899
602962.39 4130466.41 0.01064 602982.39
4130406.41 0.00788
602982.39 4130426.41 0.00919 602982.39
4130446.41 0.01086
602982.39 4130466.41 0.01313 602982.39
4130486.41 0.01610
603002.39 4130426.41 0.01110 603002.39
4130446.41 0.01341
603002.39 4130466.41 0.01665 603002.39
4130486.41 0.02092
603002.39 4130506.41 0.02535 603022.39
4130446.41 0.01703
603022.39 4130466.41 0.02188 603022.39
4130486.41 0.02827
603022.39 4130506.41 0.03417 603042.39
4130466.41 0.03013
603042.39 4130486.41 0.04008 603042.39
4130506.41 0.04745
603062.39 4130466.41 0.04418 603073.49
4130393.01 0.01634
603073.49 4130413.01 0.02166 603093.49
4130393.01 0.02014
603093.49 4130413.01 0.02834 603093.49
4130433.01 0.04201
603113.49 4130393.01 0.02466 603113.49
4130413.01 0.03716
603084.25 4130509.77 0.09407 603084.25
4130529.77 0.07206
603104.25 4130509.77 0.11764 603104.25
4130529.77 0.07758
603104.25 4130549.77 0.05065 603124.25

```
4130529.77        0.07256
         603170.74    4130474.71        0.14937                     603170.74
4130494.71        0.08465
         603190.74    4130474.71        0.09565                     603190.74
4130494.71        0.05791
         603190.74    4130514.71        0.03977                     603210.74
4130494.71        0.04092
         603210.74    4130514.71        0.02995                     603210.74
4130534.71        0.02291
         603230.74    4130494.71        0.03010                     603230.74
4130514.71        0.02314
         603230.74    4130534.71        0.01847                     603230.74
4130554.71        0.01498
         603250.74    4130514.71        0.01838                     603250.74
4130534.71        0.01515
         603250.74    4130554.71        0.01264                     603270.74
4130534.71        0.01260
         603270.74    4130554.71        0.01076                     603290.74
4130534.71        0.01062
         603348.17    4130591.19        0.00523                     603348.17
4130641.19        0.00414
         603398.17    4130541.19        0.00502                     603398.17
4130591.19        0.00408
         603398.17    4130641.19        0.00335                     603448.17
4130541.19        0.00389
         603448.17    4130591.19        0.00326                     603448.17
4130641.19        0.00276
 *** AERMOD - VERSION 23132  ***   *** C:\Lakes\AERMOD View\36_tully rd\36_tully
rd.isc                     ***        07/19/24
 *** AERMET - VERSION  18081 ***   ***
                         ***        15:33:48

                                    PAGE  19
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  FLGPOL  URBAN  ADJ_U*

                    *** THE ANNUAL AVERAGE CONCENTRATION    VALUES AVERAGED OVER   1
YEARS FOR SOURCE GROUP: ALL      ***
                                    INCLUDING SOURCE(S):     VOL1        , VOL2
 , VOL3        , VOL4        , VOL5        ,
                   VOL6        , VOL7        , VOL8        , VOL9        , VOL10
 , VOL11       , VOL12       , VOL13       ,
                   VOL14       , VOL15       , VOL16       , VOL17       , VOL18
 , VOL19       ,

                                              *** DISCRETE CARTESIAN RECEPTOR POINTS
***

                                           ** CONC OF PM_10    IN MICROGRAMS/M**3
                     **
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```
       X-COORD (M)   Y-COORD (M)        CONC                       X-COORD (M)
Y-COORD (M)        CONC
 - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
- - - - - - - - - - - - - - - - - - - - - - - - - - -
         603498.17    4130591.19        0.00267                      603498.17
4130641.19        0.00231
         603548.17    4130641.19        0.00196                      603206.05
4130384.23        0.05536
         603206.05    4130404.23        0.08233                      603206.05
4130424.23        0.11006
         603206.05    4130444.23        0.11499                      603226.05
4130384.23        0.05404
         603226.05    4130404.23        0.07130                      603226.05
4130424.23        0.08238
         603246.05    4130384.23        0.04864                      603246.05
4130404.23        0.05789
         603096.01    4130606.06        0.02080                      603096.01
4130626.06        0.01625
         603116.01    4130606.06        0.01931                      603116.01
4130626.06        0.01517
         603116.01    4130646.06        0.01225                      603136.01
4130606.06        0.01751
         603136.01    4130626.06        0.01389                      603094.75
4130604.93        0.02115
         603094.75    4130624.93        0.01648                      603114.75
4130604.93        0.01974
         603114.75    4130624.93        0.01540                      603114.75
4130644.93        0.01242
         603134.75    4130584.93        0.02351                      603134.75
4130604.93        0.01795
         603154.75    4130584.93        0.02043                      602703.60
4130052.56        0.00075
 *** AERMOD - VERSION 23132  ***   *** C:\Lakes\AERMOD View\36_tully rd\36_tully
rd.isc                     ***        07/19/24
 *** AERMET - VERSION  18081 ***   ***
                         ***        15:33:48

                                    PAGE  20
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  FLGPOL  URBAN  ADJ_U*

                                *** THE   1ST HIGHEST  1-HR AVERAGE CONCENTRATION
VALUES FOR SOURCE GROUP:  ALL      ***
                                   INCLUDING SOURCE(S):     VOL1        , VOL2
 , VOL3        , VOL4        , VOL5        ,
                 VOL6        , VOL7        , VOL8        , VOL9        , VOL10
 , VOL11       , VOL12       , VOL13       ,
                 VOL14       , VOL15       , VOL16       , VOL17       , VOL18
 , VOL19       ,

                                              *** DISCRETE CARTESIAN RECEPTOR POINTS
```

***

** CONC OF PM_10 IN MICROGRAMS/M**3 **

X-COORD (M)	Y-COORD (M)	CONC	(YYMMDDHH)	X-COORD (M)	Y-COORD (M)	CONC	(YYMMDDHH)
602766.91	4130103.30	0.02890	(17112019)	602766.91	4130153.30	0.03357	(17112019)
602816.91	4130053.30	0.02571	(17080305)	602816.91	4130103.30	0.03043	(17032823)
602816.91	4130153.30	0.03570	(17112019)	602816.91	4130203.30	0.04163	(17112019)
602866.91	4130003.30	0.02842	(17010906)	602866.91	4130053.30	0.03072	(17010906)
602866.91	4130103.30	0.03222	(17080305)	602866.91	4130153.30	0.03767	(17032823)
602866.91	4130203.30	0.04570	(17112019)	602866.91	4130253.30	0.05333	(17112019)
602916.91	4129953.30	0.02780	(17121923)	602916.91	4130003.30	0.02972	(17121923)
602916.91	4130053.30	0.03412	(17010906)	602916.91	4130103.30	0.03907	(17010906)
602916.91	4130153.30	0.04194	(17010906)	602916.91	4130203.30	0.04838	(17032823)
602916.91	4130253.30	0.06140	(17112019)	602966.91	4129953.30	0.02922	(17010624)
602966.91	4130003.30	0.03373	(17121923)	602966.91	4130053.30	0.03836	(17121923)
602966.91	4130103.30	0.04248	(17121923)	602966.91	4130153.30	0.05010	(17010906)
602966.91	4130203.30	0.05838	(17010906)	602966.91	4130253.30	0.06544	(17032823)
602966.91	4130303.30	0.08880	(17112019)	603016.91	4129953.30	0.02838	(17010624)
603016.91	4130003.30	0.03369	(17010624)	603016.91	4130053.30	0.04000	(17010624)
603016.91	4130103.30	0.04743	(17121923)	603016.91	4130153.30	0.05759	(17121923)
603016.91	4130203.30	0.06792	(17121923)	603016.91	4130253.30	0.08436	(17010906)
603016.91	4130303.30	0.09967	(17010906)	603066.91	4129953.30	0.03104	(17111122)
603066.91	4130003.30	0.03523	(17111122)	603066.91	4130053.30	0.04032	(17111122)
603066.91	4130103.30	0.04652	(17111122)	603066.91	4130153.30	0.05715	(17010624)
603066.91	4130203.30	0.07494	(17010624)	603066.91			

*** MODELOPTs: RegDFAULT CONC ELEV FLGPOL URBAN ADJ_U*

*** THE 1ST HIGHEST 1-HR AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: ALL ***
INCLUDING SOURCE(S): VOL1 , VOL2

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 , VOL3        , VOL4        , VOL5        ,
                 VOL6        , VOL7        , VOL8        , VOL9        , VOL10
 , VOL11       , VOL12       , VOL13       ,
                 VOL14       , VOL15       , VOL16       , VOL17       , VOL18
 , VOL19       ,

                                              *** DISCRETE CARTESIAN RECEPTOR POINTS
***

                                           ** CONC OF PM_10    IN MICROGRAMS/M**3
                    **

      X-COORD (M)  Y-COORD (M)        CONC     (YYMMDDHH)              X-COORD (M)
Y-COORD (M)        CONC     (YYMMDDHH)
 - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
- - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
        603308.27   4130247.67        0.11311  (17112406)               603308.27
 4130297.67        0.13277  (17012918)
        603358.27   4130197.67        0.08244  (17112406)               603358.27
 4130247.67        0.09391  (17012918)
        603358.27   4130297.67        0.11135  (17112321)               603358.27
 4130347.67        0.15308  (17122416)
        603358.27   4130397.67        0.14293  (17121520)               603408.27
 4130097.67        0.05754  (17112406)
        603408.27   4130147.67        0.06346  (17122319)               603408.27
 4130197.67        0.07106  (17012918)
        603408.27   4130247.67        0.08342  (17111918)               603408.27
 4130297.67        0.10354  (17122416)
        603408.27   4130347.67        0.10248  (17120218)               603408.27
 4130397.67        0.11105  (17011118)
        603408.27   4130447.67        0.10805  (17120118)               603458.27
 4130047.67        0.04757  (17112406)
        603458.27   4130097.67        0.05155  (17122319)               603458.27
 4130147.67        0.05621  (17012918)
        603458.27   4130197.67        0.06520  (17111918)               603458.27
 4130247.67        0.07065  (17120717)
        603458.27   4130297.67        0.07782  (17011720)               603458.27
 4130347.67        0.08491  (17121520)
        603458.27   4130397.67        0.08848  (17012521)               603458.27
 4130447.67        0.08361  (17120118)
        603458.27   4130497.67        0.06682  (17121119)               603508.27
 4129997.67        0.03984  (17112406)
        603508.27   4130047.67        0.04287  (17122319)               603508.27
 4130097.67        0.04595  (17012918)
        603508.27   4130147.67        0.05259  (17111918)               603508.27
 4130197.67        0.05536  (17120717)
        603508.27   4130247.67        0.06083  (17122416)               603508.27
 4130297.67        0.06677  (17120218)
        603508.27   4130347.67        0.07160  (17121520)               603508.27
 4130397.67        0.07452  (17120118)
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       603508.27   4130447.67        0.06674  (17120118)               603508.27
 4130497.67        0.05461  (17121119)
       603508.27   4130547.67        0.05380  (17112319)               603558.27
 4129997.67        0.03633  (17122319)
       603558.27   4130047.67        0.03850  (17012918)               603558.27
 4130097.67        0.04378  (17012918)
       603558.27   4130147.67        0.04647  (17112321)               603558.27
 4130197.67        0.04988  (17120717)
       603558.27   4130247.67        0.05403  (17011720)               603558.27
 4130297.67        0.05676  (17121418)
       603558.27   4130347.67        0.06128  (17011118)               603558.27
 4130397.67        0.06375  (17120118)
       603558.27   4130447.67        0.05457  (17120118)               603558.27
 4130497.67        0.04575  (17112320)
       603558.27   4130547.67        0.04533  (17112319)               603558.27
 4130597.67        0.04308  (17110719)
       603608.27   4129997.67        0.03289  (17012918)               603608.27
 4130047.67        0.03727  (17012918)
       603608.27   4130097.67        0.03960  (17112321)               603608.27
 4130147.67        0.04205  (17120717)
       603608.27   4130197.67        0.04425  (17011720)               603608.27
 4130247.67        0.04797  (17121319)
       603608.27   4130297.67        0.05103  (17121520)               603608.27
 4130347.67        0.05239  (17011118)
       603608.27   4130397.67        0.05486  (17120118)               603608.27
 4130447.67        0.04554  (17120118)
       603608.27   4130497.67        0.03927  (17112320)               603608.27
 4130547.67        0.03850  (17112319)
       603608.27   4130597.67        0.03686  (17012819)               603658.27
 4129997.67        0.03220  (17012918)
       603658.27   4130047.67        0.03422  (17111918)               603658.27
 4130097.67        0.03548  (17120717)
       603658.27   4130147.67        0.03699  (17120717)               603658.27
 4130197.67        0.04042  (17011720)
       603658.27   4130247.67        0.04217  (17121418)               603658.27
 4130297.67        0.04503  (17121520)
       603658.27   4130347.67        0.04554  (17012521)               603658.27
 4130397.67        0.04754  (17120118)
       603658.27   4130447.67        0.03859  (17120118)               603658.27
 4130497.67        0.03419  (17112320)
       603658.27   4130547.67        0.03296  (17112319)               603658.27
 4130597.67        0.03277  (17112219)
       602640.57   4130170.66        0.02653  (17122023)               602640.57
 4130220.66        0.02604  (17122023)
       602640.57   4130270.66        0.02910  (17111124)               602640.57
 4130320.66        0.03124  (17111124)
 *** AERMOD - VERSION 23132  ***   *** C:\Lakes\AERMOD View\36_tully rd\36_tully
rd.isc                     ***        07/19/24
 *** AERMET - VERSION  18081 ***   ***
                         ***        15:33:48
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*** MODELOPTs: RegDFAULT CONC ELEV FLGPOL URBAN ADJ_U*

*** THE 1ST HIGHEST 1-HR AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: ALL ***
INCLUDING SOURCE(S): VOL1 , VOL2 , VOL3 , VOL4 , VOL5 , VOL6 , VOL7 , VOL8 , VOL9 , VOL10 , VOL11 , VOL12 , VOL13 , VOL14 , VOL15 , VOL16 , VOL17 , VOL18 , VOL19 ,

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

** CONC OF PM_10 IN MICROGRAMS/M**3 **

X-COORD (M)	Y-COORD (M)	CONC	(YYMMDDHH)	X-COORD (M)	Y-COORD (M)	CONC	(YYMMDDHH)
602640.57	4130370.66	0.03194	(17121102)	602640.57	4130420.66	0.03221	(17110601)
602640.57	4130470.66	0.03326	(17111107)	602640.57	4130520.66	0.03336	(17111623)
602640.57	4130570.66	0.03639	(17011601)	602640.57	4130620.66	0.04371	(17011601)
602640.57	4130670.66	0.04263	(17122402)	602640.57	4130720.66	0.04094	(17110924)
602640.57	4130770.66	0.03832	(17120724)	602640.57	4130820.66	0.03666	(17112602)
602640.57	4130870.66	0.03365	(17110702)	602640.57	4130920.66	0.03194	(17112002)
602690.57	4130220.66	0.03104	(17122023)	602690.57	4130270.66	0.03113	(17111124)
602690.57	4130320.66	0.03607	(17111124)	602690.57	4130370.66	0.03691	(17121102)
602690.57	4130420.66	0.03720	(17010205)	602690.57	4130470.66	0.03851	(17111107)
602690.57	4130520.66	0.03862	(17111623)	602690.57	4130570.66	0.04539	(17011601)
602690.57	4130620.66	0.05057	(17011601)	602690.57	4130670.66	0.04834	(17110924)
602690.57	4130720.66	0.04566	(17121424)	602690.57	4130770.66	0.04258	(17112602)
602690.57	4130820.66	0.03939	(17112602)	602690.57	4130870.66	0.03709	(17112002)
602690.57	4130920.66	0.03391	(17112603)	602740.57			

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4130220.66        0.03568  (17122023)
       602740.57   4130270.66        0.03584  (17122023)                602740.57
4130320.66        0.04125  (17111124)
       602740.57   4130370.66        0.04319  (17111805)                602740.57
4130420.66        0.04371  (17010205)
       602740.57   4130470.66        0.04535  (17111107)                602740.57
4130520.66        0.04528  (17111623)
       602740.57   4130570.66        0.05678  (17011601)                602740.57
4130620.66        0.05839  (17120822)
       602740.57   4130670.66        0.05544  (17110924)                602740.57
4130720.66        0.05124  (17120107)
       602740.57   4130770.66        0.04787  (17112602)                602740.57
4130820.66        0.04388  (17112302)
       602740.57   4130870.66        0.03985  (17112603)                602790.57
4130270.66        0.04408  (17122023)
       602790.57   4130320.66        0.04629  (17111124)                602790.57
4130370.66        0.05118  (17111805)
       602790.57   4130420.66        0.05255  (17112723)                602790.57
4130470.66        0.05456  (17111107)
       602790.57   4130520.66        0.05389  (17111623)                602790.57
4130570.66        0.07089  (17011601)
       602790.57   4130620.66        0.06797  (17110924)                602790.57
4130670.66        0.06324  (17121424)
       602790.57   4130720.66        0.05911  (17112602)                602790.57
4130770.66        0.05308  (17112302)
       602790.57   4130820.66        0.04784  (17112603)                602840.57
4130320.66        0.05390  (17122023)
       602840.57   4130370.66        0.06333  (17111124)                602840.57
4130420.66        0.06473  (17112723)
       602840.57   4130470.66        0.06748  (17111107)                602840.57
4130520.66        0.07220  (17011601)
       602840.57   4130570.66        0.08752  (17121724)                602840.57
4130620.66        0.08162  (17110924)
       602840.57   4130670.66        0.07412  (17112602)                602840.57
4130720.66        0.06596  (17112302)
       602840.57   4130770.66        0.05893  (17112603)                602890.57
4130370.66        0.07773  (17111124)
       602890.57   4130420.66        0.08330  (17121102)                602890.57
4130470.66        0.08665  (17111107)
       602890.57   4130520.66        0.10230  (17121122)                602890.57
4130570.66        0.10826  (17122402)
       602890.57   4130620.66        0.09773  (17120724)                602890.57
4130670.66        0.08599  (17110702)
       602940.57   4130520.66        0.14817  (17121122)                602940.57
4130570.66        0.13900  (17110924)
       602940.57   4130620.66        0.12063  (17112602)                602754.62
4130958.49        0.03484  (17110722)
       602804.62   4130858.49        0.04612  (17110722)                602804.62
4130908.49        0.04033  (17110722)
       602804.62   4130958.49        0.03763  (17112004)                602854.62
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*** MODELOPTs: RegDFAULT CONC ELEV FLGPOL URBAN ADJ_U*

*** THE 1ST HIGHEST 1-HR AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: ALL ***
INCLUDING SOURCE(S): VOL1 , VOL2 , VOL3 , VOL4 , VOL5 , VOL6 , VOL7 , VOL8 , VOL9 , VOL10 , VOL11 , VOL12 , VOL13 , VOL14 , VOL15 , VOL16 , VOL17 , VOL18 , VOL19 ,

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

** CONC OF PM_10 IN MICROGRAMS/M**3 **

X-COORD (M)	Y-COORD (M)	CONC	(YYMMDDHH)	X-COORD (M)	Y-COORD (M)	CONC	(YYMMDDHH)
602854.62	4130958.49	0.03952	(17122822)	602904.62	4130758.49	0.07101	(17110722)
602904.62	4130808.49	0.06158	(17112004)	602904.62	4130858.49	0.05310	(17122822)
602904.62	4130908.49	0.04732	(17120224)	602904.62	4130958.49	0.04259	(17120520)
602954.62	4130708.49	0.09241	(17110722)	602954.62	4130758.49	0.07833	(17112004)
602954.62	4130808.49	0.06668	(17120820)	602954.62	4130858.49	0.05826	(17120520)
602954.62	4130908.49	0.05040	(17121019)	602954.62	4130958.49	0.04441	(17111221)
603004.62	4130658.49	0.13131	(17112004)	603004.62	4130708.49	0.10534	(17120820)
603004.62	4130758.49	0.08701	(17120520)	603004.62	4130808.49	0.07248	(17121019)
603004.62	4130858.49	0.06222	(17111221)	603004.62	4130908.49	0.05286	(17111221)
603004.62	4130958.49	0.04633	(17111224)	603054.62	4130658.49	0.15298	(17111921)

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       603054.62   4130708.49        0.11847  (17111221)               603054.62
4130758.49        0.09353  (17111224)
       603054.62   4130808.49        0.07607  (17110501)               603054.62
4130858.49        0.06432  (17120719)
       603054.62   4130908.49        0.05477  (17120719)               603054.62
4130958.49        0.04681  (17120719)
       603104.62   4130708.49        0.12409  (17112501)               603104.62
4130758.49        0.09827  (17112501)
       603104.62   4130808.49        0.07982  (17112501)               603104.62
4130858.49        0.06627  (17112501)
       603104.62   4130908.49        0.05659  (17121921)               603104.62
4130958.49        0.04918  (17121921)
       603154.62   4130708.49        0.13984  (17101908)               603154.62
4130758.49        0.09862  (17111421)
       603154.62   4130808.49        0.08001  (17111421)               603154.62
4130858.49        0.06664  (17111421)
       603154.62   4130908.49        0.05668  (17111421)               603154.62
4130958.49        0.04901  (17111421)
       603204.62   4130708.49        0.12288  (17111018)               603204.62
4130758.49        0.09630  (17111018)
       603204.62   4130808.49        0.07895  (17110720)               603204.62
4130858.49        0.06594  (17110720)
       603204.62   4130908.49        0.05561  (17110720)               603204.62
4130958.49        0.04776  (17010418)
       603254.62   4130658.49        0.10776  (17110423)               603254.62
4130708.49        0.08288  (17120819)
       603254.62   4130758.49        0.07708  (17090802)               603254.62
4130808.49        0.07004  (17111018)
       603254.62   4130858.49        0.06234  (17111018)               603254.62
4130908.49        0.05454  (17111018)
       603254.62   4130958.49        0.04735  (17111018)               603304.62
4130758.49        0.06146  (17110423)
       603304.62   4130908.49        0.04475  (17090802)               603304.62
4130958.49        0.04185  (17111018)
       603354.62   4130908.49        0.03559  (17120819)               603354.62
4130958.49        0.03208  (17121819)
       603005.81   4130339.02        0.12516  (17112019)               603005.81
4130359.02        0.14035  (17112019)
       603025.81   4130359.02        0.15720  (17112019)               603025.81
4130379.02        0.17861  (17112420)
       603045.81   4130359.02        0.16611  (17032823)               603045.81
4130379.02        0.20525  (17112019)
       603065.81   4130359.02        0.19321  (17010906)               603065.81
4130379.02        0.22081  (17032823)
       603085.81   4130359.02        0.22082  (17121923)               603105.81
4130339.02        0.20098  (17010624)
       603105.81   4130359.02        0.24876  (17121923)               603105.81
4130379.02        0.31541  (17121923)
       603125.81   4130339.02        0.21313  (17111122)               603125.81
4130359.02        0.26388  (17111122)
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*** MODELOPTs: RegDFAULT CONC ELEV FLGPOL URBAN ADJ_U*

*** THE 1ST HIGHEST 1-HR AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: ALL ***
INCLUDING SOURCE(S): VOL1 , VOL2 , VOL3 , VOL4 , VOL5 ,
VOL6 , VOL7 , VOL8 , VOL9 , VOL10 , VOL11 , VOL12 , VOL13 ,
VOL14 , VOL15 , VOL16 , VOL17 , VOL18 , VOL19 ,

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

** CONC OF PM_10 IN MICROGRAMS/M**3 **

X-COORD (M)	Y-COORD (M)	CONC	(YYMMDDHH)	X-COORD (M)	Y-COORD (M)	CONC	(YYMMDDHH)
603095.25	4130287.16	0.12634	(17010624)	603095.25	4130307.16	0.14940	(17010624)
603115.25	4130287.16	0.13384	(17111122)	603135.25	4130287.16	0.13953	(17111324)
603135.25	4130307.16	0.16503	(17111324)	603155.25	4130287.16	0.17832	(17122518)
603155.25	4130307.16	0.22572	(17102917)	603155.25	4130327.16	0.30149	(17102917)
603175.25	4130287.16	0.24105	(17102917)	603175.25	4130307.16	0.29522	(17102917)
603175.25	4130327.16	0.35756	(17102917)	603175.25	4130347.16	0.42189	(17102917)
602962.66	4130491.49	0.14083	(17121122)	602962.66			

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4130511.49        0.17057  (17121122)
       602962.66   4130531.49        0.17302  (17110807)               602962.66
4130551.49        0.16619  (17110924)
       602982.66   4130511.49        0.20271  (17121122)               602982.66
4130531.49        0.19695  (17122402)
       602982.66   4130551.49        0.18581  (17121424)               602982.66
4130571.49        0.17358  (17112602)
       603002.66   4130531.49        0.22910  (17110924)               603002.66
4130551.49        0.21167  (17110123)
       603235.59   4130440.48        0.40583  (17012917)               603235.59
4130460.48        0.38048  (17120118)
       603255.59   4130320.48        0.18767  (17112406)               603255.59
4130340.48        0.20291  (17122319)
       603255.59   4130420.48        0.32363  (17122416)               603255.59
4130440.48        0.31364  (17011118)
       603255.59   4130460.48        0.30716  (17120118)               603255.59
4130480.48        0.25372  (17121119)
       603275.59   4130320.48        0.16691  (17122319)               603275.59
4130340.48        0.18826  (17012918)
       603275.59   4130360.48        0.22127  (17122416)               603275.59
4130380.48        0.32262  (17122416)
       603275.59   4130400.48        0.31380  (17122416)               603275.59
4130420.48        0.25736  (17121520)
       603275.59   4130440.48        0.26645  (17120118)               603275.59
4130460.48        0.25213  (17120118)
       603275.59   4130480.48        0.20837  (17121119)               603275.59
4130500.48        0.20238  (17112319)
       603295.59   4130340.48        0.17044  (17111918)               603295.59
4130360.48        0.23805  (17122416)
       603295.59   4130380.48        0.27109  (17122416)               603295.59
4130400.48        0.20908  (17121418)
       603295.59   4130420.48        0.22117  (17011118)               603295.59
4130440.48        0.22902  (17120118)
       603295.59   4130460.48        0.21050  (17120118)               603295.59
4130480.48        0.17450  (17121119)
       603295.59   4130500.48        0.17187  (17112319)               603295.59
4130520.48        0.16358  (17110719)
       603315.59   4130360.48        0.22097  (17122416)               603315.59
4130380.48        0.20497  (17122416)
       603315.59   4130400.48        0.18405  (17121520)               603315.59
4130420.48        0.19198  (17011118)
       603315.59   4130440.48        0.19842  (17120118)               603315.59
4130460.48        0.17876  (17120118)
       603315.59   4130480.48        0.14880  (17121119)               603315.59
4130500.48        0.14734  (17112319)
       603315.59   4130520.48        0.14066  (17110719)               603335.59
4130380.48        0.15528  (17120218)
       603335.59   4130420.48        0.16627  (17011118)               603335.59
4130440.48        0.17307  (17120118)
       603335.59   4130460.48        0.15371  (17120118)               603335.59
```

4130480.48   0.12913 (17112320)
       603355.59   4130440.48   0.15208 (17120118)   603355.59
4130460.48   0.13369 (17120118)
       603025.04   4130593.30   0.19677 (17110722)   603025.04
4130613.30   0.17787 (17110722)
       603045.04   4130613.30   0.19241 (17112004)   603045.04
4130633.30   0.17075 (17120820)
       603065.04   4130613.30   0.20878 (17120224)   603065.04
4130633.30   0.18311 (17111921)
       603085.04   4130633.30   0.19385 (17111221)   603085.04
4130653.30   0.16819 (17111224)
       603105.04   4130653.30   0.17408 (17120719)   603125.04
4130653.30   0.17901 (17121921)
       603145.04   4130633.30   0.26152 (17101908)   603145.04
4130653.30   0.21131 (17101908)
       603165.04   4130613.30   0.33215 (17101908)   603165.04
4130633.30   0.27428 (17101908)

 *** MODELOPTs: RegDFAULT CONC ELEV FLGPOL URBAN ADJ_U*

                                *** THE   1ST HIGHEST 1-HR AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: ALL   ***
                                   INCLUDING SOURCE(S):   VOL1   , VOL2
 , VOL3   , VOL4   , VOL5   ,
                 VOL6   , VOL7   , VOL8   , VOL9   , VOL10
 , VOL11   , VOL12   , VOL13   ,
                 VOL14   , VOL15   , VOL16   , VOL17   , VOL18
 , VOL19   ,

                                          *** DISCRETE CARTESIAN RECEPTOR POINTS ***

                                       ** CONC OF PM_10   IN MICROGRAMS/M**3
                    **

      X-COORD (M) Y-COORD (M)   CONC   (YYMMDDHH)   X-COORD (M) Y-COORD (M)   CONC   (YYMMDDHH)
 - - -

```
       603205.04   4130613.30        0.18046  (17090802)              603205.04
4130633.30        0.16980  (17111018)
       603205.04   4130653.30        0.15784  (17111018)              603225.04
4130613.30        0.15620  (17110423)
       603225.04   4130633.30        0.13495  (17112722)              603245.04
4130633.30        0.12751  (17110423)
       602922.39   4130406.41        0.09834  (17111124)              602922.39
4130426.41        0.10036  (17121102)
       602942.39   4130386.41        0.10465  (17111124)              602942.39
4130406.41        0.11213  (17111124)
       602942.39   4130426.41        0.11428  (17121102)              602942.39
4130446.41        0.11530  (17010205)
       602962.39   4130386.41        0.11394  (17111124)              602962.39
4130406.41        0.12798  (17111124)
       602962.39   4130426.41        0.13103  (17121102)              602962.39
4130446.41        0.13277  (17010205)
       602962.39   4130466.41        0.13682  (17111107)              602982.39
4130406.41        0.14576  (17111124)
       602982.39   4130426.41        0.15272  (17111805)              602982.39
4130446.41        0.15512  (17112723)
       602982.39   4130466.41        0.16031  (17111107)              602982.39
4130486.41        0.16099  (17121122)
       603002.39   4130426.41        0.18170  (17111124)              603002.39
4130446.41        0.18497  (17112723)
       603002.39   4130466.41        0.19141  (17111107)              603002.39
4130486.41        0.20336  (17121122)
       603002.39   4130506.41        0.23977  (17121122)              603022.39
4130446.41        0.22592  (17111801)
       603022.39   4130466.41        0.23394  (17111107)              603022.39
4130486.41        0.26162  (17121122)
       603022.39   4130506.41        0.28882  (17110807)              603042.39
4130466.41        0.29444  (17111107)
       603042.39   4130486.41        0.34230  (17121122)              603042.39
4130506.41        0.34662  (17112901)
       603062.39   4130466.41        0.38371  (17111107)              603073.49
4130393.01        0.27190  (17112019)
       603073.49   4130413.01        0.34338  (17112019)              603093.49
4130393.01        0.33103  (17020716)
       603093.49   4130413.01        0.40512  (17111108)              603093.49
4130433.01        0.53297  (17122415)
       603113.49   4130393.01        0.39108  (17121923)              603113.49
4130413.01        0.50302  (17010906)
       603084.25   4130509.77        0.52012  (17010212)              603084.25
4130529.77        0.44389  (17120619)
       603104.25   4130509.77        0.62574  (17112503)              603104.25
4130529.77        0.51307  (17120820)
       603104.25   4130549.77        0.42273  (17111921)              603124.25
4130529.77        0.57897  (17110523)
       603170.74   4130474.71        0.84733  (17041809)              603170.74
4130494.71        0.69913  (17101909)
```

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       603190.74   4130474.71        0.66094  (17052707)                603190.74
 4130494.71        0.54890  (17052707)
       603190.74   4130514.71        0.45726  (17112121)                603210.74
 4130494.71        0.41550  (17111020)
       603210.74   4130514.71        0.36780  (17112419)                603210.74
 4130534.71        0.31668  (17112121)
       603230.74   4130494.71        0.32253  (17112023)                603230.74
 4130514.71        0.29351  (17112424)
       603230.74   4130534.71        0.26236  (17112419)                603230.74
 4130554.71        0.23190  (17112121)
       603250.74   4130514.71        0.24322  (17111020)                603250.74
 4130534.71        0.22300  (17112424)
       603250.74   4130554.71        0.19699  (17012622)                603270.74
 4130534.71        0.18613  (17011321)
       603270.74   4130554.71        0.17421  (17112419)                603290.74
 4130534.71        0.16077  (17111020)
       603348.17   4130591.19        0.09788  (17112424)                603348.17
 4130641.19        0.08167  (17012622)
       603398.17   4130541.19        0.08334  (17110719)                603398.17
 4130591.19        0.07522  (17122217)
       603398.17   4130641.19        0.06959  (17112419)                603448.17
 4130541.19        0.06783  (17112319)
       603448.17   4130591.19        0.06377  (17111020)                603448.17
 4130641.19        0.05806  (17112424)
 *** AERMOD - VERSION 23132  ***   *** C:\Lakes\AERMOD View\36_tully rd\36_tully
rd.isc                      ***        07/19/24
 *** AERMET - VERSION  18081 ***   ***
                        ***        15:33:48

                                   PAGE  26
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  FLGPOL  URBAN  ADJ_U*

                               *** THE   1ST HIGHEST  1-HR AVERAGE CONCENTRATION
VALUES FOR SOURCE GROUP:  ALL      ***
                                  INCLUDING SOURCE(S):     VOL1        , VOL2
 , VOL3        , VOL4        , VOL5        ,
                 VOL6        , VOL7        , VOL8        , VOL9        , VOL10
 , VOL11       , VOL12       , VOL13       ,
                 VOL14       , VOL15       , VOL16       , VOL17       , VOL18
 , VOL19       ,

                                             *** DISCRETE CARTESIAN RECEPTOR POINTS
***

                                          ** CONC OF PM_10    IN MICROGRAMS/M**3
                  **

      X-COORD (M)  Y-COORD (M)        CONC     (YYMMDDHH)              X-COORD (M)
Y-COORD (M)        CONC     (YYMMDDHH)
 - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
```

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- - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
       603498.17   4130591.19        0.05305  (17110719)                603498.17
 4130641.19        0.04781  (17122217)
       603548.17   4130641.19        0.04230  (17111020)                603206.05
 4130384.23        0.36547  (17112406)
       603206.05   4130404.23        0.44312  (17122416)                603206.05
 4130424.23        0.75016  (17122416)
       603206.05   4130444.23        0.78622  (17012917)                603226.05
 4130384.23        0.31721  (17012918)
       603226.05   4130404.23        0.52635  (17122416)                603226.05
 4130424.23        0.59662  (17122416)
       603246.05   4130384.23        0.34411  (17122416)                603246.05
 4130404.23        0.47566  (17122416)
       603096.01   4130606.06        0.24271  (17111221)                603096.01
 4130626.06        0.20696  (17111224)
       603116.01   4130606.06        0.25187  (17120719)                603116.01
 4130626.06        0.21375  (17112501)
       603116.01   4130646.06        0.18593  (17112501)                603136.01
 4130606.06        0.30168  (17101908)
       603136.01   4130626.06        0.23920  (17101908)                603094.75
 4130604.93        0.24321  (17111221)
       603094.75   4130624.93        0.20667  (17111224)                603114.75
 4130604.93        0.25451  (17120719)
       603114.75   4130624.93        0.21279  (17112501)                603114.75
 4130644.93        0.18557  (17112501)
       603134.75   4130584.93        0.38246  (17101908)                603134.75
 4130604.93        0.29635  (17101908)
       603154.75   4130584.93        0.50086  (17101908)                602703.60
 4130052.56        0.02398  (17112019)
 *** AERMOD - VERSION 23132  ***   *** C:\Lakes\AERMOD View\36_tully rd\36_tully
rd.isc                     ***        07/19/24
 *** AERMET - VERSION  18081 ***   ***
                         ***        15:33:48

                                    PAGE  27
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  FLGPOL  URBAN  ADJ_U*

                                    *** THE SUMMARY OF MAXIMUM ANNUAL RESULTS
AVERAGED OVER   1 YEARS ***


                                     ** CONC OF PM_10    IN MICROGRAMS/M**3
               **


                         NETWORK
GROUP ID                       AVERAGE CONC                RECEPTOR  (XR, YR,
ZELEV, ZHILL, ZFLAG)  OF TYPE  GRID-ID
- - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
- - - - - - - - - - - - - - - - - - -
```

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ALL       1ST HIGHEST VALUE IS       0.14937 AT (  603170.74,  4130474.71,
39.01,    39.01,    1.50)  DC
          2ND HIGHEST VALUE IS       0.11764 AT (  603104.25,  4130509.77,
38.71,    38.71,    1.50)  DC
          3RD HIGHEST VALUE IS       0.11499 AT (  603206.05,  4130444.23,
39.32,    39.32,    1.50)  DC
          4TH HIGHEST VALUE IS       0.11006 AT (  603206.05,  4130424.23,
39.32,    39.32,    1.50)  DC
          5TH HIGHEST VALUE IS       0.09565 AT (  603190.74,  4130474.71,
39.02,    39.02,    1.50)  DC
          6TH HIGHEST VALUE IS       0.09407 AT (  603084.25,  4130509.77,
38.71,    38.71,    1.50)  DC
          7TH HIGHEST VALUE IS       0.08465 AT (  603170.74,  4130494.71,
39.00,    39.00,    1.50)  DC
          8TH HIGHEST VALUE IS       0.08238 AT (  603226.05,  4130424.23,
39.32,    39.32,    1.50)  DC
          9TH HIGHEST VALUE IS       0.08233 AT (  603206.05,  4130404.23,
39.32,    39.32,    1.50)  DC
         10TH HIGHEST VALUE IS       0.07758 AT (  603104.25,  4130529.77,
38.71,    38.71,    1.50)  DC


 *** RECEPTOR TYPES:  GC = GRIDCART
                      GP = GRIDPOLR
                      DC = DISCCART
                      DP = DISCPOLR
↑ *** AERMOD - VERSION 23132  ***   *** C:\Lakes\AERMOD View\36_tully rd\36_tully
rd.isc                      ***        07/19/24
 *** AERMET - VERSION  18081 ***   ***
                       ***        15:33:48

                                  PAGE  28
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  FLGPOL  URBAN  ADJ_U*

                                                *** THE SUMMARY OF HIGHEST  1-HR
RESULTS ***


                                   ** CONC OF PM_10    IN MICROGRAMS/M**3
              **

                                                      DATE
                                          NETWORK
GROUP ID                           AVERAGE CONC     (YYMMDDHH)             RECEPTOR
(XR, YR, ZELEV, ZHILL, ZFLAG)    OF TYPE  GRID-ID
- - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
- - - - - - - - - - - - - - - - - - - - - - - -

ALL      HIGH   1ST HIGH VALUE IS       0.84733  ON 17041809: AT (  603170.74,
```

```
4130474.71,    39.01,    39.01,    1.50)  DC


 *** RECEPTOR TYPES:  GC = GRIDCART
                      GP = GRIDPOLR
                      DC = DISCCART
                      DP = DISCPOLR
↑ *** AERMOD - VERSION 23132  ***   *** C:\Lakes\AERMOD View\36_tully rd\36_tully
rd.isc                     ***        07/19/24
 *** AERMET - VERSION  18081 ***   ***
                       ***        15:33:48

                                   PAGE  29
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  FLGPOL  URBAN  ADJ_U*

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

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

 A Total of            0 Fatal Error Message(s)
 A Total of            3 Warning Message(s)
 A Total of          194 Informational Message(s)

 A Total of         8784 Hours Were Processed

 A Total of           52 Calm Hours Identified

 A Total of          142 Missing Hours Identified (  1.62 Percent)


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


    ********   WARNING MESSAGES   ********
 ME W186     100       MEOPEN: THRESH_1MIN 1-min ASOS wind speed threshold used
      0.50
 ME W187     100       MEOPEN: ADJ_U* Option for Stable Low Winds used in AERMET

 MX W481    8785         MAIN: Data Remaining After End of Year. Number of Hours=
        24

    ***********************************
    *** AERMOD Finishes Successfully ***
    ***********************************
```

```
**
**************************************
**
** AERMOD Input Produced by:
** AERMOD View Ver. 12.0.0
** Lakes Environmental Software Inc.
** Date: 7/21/2024
** File: C:\Lakes\AERMOD View\36_tully rd_construction hra mitigated\36_tully
rd.ADI
**
**************************************
**
**
**************************************
** AERMOD Control Pathway
**************************************
**
**
CO STARTING
   TITLEONE C:\Lakes\AERMOD View\36_tully rd\36_tully rd.isc
   MODELOPT DFAULT CONC
   AVERTIME 1 ANNUAL
   URBANOPT 1010000 San_Jose
   POLLUTID PM_10
   FLAGPOLE 1.50
   RUNORNOT RUN
   ERRORFIL "36_tully rd.err"
CO FINISHED
**
**************************************
** AERMOD Source Pathway
**************************************
**
**
SO STARTING
** Source Location **
** Source ID - Type - X Coord. - Y Coord. **
   LOCATION VOL1         VOLUME     603119.851  4130460.233       38.780
   LOCATION VOL2         VOLUME     603119.851  4130470.233       38.780
   LOCATION VOL3         VOLUME     603129.851  4130450.233       38.880
   LOCATION VOL4         VOLUME     603129.851  4130460.233       38.880
   LOCATION VOL5         VOLUME     603129.851  4130470.233       38.880
   LOCATION VOL6         VOLUME     603129.851  4130480.233       38.860
   LOCATION VOL7         VOLUME     603139.851  4130440.233       38.990
   LOCATION VOL8         VOLUME     603139.851  4130450.233       38.980
   LOCATION VOL9         VOLUME     603139.851  4130460.233       38.980
   LOCATION VOL10        VOLUME     603139.851  4130470.233       38.980
   LOCATION VOL11        VOLUME     603139.851  4130480.233       38.950
   LOCATION VOL12        VOLUME     603139.851  4130490.233       38.860
   LOCATION VOL13        VOLUME     603149.851  4130450.233       39.010
```

```
   LOCATION VOL14        VOLUME     603149.851  4130460.233       39.010
   LOCATION VOL15        VOLUME     603149.851  4130470.233       39.010
   LOCATION VOL16        VOLUME     603149.851  4130480.233       38.980
   LOCATION VOL17        VOLUME     603149.851  4130490.233       38.910
   LOCATION VOL18        VOLUME     603159.851  4130460.233       39.010
   LOCATION VOL19        VOLUME     603159.851  4130470.233       39.010
** Source Parameters **
   SRCPARAM VOL1         9.6329E-06     5.000     2.330     1.400
   SRCPARAM VOL2         9.6329E-06     5.000     2.330     1.400
   SRCPARAM VOL3         9.6329E-06     5.000     2.330     1.400
   SRCPARAM VOL4         9.6329E-06     5.000     2.330     1.400
   SRCPARAM VOL5         9.6329E-06     5.000     2.330     1.400
   SRCPARAM VOL6         9.6329E-06     5.000     2.330     1.400
   SRCPARAM VOL7         9.6329E-06     5.000     2.330     1.400
   SRCPARAM VOL8         9.6329E-06     5.000     2.330     1.400
   SRCPARAM VOL9         9.6329E-06     5.000     2.330     1.400
   SRCPARAM VOL10        9.6329E-06     5.000     2.330     1.400
   SRCPARAM VOL11        9.6329E-06     5.000     2.330     1.400
   SRCPARAM VOL12        9.6329E-06     5.000     2.330     1.400
   SRCPARAM VOL13        9.6329E-06     5.000     2.330     1.400
   SRCPARAM VOL14        9.6329E-06     5.000     2.330     1.400
   SRCPARAM VOL15        9.6329E-06     5.000     2.330     1.400
   SRCPARAM VOL16        9.6329E-06     5.000     2.330     1.400
   SRCPARAM VOL17        9.6329E-06     5.000     2.330     1.400
   SRCPARAM VOL18        9.6329E-06     5.000     2.330     1.400
   SRCPARAM VOL19        9.6329E-06     5.000     2.330     1.400
   URBANSRC ALL
   SRCGROUP ALL
SO FINISHED
**
**************************************
** AERMOD Receptor Pathway
**************************************
**
**
RE STARTING
   INCLUDED "36_tully rd.rou"
RE FINISHED
**
**************************************
** AERMOD Meteorology Pathway
**************************************
**
**
ME STARTING
   SURFFILE "San Jose Intl Airport (KSJC)\KSJC_2017.SFC"
   PROFFILE "San Jose Intl Airport (KSJC)\KSJC_2017.PFL"
   SURFDATA 23293 2017 San_Jose_Airport
   UAIRDATA 23230 2017 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 "36_tully rd.AD\01H1GALL.PLT" 31
   PLOTFILE ANNUAL ALL "36_tully rd.AD\AN00GALL.PLT" 32
   SUMMFILE "36_tully rd.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
**
```

```
**
**************************************
**
** AERMOD Input Produced by:
** AERMOD View Ver. 12.0.0
** Lakes Environmental Software Inc.
** Date: 7/21/2024
** File: C:\Lakes\AERMOD View\36_tully rd_construction hra mitigated\36_tully
rd.ADI
**
**************************************
**
**
**************************************
** AERMOD Control Pathway
**************************************
**
**
CO STARTING
   TITLEONE C:\Lakes\AERMOD View\36_tully rd\36_tully rd.isc
   MODELOPT DFAULT CONC
   AVERTIME 1 ANNUAL
   URBANOPT 1010000 San_Jose
   POLLUTID PM_10
   FLAGPOLE 1.50
   RUNORNOT RUN
   ERRORFIL "36_tully rd.err"
CO FINISHED
**
**************************************
** AERMOD Source Pathway
**************************************
**
**
SO STARTING
** Source Location **
** Source ID - Type - X Coord. - Y Coord. **
   LOCATION VOL1         VOLUME     603119.851  4130460.233       38.780
   LOCATION VOL2         VOLUME     603119.851  4130470.233       38.780
   LOCATION VOL3         VOLUME     603129.851  4130450.233       38.880
   LOCATION VOL4         VOLUME     603129.851  4130460.233       38.880
   LOCATION VOL5         VOLUME     603129.851  4130470.233       38.880
   LOCATION VOL6         VOLUME     603129.851  4130480.233       38.860
   LOCATION VOL7         VOLUME     603139.851  4130440.233       38.990
   LOCATION VOL8         VOLUME     603139.851  4130450.233       38.980
   LOCATION VOL9         VOLUME     603139.851  4130460.233       38.980
   LOCATION VOL10        VOLUME     603139.851  4130470.233       38.980
   LOCATION VOL11        VOLUME     603139.851  4130480.233       38.950
   LOCATION VOL12        VOLUME     603139.851  4130490.233       38.860
   LOCATION VOL13        VOLUME     603149.851  4130450.233       39.010
```

```
   LOCATION VOL14        VOLUME     603149.851  4130460.233       39.010
   LOCATION VOL15        VOLUME     603149.851  4130470.233       39.010
   LOCATION VOL16        VOLUME     603149.851  4130480.233       38.980
   LOCATION VOL17        VOLUME     603149.851  4130490.233       38.910
   LOCATION VOL18        VOLUME     603159.851  4130460.233       39.010
   LOCATION VOL19        VOLUME     603159.851  4130470.233       39.010
** Source Parameters **
   SRCPARAM VOL1         9.6329E-06     5.000     2.330     1.400
   SRCPARAM VOL2         9.6329E-06     5.000     2.330     1.400
   SRCPARAM VOL3         9.6329E-06     5.000     2.330     1.400
   SRCPARAM VOL4         9.6329E-06     5.000     2.330     1.400
   SRCPARAM VOL5         9.6329E-06     5.000     2.330     1.400
   SRCPARAM VOL6         9.6329E-06     5.000     2.330     1.400
   SRCPARAM VOL7         9.6329E-06     5.000     2.330     1.400
   SRCPARAM VOL8         9.6329E-06     5.000     2.330     1.400
   SRCPARAM VOL9         9.6329E-06     5.000     2.330     1.400
   SRCPARAM VOL10        9.6329E-06     5.000     2.330     1.400
   SRCPARAM VOL11        9.6329E-06     5.000     2.330     1.400
   SRCPARAM VOL12        9.6329E-06     5.000     2.330     1.400
   SRCPARAM VOL13        9.6329E-06     5.000     2.330     1.400
   SRCPARAM VOL14        9.6329E-06     5.000     2.330     1.400
   SRCPARAM VOL15        9.6329E-06     5.000     2.330     1.400
   SRCPARAM VOL16        9.6329E-06     5.000     2.330     1.400
   SRCPARAM VOL17        9.6329E-06     5.000     2.330     1.400
   SRCPARAM VOL18        9.6329E-06     5.000     2.330     1.400
   SRCPARAM VOL19        9.6329E-06     5.000     2.330     1.400
   URBANSRC ALL
   SRCGROUP ALL
SO FINISHED
**
**************************************
** AERMOD Receptor Pathway
**************************************
**
**
RE STARTING
   INCLUDED "36_tully rd.rou"
RE FINISHED
**
**************************************
** AERMOD Meteorology Pathway
**************************************
**
**
ME STARTING
   SURFFILE "San Jose Intl Airport (KSJC)\KSJC_2017.SFC"
   PROFFILE "San Jose Intl Airport (KSJC)\KSJC_2017.PFL"
   SURFDATA 23293 2017 San_Jose_Airport
   UAIRDATA 23230 2017 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 "36_tully rd.AD\01H1GALL.PLT" 31
   PLOTFILE ANNUAL ALL "36_tully rd.AD\AN00GALL.PLT" 32
   SUMMFILE "36_tully rd.sum"
OU FINISHED


  *** Message Summary For AERMOD Model Setup ***

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

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


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


    ********   WARNING MESSAGES   ********
 ME W186     100       MEOPEN: THRESH_1MIN 1-min ASOS wind speed threshold used
      0.50
 ME W187     100       MEOPEN: ADJ_U* Option for Stable Low Winds used in AERMET


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

 *** AERMOD - VERSION 23132  ***   *** C:\Lakes\AERMOD View\36_tully rd\36_tully
rd.isc                     ***        07/21/24
 *** AERMET - VERSION  18081 ***   ***
                       ***        17:49:35

                                  PAGE   1
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  FLGPOL  URBAN  ADJ_U*

                                             ***     MODEL SETUP OPTIONS SUMMARY
  ***
```

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 - - -
```

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 ;
Emission Rate Unit Factor = 0.10000E+07
Output Units = MICROGRAMS/M**3

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

**Input Runstream File: aermod.inp

**Output Print File: aermod.out

**Detailed Error/Message File: 36_tully rd.err

**File for Summary of Results: 36_tully rd.sum

*** AERMOD - VERSION 23132 *** *** C:\Lakes\AERMOD View\36_tully rd\36_tully rd.isc *** 07/21/24
*** AERMET - VERSION 18081 *** *** 17:49:35

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

*** VOLUME SOURCE DATA ***

SOURCE ID	NUMBER PART. CATS.	EMISSION RATE (GRAMS/SEC)	X (METERS)	Y (METERS)	BASE ELEV. (METERS)	RELEASE HEIGHT (METERS)	INIT. SY (METERS)	INIT. SZ (METERS)	URBAN SOURCE	EMISSION RATE SCALAR VARY BY	AIRCRAFT
VOL1	0	0.96329E-05	603119.9	4130460.2	38.8	5.00	2.33	1.40	YES	NO	

```
 VOL2            0   0.96329E-05  603119.9 4130470.2    38.8     5.00     2.33
1.40     YES                    NO
 VOL3            0   0.96329E-05  603129.9 4130450.2    38.9     5.00     2.33
1.40     YES                    NO
 VOL4            0   0.96329E-05  603129.9 4130460.2    38.9     5.00     2.33
1.40     YES                    NO
 VOL5            0   0.96329E-05  603129.9 4130470.2    38.9     5.00     2.33
1.40     YES                    NO
 VOL6            0   0.96329E-05  603129.9 4130480.2    38.9     5.00     2.33
1.40     YES                    NO
 VOL7            0   0.96329E-05  603139.9 4130440.2    39.0     5.00     2.33
1.40     YES                    NO
 VOL8            0   0.96329E-05  603139.9 4130450.2    39.0     5.00     2.33
1.40     YES                    NO
 VOL9            0   0.96329E-05  603139.9 4130460.2    39.0     5.00     2.33
1.40     YES                    NO
 VOL10           0   0.96329E-05  603139.9 4130470.2    39.0     5.00     2.33
1.40     YES                    NO
 VOL11           0   0.96329E-05  603139.9 4130480.2    38.9     5.00     2.33
1.40     YES                    NO
 VOL12           0   0.96329E-05  603139.9 4130490.2    38.9     5.00     2.33
1.40     YES                    NO
 VOL13           0   0.96329E-05  603149.9 4130450.2    39.0     5.00     2.33
1.40     YES                    NO
 VOL14           0   0.96329E-05  603149.9 4130460.2    39.0     5.00     2.33
1.40     YES                    NO
 VOL15           0   0.96329E-05  603149.9 4130470.2    39.0     5.00     2.33
1.40     YES                    NO
 VOL16           0   0.96329E-05  603149.9 4130480.2    39.0     5.00     2.33
1.40     YES                    NO
 VOL17           0   0.96329E-05  603149.9 4130490.2    38.9     5.00     2.33
1.40     YES                    NO
 VOL18           0   0.96329E-05  603159.9 4130460.2    39.0     5.00     2.33
1.40     YES                    NO
 VOL19           0   0.96329E-05  603159.9 4130470.2    39.0     5.00     2.33
1.40     YES                    NO
↑ *** AERMOD - VERSION 23132  ***   *** C:\Lakes\AERMOD View\36_tully rd\36_tully
rd.isc                      ***       07/21/24
 *** AERMET - VERSION  18081 ***   ***
                         ***       17:49:35

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 *** MODELOPTs:    RegDFAULT  CONC  ELEV  FLGPOL  URBAN  ADJ_U*


                                          *** SOURCE IDs DEFINING SOURCE GROUPS
***

 SRCGROUP ID                                                 SOURCE IDs
 -----------                                                 ----------
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```
  ALL        VOL1        , VOL2        , VOL3        , VOL4        , VOL5        ,
VOL6        , VOL7        , VOL8        ,

             VOL9        , VOL10       , VOL11       , VOL12       , VOL13       ,
VOL14       , VOL15       , VOL16       ,

             VOL17       , VOL18       , VOL19       ,
↑ *** AERMOD - VERSION 23132  ***   *** C:\Lakes\AERMOD View\36_tully rd\36_tully
rd.isc                      ***       07/21/24
 *** AERMET - VERSION  18081 ***   ***
                        ***       17:49:35

                                  PAGE   4
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  FLGPOL  URBAN  ADJ_U*


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

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


              1010000.   VOL1        , VOL2        , VOL3        , VOL4        ,
VOL5        , VOL6        , VOL7        ,
 VOL8        ,

             VOL9        , VOL10       , VOL11       , VOL12       , VOL13       ,
VOL14       , VOL15       , VOL16       ,

             VOL17       , VOL18       , VOL19       ,
↑ *** AERMOD - VERSION 23132  ***   *** C:\Lakes\AERMOD View\36_tully rd\36_tully
rd.isc                      ***       07/21/24
 *** AERMET - VERSION  18081 ***   ***
                        ***       17:49:35

                                  PAGE   5
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  FLGPOL  URBAN  ADJ_U*

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

     ( 602766.9, 4130103.3,      40.7,      40.7,       1.5);         ( 602766.9,
4130153.3,      40.3,      40.3,       1.5);
     ( 602816.9, 4130053.3,      40.9,      40.9,       1.5);         ( 602816.9,
4130103.3,      40.7,      40.7,       1.5);
     ( 602816.9, 4130153.3,      40.4,      40.4,       1.5);         ( 602816.9,
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     ( 602866.9, 4130003.3,      41.1,      41.1,       1.5);         ( 602866.9,
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     ( 602866.9, 4130103.3,      40.6,      40.6,       1.5);         ( 602866.9,
4130153.3,      40.2,      40.2,       1.5);
     ( 602866.9, 4130203.3,      40.0,      40.0,       1.5);         ( 602866.9,
4130253.3,      39.8,      39.8,       1.5);
     ( 602916.9, 4129953.3,      41.3,      41.3,       1.5);         ( 602916.9,
4130003.3,      41.1,      41.1,       1.5);
     ( 602916.9, 4130053.3,      40.8,      40.8,       1.5);         ( 602916.9,
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     ( 602916.9, 4130153.3,      40.2,      40.2,       1.5);         ( 602916.9,
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     ( 602966.9, 4130003.3,      41.1,      41.1,       1.5);         ( 602966.9,
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     ( 602966.9, 4130103.3,      40.5,      40.5,       1.5);         ( 602966.9,
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     ( 602966.9, 4130203.3,      39.9,      39.9,       1.5);         ( 602966.9,
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     ( 603216.9, 4130203.3,      40.0,      40.0,       1.5);         ( 603216.9,
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     ( 603266.9, 4130153.3,      40.3,      40.3,       1.5);         ( 603266.9,
4130203.3,      40.2,      40.2,       1.5);
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4130003.3,      40.8,      40.8,       1.5);
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4130053.3,      40.7,      40.7,       1.5);
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4130297.7,      39.9,      39.9,       1.5);
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     ( 603358.3, 4130297.7,      40.0,      40.0,       1.5);         ( 603358.3,
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     ( 603358.3, 4130397.7,      39.9,      39.9,       1.5);         ( 603408.3,
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4130197.7,      40.3,      40.3,       1.5);
 *** AERMOD - VERSION 23132  ***   *** C:\Lakes\AERMOD View\36_tully rd\36_tully
rd.isc                      ***       07/21/24
 *** AERMET - VERSION  18081 ***   ***
                            ***       17:49:35

                                    PAGE   6
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  FLGPOL  URBAN  ADJ_U*

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

     ( 603408.3, 4130247.7,      40.2,      40.2,       1.5);         ( 603408.3,
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     ( 603408.3, 4130347.7,      40.2,      40.2,       1.5);         ( 603408.3,
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4129997.7,      41.1,      41.1,       1.5);
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 *** AERMOD - VERSION 23132  ***   *** C:\Lakes\AERMOD View\36_tully rd\36_tully
rd.isc                      ***        07/21/24
 *** AERMET - VERSION  18081 ***   ***
                            ***       17:49:35

                                    PAGE   7
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  FLGPOL  URBAN  ADJ_U*

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

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 *** MODELOPTs: RegDFAULT CONC ELEV FLGPOL URBAN ADJ_U*

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

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 *** AERMOD - VERSION 23132  ***   *** C:\Lakes\AERMOD View\36_tully rd\36_tully
rd.isc                      ***        07/21/24
 *** AERMET - VERSION  18081 ***   ***
                         ***       17:49:35

                                  PAGE   9
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  FLGPOL  URBAN  ADJ_U*

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

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4130486.4,      38.7,      38.7,       1.5);
     ( 603002.4, 4130506.4,      38.7,      38.7,       1.5);         ( 603022.4,
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     ( 603022.4, 4130466.4,      38.8,      38.8,       1.5);         ( 603022.4,
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     ( 603093.5, 4130413.0,      39.0,      39.0,       1.5);         ( 603093.5,
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     ( 603113.5, 4130393.0,      39.0,      39.0,       1.5);         ( 603113.5,
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4130529.8,      38.7,      38.7,       1.5);
 *** AERMOD - VERSION 23132  ***   *** C:\Lakes\AERMOD View\36_tully rd\36_tully
rd.isc                     ***        07/21/24
 *** AERMET - VERSION  18081 ***   ***
                           ***       17:49:35

                                    PAGE  10
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  FLGPOL  URBAN  ADJ_U*
```

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

(603104.2, 4130509.8, 38.7, 38.7, 1.5); (603104.2, 4130529.8, 38.7, 38.7, 1.5);
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(603206.1, 4130404.2, 39.3, 39.3, 1.5); (603206.1, 4130424.2, 39.3, 39.3, 1.5);
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4130052.6,   40.9,   40.9,   1.5);

 *** MODELOPTs: RegDFAULT CONC ELEV FLGPOL URBAN ADJ_U*

                                          *** METEOROLOGICAL DAYS SELECTED FOR
PROCESSING ***
                                                              (1=YES; 0=NO)

            1 1 1 1 1 1 1 1 1 1   1 1 1 1 1 1 1 1 1 1   1 1 1 1 1 1 1 1 1 1   1 1 1
1 1 1 1 1 1 1   1 1 1 1 1 1 1 1 1 1
            1 1 1 1 1 1 1 1 1 1   1 1 1 1 1 1 1 1 1 1   1 1 1 1 1 1 1 1 1 1   1 1 1
1 1 1 1 1 1 1   1 1 1 1 1 1 1 1 1 1
            1 1 1 1 1 1 1 1 1 1   1 1 1 1 1 1 1 1 1 1   1 1 1 1 1 1 1 1 1 1   1 1 1
1 1 1 1 1 1 1   1 1 1 1 1 1 1 1 1 1
            1 1 1 1 1 1 1 1 1 1   1 1 1 1 1 1 1 1 1 1   1 1 1 1 1 1 1 1 1 1   1 1 1
1 1 1 1 1 1 1   1 1 1 1 1 1 1 1 1 1
            1 1 1 1 1 1 1 1 1 1   1 1 1 1 1 1 1 1 1 1   1 1 1 1 1 1 1 1 1 1   1 1 1
1 1 1 1 1 1 1   1 1 1 1 1 1 1 1 1 1
            1 1 1 1 1 1 1 1 1 1   1 1 1 1 1 1 1 1 1 1   1 1 1 1 1 1 1 1 1 1   1 1 1
1 1 1 1 1 1 1   1 1 1 1 1 1 1 1 1 1
            1 1 1 1 1 1 1 1 1 1   1 1 1 1 1 1 1 1 1 1   1 1 1 1 1 1 1 1 1 1   1 1 1
1 1 1 1 1 1 1   1 1 1 1 1 1 1 1 1 1
            1 1 1 1 1 1 1 1 1 1   1 1 1 1 1

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

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

 *** MODELOPTs: RegDFAULT CONC ELEV FLGPOL URBAN ADJ_U*

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

   Surface file: San Jose Intl Airport (KSJC)\KSJC_2017.SFC
                  Met Version: 18081
   Profile file: San Jose Intl Airport (KSJC)\KSJC_2017.PFL

   Surface format: FREE

   Profile format: FREE

   Surface station no.:   23293   Upper air station no.:   23230
                  Name: SAN_JOSE_AIRPORT   Name:
OAKLAND/WSO_AP
                  Year: 2017   Year: 2017

 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
- -
- - - - - - - - - - - - - - - - - - -
 17 01 01   1 01 -22.4 0.219 -9.000 -9.000 -999. 246.   52.9 0.02   0.68
1.00   3.36 121.   7.9 277.5   2.0
 17 01 01   1 02 -12.5 0.138 -9.000 -9.000 -999. 125.   21.0 0.02   0.68
1.00   2.17 180.   7.9 278.1   2.0
 17 01 01   1 03 -16.7 0.164 -9.000 -9.000 -999. 160.   29.6 0.02   0.68
1.00   2.55 137.   7.9 278.8   2.0
 17 01 01   1 04 -17.5 0.172 -9.000 -9.000 -999. 172.   32.7 0.02   0.68
1.00   2.67 125.   7.9 279.2   2.0
 17 01 01   1 05 -21.8 0.215 -9.000 -9.000 -999. 239.   50.6 0.02   0.68
1.00   3.29 122.   7.9 279.2   2.0
 17 01 01   1 06 -15.2 0.153 -9.000 -9.000 -999. 145.   25.8 0.02   0.68
1.00   2.39 154.   7.9 279.9   2.0
 17 01 01   1 07 -18.9 0.187 -9.000 -9.000 -999. 194.   38.3 0.02   0.68
1.00   2.88 124.   7.9 279.9   2.0
 17 01 01   1 08 -17.7 0.175 -9.000 -9.000 -999. 176.   33.7 0.02   0.68
0.74   2.71 132.   7.9 279.9   2.0
 17 01 01   1 09   5.8 0.168 0.369 0.005 314. 166.   -74.7 0.02   0.68
0.39   2.32 134.   7.9 280.9   2.0
 17 01 01   1 10   35.9 0.138 0.923 0.018 792. 123.   -6.6 0.02   0.68

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0.27    1.59  138.    7.9  282.0    2.0
 17 01 01   1 11   59.1  0.123  1.168  0.019  974.  104.     -2.9  0.02   0.68
0.23    1.28  129.    7.9  284.2    2.0
 17 01 01   1 12   72.0  0.252  1.293  0.020 1085.  304.    -20.1  0.02   0.68
0.21    3.34  280.    7.9  284.9    2.0
 17 01 01   1 13   87.9  0.389  1.384  0.019 1089.  582.    -60.3  0.05   0.68
0.21    4.65  263.    7.9  285.9    2.0
 17 01 01   1 14   65.5  0.353  1.256  0.019 1091.  504.    -60.5  0.05   0.68
0.22    4.22  270.    7.9  285.9    2.0
 17 01 01   1 15   46.1  0.403  1.118  0.018 1093.  613.   -128.0  0.05   0.68
0.25    4.97  244.    7.9  285.4    2.0
 17 01 01   1 16   18.2  0.370  0.820  0.018 1094.  542.   -252.7  0.02   0.68
0.33    5.44  281.    7.9  285.4    2.0
 17 01 01   1 17  -32.0  0.420 -9.000 -9.000 -999.  653.    209.2  0.02   0.68
0.57    6.43  279.    7.9  283.1    2.0
 17 01 01   1 18  -28.9  0.288 -9.000 -9.000 -999.  382.     91.1  0.05   0.68
1.00    3.85  243.    7.9  282.0    2.0
 17 01 01   1 19  -18.6  0.185 -9.000 -9.000 -999.  197.     37.6  0.05   0.68
1.00    2.52  246.    7.9  282.0    2.0
 17 01 01   1 20  -13.3  0.147 -9.000 -9.000 -999.  135.     23.7  0.05   0.68
1.00    2.03  225.    7.9  280.9    2.0
 17 01 01   1 21   -7.4  0.105 -9.000 -9.000 -999.   82.     14.3  0.02   0.68
1.00    1.69  116.    7.9  282.0    2.0
 17 01 01   1 22  -10.4  0.130 -9.000 -9.000 -999.  112.     19.0  0.05   0.68
1.00    1.76   94.    7.9  281.4    2.0
 17 01 01   1 23  -14.5  0.149 -9.000 -9.000 -999.  138.     24.5  0.02   0.68
1.00    2.33  133.    7.9  280.9    2.0
 17 01 01   1 24  -21.8  0.215 -9.000 -9.000 -999.  240.     51.0  0.02   0.68
1.00    3.30  114.    7.9  280.4    2.0


 First hour of profile data
 YR MO DY HR HEIGHT F  WDIR    WSPD AMB_TMP sigmaA  sigmaW  sigmaV
 17 01 01 01    7.9 1  121.    3.36   277.6   99.0  -99.00  -99.00

 F indicates top of profile (=1) or below (=0)
 *** AERMOD - VERSION 23132  ***   *** C:\Lakes\AERMOD View\36_tully rd\36_tully
rd.isc                      ***        07/21/24
 *** AERMET - VERSION  18081 ***   ***
                       ***        17:49:35

                                  PAGE  13
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  FLGPOL  URBAN  ADJ_U*

                   *** THE ANNUAL AVERAGE CONCENTRATION    VALUES AVERAGED OVER   1
YEARS FOR SOURCE GROUP: ALL      ***
                                    INCLUDING SOURCE(S):     VOL1        , VOL2
 , VOL3        , VOL4        , VOL5        ,
                   VOL6        , VOL7        , VOL8        , VOL9        , VOL10
 , VOL11       , VOL12       , VOL13       ,
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VOL14 , VOL15 , VOL16 , VOL17 , VOL18 , VOL19 ,

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

** CONC OF PM_10 IN MICROGRAMS/M**3 **

X-COORD (M)	Y-COORD (M)	CONC	X-COORD (M)	Y-COORD (M)	CONC
602766.91	4130103.30	0.00030	602766.91	4130153.30	0.00033
602816.91	4130053.30	0.00029	602816.91	4130103.30	0.00033
602816.91	4130153.30	0.00038	602816.91	4130203.30	0.00044
602866.91	4130003.30	0.00028	602866.91	4130053.30	0.00032
602866.91	4130103.30	0.00037	602866.91	4130153.30	0.00043
602866.91	4130203.30	0.00051	602866.91	4130253.30	0.00061
602916.91	4129953.30	0.00026	602916.91	4130003.30	0.00030
602916.91	4130053.30	0.00035	602916.91	4130103.30	0.00041
602916.91	4130153.30	0.00049	602916.91	4130203.30	0.00059
602916.91	4130253.30	0.00073	602966.91	4129953.30	0.00028
602966.91	4130003.30	0.00033	602966.91	4130053.30	0.00039
602966.91	4130103.30	0.00046	602966.91	4130153.30	0.00056
602966.91	4130203.30	0.00069	602966.91	4130253.30	0.00088
602966.91	4130303.30	0.00114	603016.91	4129953.30	0.00030
603016.91	4130003.30	0.00035	603016.91	4130053.30	0.00042
603016.91	4130103.30	0.00051	603016.91	4130153.30	0.00063
603016.91	4130203.30	0.00080	603016.91	4130253.30	0.00106
603016.91	4130303.30	0.00146	603066.91	4129953.30	0.00032
603066.91	4130003.30	0.00037	603066.91		

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4130053.30        0.00045
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4130153.30        0.00070
         603066.91    4130203.30        0.00092                      603066.91
4130253.30        0.00126
         603116.91    4129953.30        0.00033                      603116.91
4130003.30        0.00040
         603116.91    4130053.30        0.00048                      603116.91
4130103.30        0.00060
         603116.91    4130153.30        0.00077                      603116.91
4130203.30        0.00104
         603116.91    4130253.30        0.00147                      603166.91
4129953.30        0.00036
         603166.91    4130003.30        0.00044                      603166.91
4130053.30        0.00054
         603166.91    4130103.30        0.00068                      603166.91
4130153.30        0.00089
         603166.91    4130203.30        0.00124                      603216.91
4129953.30        0.00040
         603216.91    4130003.30        0.00049                      603216.91
4130053.30        0.00062
         603216.91    4130103.30        0.00080                      603216.91
4130153.30        0.00109
         603216.91    4130203.30        0.00158                      603216.91
4130253.30        0.00250
         603266.91    4129953.30        0.00046                      603266.91
4130003.30        0.00057
         603266.91    4130053.30        0.00073                      603266.91
4130103.30        0.00097
         603266.91    4130153.30        0.00134                      603266.91
4130203.30        0.00197
         603316.91    4129953.30        0.00053                      603316.91
4130003.30        0.00066
         603316.91    4130053.30        0.00085                      603316.91
4130103.30        0.00113
         603316.91    4130153.30        0.00156                      603366.91
4129953.30        0.00059
         603366.91    4130003.30        0.00075                      603366.91
4130053.30        0.00096
         603366.91    4130103.30        0.00126                      603416.91
4129953.30        0.00065
         603416.91    4130003.30        0.00081                      603466.91
4129953.30        0.00070
 *** AERMOD - VERSION 23132  ***   *** C:\Lakes\AERMOD View\36_tully rd\36_tully
rd.isc                     ***        07/21/24
 *** AERMET - VERSION  18081 ***   ***
                          ***       17:49:35

                                   PAGE  14
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  FLGPOL  URBAN  ADJ_U*
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*** THE ANNUAL AVERAGE CONCENTRATION VALUES AVERAGED OVER 1 YEARS FOR SOURCE GROUP: ALL ***

INCLUDING SOURCE(S): VOL1 , VOL2 , VOL3 , VOL4 , VOL5 , VOL6 , VOL7 , VOL8 , VOL9 , VOL10 , VOL11 , VOL12 , VOL13 , VOL14 , VOL15 , VOL16 , VOL17 , VOL18 , VOL19 ,

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

** CONC OF PM_10 IN MICROGRAMS/M**3 **

X-COORD (M)	Y-COORD (M)	CONC	X-COORD (M)	Y-COORD (M)	CONC
603308.27	4130247.67	0.00320	603308.27	4130297.67	0.00502
603358.27	4130197.67	0.00225	603358.27	4130247.67	0.00319
603358.27	4130297.67	0.00445	603358.27	4130347.67	0.00558
603358.27	4130397.67	0.00538	603408.27	4130097.67	0.00128
603408.27	4130147.67	0.00167	603408.27	4130197.67	0.00222
603408.27	4130247.67	0.00293	603408.27	4130297.67	0.00368
603408.27	4130347.67	0.00402	603408.27	4130397.67	0.00352
603408.27	4130447.67	0.00253	603458.27	4130047.67	0.00103
603458.27	4130097.67	0.00130	603458.27	4130147.67	0.00164
603458.27	4130197.67	0.00209	603458.27	4130247.67	0.00257
603458.27	4130297.67	0.00294	603458.27	4130347.67	0.00293
603458.27	4130397.67	0.00245	603458.27	4130447.67	0.00181
603458.27	4130497.67	0.00137	603508.27	4129997.67	0.00085
603508.27	4130047.67	0.00104	603508.27	4130097.67	0.00127
603508.27	4130147.67	0.00156	603508.27	4130197.67	0.00189

603508.27 4130247.67 0.00219 603508.27 4130297.67 0.00233
603508.27 4130347.67 0.00219 603508.27 4130397.67 0.00179
603508.27 4130447.67 0.00137 603508.27 4130497.67 0.00108
603508.27 4130547.67 0.00090 603558.27 4129997.67 0.00085
603558.27 4130047.67 0.00102 603558.27 4130097.67 0.00122
603558.27 4130147.67 0.00145 603558.27 4130197.67 0.00168
603558.27 4130247.67 0.00184 603558.27 4130297.67 0.00185
603558.27 4130347.67 0.00167 603558.27 4130397.67 0.00137
603558.27 4130447.67 0.00107 603558.27 4130497.67 0.00087
603558.27 4130547.67 0.00075 603558.27 4130597.67 0.00066
603608.27 4129997.67 0.00084 603608.27 4130047.67 0.00098
603608.27 4130097.67 0.00115 603608.27 4130147.67 0.00132
603608.27 4130197.67 0.00147 603608.27 4130247.67 0.00154
603608.27 4130297.67 0.00149 603608.27 4130347.67 0.00131
603608.27 4130397.67 0.00108 603608.27 4130447.67 0.00087
603608.27 4130497.67 0.00072 603608.27 4130547.67 0.00063
603608.27 4130597.67 0.00056 603658.27 4129997.67 0.00081
603658.27 4130047.67 0.00093 603658.27 4130097.67 0.00107
603658.27 4130147.67 0.00119 603658.27 4130197.67 0.00128
603658.27 4130247.67 0.00129 603658.27 4130297.67 0.00121
603658.27 4130347.67 0.00105 603658.27 4130397.67 0.00087
603658.27 4130447.67 0.00071 603658.27 4130497.67 0.00061
603658.27 4130547.67 0.00054 603658.27 4130597.67 0.00048
602640.57 4130170.66 0.00026 602640.57 4130220.66 0.00029
602640.57 4130270.66 0.00033 602640.57 4130320.66 0.00037

*** MODELOPTs: RegDFAULT CONC ELEV FLGPOL URBAN ADJ_U*

*** THE ANNUAL AVERAGE CONCENTRATION VALUES AVERAGED OVER 1 YEARS FOR SOURCE GROUP: ALL ***
INCLUDING SOURCE(S): VOL1 , VOL2 , VOL3 , VOL4 , VOL5 ,
VOL6 , VOL7 , VOL8 , VOL9 , VOL10 , VOL11 , VOL12 , VOL13 ,
VOL14 , VOL15 , VOL16 , VOL17 , VOL18 , VOL19 ,

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

** CONC OF PM_10 IN MICROGRAMS/M**3 **

X-COORD (M)	Y-COORD (M)	CONC	X-COORD (M)	Y-COORD (M)	CONC
602640.57	4130370.66	0.00042	602640.57	4130420.66	0.00047
602640.57	4130470.66	0.00054	602640.57	4130520.66	0.00063
602640.57	4130570.66	0.00076	602640.57	4130620.66	0.00091
602640.57	4130670.66	0.00103	602640.57	4130720.66	0.00109
602640.57	4130770.66	0.00109	602640.57	4130820.66	0.00103
602640.57	4130870.66	0.00094	602640.57	4130920.66	0.00084
602690.57	4130220.66	0.00033	602690.57	4130270.66	0.00037
602690.57	4130320.66	0.00042	602690.57	4130370.66	0.00049
602690.57	4130420.66	0.00056	602690.57	4130470.66	0.00065
602690.57	4130520.66	0.00078	602690.57	4130570.66	0.00095
602690.57	4130620.66	0.00114	602690.57	4130670.66	0.00127
602690.57	4130720.66	0.00131	602690.57		

4130770.66 0.00125
602690.57 4130820.66 0.00114 602690.57
4130870.66 0.00101
602690.57 4130920.66 0.00088 602740.57
4130220.66 0.00037
602740.57 4130270.66 0.00043 602740.57
4130320.66 0.00050
602740.57 4130370.66 0.00058 602740.57
4130420.66 0.00067
602740.57 4130470.66 0.00080 602740.57
4130520.66 0.00099
602740.57 4130570.66 0.00123 602740.57
4130620.66 0.00146
602740.57 4130670.66 0.00158 602740.57
4130720.66 0.00155
602740.57 4130770.66 0.00143 602740.57
4130820.66 0.00125
602740.57 4130870.66 0.00107 602790.57
4130270.66 0.00050
602790.57 4130320.66 0.00059 602790.57
4130370.66 0.00070
602790.57 4130420.66 0.00083 602790.57
4130470.66 0.00102
602790.57 4130520.66 0.00129 602790.57
4130570.66 0.00164
602790.57 4130620.66 0.00191 602790.57
4130670.66 0.00197
602790.57 4130720.66 0.00183 602790.57
4130770.66 0.00159
602790.57 4130820.66 0.00134 602840.57
4130320.66 0.00071
602840.57 4130370.66 0.00086 602840.57
4130420.66 0.00106
602840.57 4130470.66 0.00134 602840.57
4130520.66 0.00178
602840.57 4130570.66 0.00228 602840.57
4130620.66 0.00254
602840.57 4130670.66 0.00244 602840.57
4130720.66 0.00211
602840.57 4130770.66 0.00173 602890.57
4130370.66 0.00109
602890.57 4130420.66 0.00140 602890.57
4130470.66 0.00186
602890.57 4130520.66 0.00260 602890.57
4130570.66 0.00330
602890.57 4130620.66 0.00339 602890.57
4130670.66 0.00294
602940.57 4130520.66 0.00413 602940.57
4130570.66 0.00494
602940.57 4130620.66 0.00442 602754.62

4130958.49   0.00081
         602804.62   4130858.49   0.00118   602804.62
4130908.49   0.00097
         602804.62   4130958.49   0.00081   602854.62
4130808.49   0.00149
         602854.62   4130858.49   0.00120   602854.62
4130908.49   0.00097

 *** MODELOPTs: RegDFAULT CONC ELEV FLGPOL URBAN ADJ_U*

                   *** THE ANNUAL AVERAGE CONCENTRATION   VALUES AVERAGED OVER   1 YEARS FOR SOURCE GROUP: ALL   ***
                                    INCLUDING SOURCE(S):   VOL1   , VOL2
 , VOL3   , VOL4   , VOL5   ,
                   VOL6   , VOL7   , VOL8   , VOL9   , VOL10
 , VOL11   , VOL12   , VOL13   ,
                   VOL14   , VOL15   , VOL16   , VOL17   , VOL18
 , VOL19   ,

                                              *** DISCRETE CARTESIAN RECEPTOR POINTS ***

                                    ** CONC OF PM_10   IN MICROGRAMS/M**3
                    **

       X-COORD (M)   Y-COORD (M)   CONC   X-COORD (M)
Y-COORD (M)   CONC
 - - -

```
         603004.62    4130858.49        0.00109                    603004.62
4130908.49        0.00087
         603004.62    4130958.49        0.00071                    603054.62
4130658.49        0.00391
         603054.62    4130708.49        0.00253                    603054.62
4130758.49        0.00178
         603054.62    4130808.49        0.00132                    603054.62
4130858.49        0.00103
         603054.62    4130908.49        0.00082                    603054.62
4130958.49        0.00067
         603104.62    4130708.49        0.00228                    603104.62
4130758.49        0.00162
         603104.62    4130808.49        0.00122                    603104.62
4130858.49        0.00095
         603104.62    4130908.49        0.00077                    603104.62
4130958.49        0.00064
         603154.62    4130708.49        0.00196                    603154.62
4130758.49        0.00143
         603154.62    4130808.49        0.00109                    603154.62
4130858.49        0.00087
         603154.62    4130908.49        0.00071                    603154.62
4130958.49        0.00059
         603204.62    4130708.49        0.00159                    603204.62
4130758.49        0.00121
         603204.62    4130808.49        0.00095                    603204.62
4130858.49        0.00077
         603204.62    4130908.49        0.00064                    603204.62
4130958.49        0.00054
         603254.62    4130658.49        0.00174                    603254.62
4130708.49        0.00130
         603254.62    4130758.49        0.00101                    603254.62
4130808.49        0.00081
         603254.62    4130858.49        0.00067                    603254.62
4130908.49        0.00057
         603254.62    4130958.49        0.00048                    603304.62
4130758.49        0.00087
         603304.62    4130908.49        0.00050                    603304.62
4130958.49        0.00043
         603354.62    4130908.49        0.00045                    603354.62
4130958.49        0.00039
         603005.81    4130339.02        0.00176                    603005.81
4130359.02        0.00203
         603025.81    4130359.02        0.00234                    603025.81
4130379.02        0.00278
         603045.81    4130359.02        0.00271                    603045.81
4130379.02        0.00329
         603065.81    4130359.02        0.00314                    603065.81
4130379.02        0.00393
         603085.81    4130359.02        0.00363                    603105.81
4130339.02        0.00321
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         603105.81    4130359.02        0.00415                      603105.81
4130379.02        0.00558
         603125.81    4130339.02        0.00361                      603125.81
4130359.02        0.00476
         603125.81    4130379.02        0.00661                      603145.81
4130359.02        0.00570
         603145.81    4130379.02        0.00824                      603035.25
4130307.16        0.00164
         603035.25    4130327.16        0.00192                      603055.25
4130307.16        0.00181
         603055.25    4130327.16        0.00215                      603075.25
4130287.16        0.00168
         603075.25    4130307.16        0.00199                      603075.25
4130327.16        0.00240
 *** AERMOD - VERSION 23132  ***   *** C:\Lakes\AERMOD View\36_tully rd\36_tully
rd.isc                     ***        07/21/24
 *** AERMET - VERSION  18081 ***   ***
                         ***       17:49:35

                                   PAGE  17
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  FLGPOL  URBAN  ADJ_U*

                   *** THE ANNUAL AVERAGE CONCENTRATION    VALUES AVERAGED OVER   1
YEARS FOR SOURCE GROUP: ALL      ***
                                    INCLUDING SOURCE(S):     VOL1        , VOL2
 , VOL3        , VOL4        , VOL5        ,
                   VOL6        , VOL7        , VOL8        , VOL9        , VOL10
 , VOL11       , VOL12       , VOL13       ,
                   VOL14       , VOL15       , VOL16       , VOL17       , VOL18
 , VOL19       ,

                                              *** DISCRETE CARTESIAN RECEPTOR POINTS
***

                                    ** CONC OF PM_10    IN MICROGRAMS/M**3
                    **

       X-COORD (M)   Y-COORD (M)        CONC                         X-COORD (M)
Y-COORD (M)        CONC
 - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
- - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
         603095.25    4130287.16        0.00181                      603095.25
4130307.16        0.00217
         603115.25    4130287.16        0.00195                      603135.25
4130287.16        0.00214
         603135.25    4130307.16        0.00262                      603155.25
4130287.16        0.00240
         603155.25    4130307.16        0.00299                      603155.25
4130327.16        0.00386
         603175.25    4130287.16        0.00275                      603175.25
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4130307.16 0.00350
603175.25 4130327.16 0.00462 603175.25
4130347.16 0.00638
602962.66 4130491.49 0.00415 602962.66
4130511.49 0.00492
602962.66 4130531.49 0.00557 602962.66
4130551.49 0.00593
602982.66 4130511.49 0.00626 602982.66
4130531.49 0.00699
602982.66 4130551.49 0.00723 602982.66
4130571.49 0.00696
603002.66 4130531.49 0.00889 603002.66
4130551.49 0.00881
603235.59 4130440.48 0.02041 603235.59
4130460.48 0.01556
603255.59 4130320.48 0.00651 603255.59
4130340.48 0.00842
603255.59 4130420.48 0.01628 603255.59
4130440.48 0.01439
603255.59 4130460.48 0.01107 603255.59
4130480.48 0.00813
603275.59 4130320.48 0.00653 603275.59
4130340.48 0.00814
603275.59 4130360.48 0.00995 603275.59
4130380.48 0.01165
603275.59 4130400.48 0.01263 603275.59
4130420.48 0.01227
603275.59 4130440.48 0.01055 603275.59
4130460.48 0.00824
603275.59 4130480.48 0.00630 603275.59
4130500.48 0.00502
603295.59 4130340.48 0.00760 603295.59
4130360.48 0.00887
603295.59 4130380.48 0.00983 603295.59
4130400.48 0.01010
603295.59 4130420.48 0.00944 603295.59
4130440.48 0.00801
603295.59 4130460.48 0.00637 603295.59
4130480.48 0.00503
603295.59 4130500.48 0.00412 603295.59
4130520.48 0.00350
603315.59 4130360.48 0.00775 603315.59
4130380.48 0.00822
603315.59 4130400.48 0.00813 603315.59
4130420.48 0.00742
603315.59 4130440.48 0.00628 603315.59
4130460.48 0.00508
603315.59 4130480.48 0.00412 603315.59
4130500.48 0.00344
603315.59 4130520.48 0.00297 603335.59

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4130380.48        0.00689
         603335.59    4130420.48        0.00595                      603335.59
4130440.48        0.00505
         603335.59    4130460.48        0.00415                      603335.59
4130480.48        0.00343
         603355.59    4130440.48        0.00414                      603355.59
4130460.48        0.00346
         603025.04    4130593.30        0.00764                      603025.04
4130613.30        0.00625
         603045.04    4130613.30        0.00635                      603045.04
4130633.30        0.00510
         603065.04    4130613.30        0.00627                      603065.04
4130633.30        0.00498
         603085.04    4130633.30        0.00477                      603085.04
4130653.30        0.00386
         603105.04    4130653.30        0.00365                      603125.04
4130653.30        0.00341
         603145.04    4130633.30        0.00380                      603145.04
4130653.30        0.00314
         603165.04    4130613.30        0.00417                      603165.04
4130633.30        0.00341
 *** AERMOD - VERSION 23132  ***   *** C:\Lakes\AERMOD View\36_tully rd\36_tully
rd.isc                     ***       07/21/24
 *** AERMET - VERSION  18081 ***   ***
                          ***       17:49:35

                                    PAGE  18
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  FLGPOL  URBAN  ADJ_U*

                   *** THE ANNUAL AVERAGE CONCENTRATION    VALUES AVERAGED OVER   1
YEARS FOR SOURCE GROUP: ALL      ***
                                    INCLUDING SOURCE(S):     VOL1        , VOL2
 , VOL3        , VOL4        , VOL5        ,
                   VOL6        , VOL7        , VOL8        , VOL9        , VOL10
 , VOL11       , VOL12       , VOL13       ,
                   VOL14       , VOL15       , VOL16       , VOL17       , VOL18
 , VOL19       ,

                                              *** DISCRETE CARTESIAN RECEPTOR POINTS
***

                                    ** CONC OF PM_10    IN MICROGRAMS/M**3
                    **

       X-COORD (M)   Y-COORD (M)        CONC                       X-COORD (M)
Y-COORD (M)        CONC
 - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
- - - - - - - - - - - - - - - - - - - - - - - - - -
         603165.04    4130653.30        0.00285                      603185.04
4130593.30        0.00446
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         603185.04    4130613.30        0.00364                    603185.04
4130633.30        0.00303
         603185.04    4130653.30        0.00256                    603205.04
4130593.30        0.00383
         603205.04    4130613.30        0.00317                    603205.04
4130633.30        0.00268
         603205.04    4130653.30        0.00230                    603225.04
4130613.30        0.00280
         603225.04    4130633.30        0.00239                    603245.04
4130633.30        0.00216
         602922.39    4130406.41        0.00158                    602922.39
4130426.41        0.00177
         602942.39    4130386.41        0.00160                    602942.39
4130406.41        0.00180
         602942.39    4130426.41        0.00205                    602942.39
4130446.41        0.00234
         602962.39    4130386.41        0.00183                    602962.39
4130406.41        0.00208
         602962.39    4130426.41        0.00239                    602962.39
4130446.41        0.00278
         602962.39    4130466.41        0.00329                    602982.39
4130406.41        0.00243
         602982.39    4130426.41        0.00284                    602982.39
4130446.41        0.00336
         602982.39    4130466.41        0.00406                    602982.39
4130486.41        0.00498
         603002.39    4130426.41        0.00343                    603002.39
4130446.41        0.00415
         603002.39    4130466.41        0.00515                    603002.39
4130486.41        0.00647
         603002.39    4130506.41        0.00783                    603022.39
4130446.41        0.00526
         603022.39    4130466.41        0.00676                    603022.39
4130486.41        0.00874
         603022.39    4130506.41        0.01056                    603042.39
4130466.41        0.00931
         603042.39    4130486.41        0.01239                    603042.39
4130506.41        0.01466
         603062.39    4130466.41        0.01365                    603073.49
4130393.01        0.00505
         603073.49    4130413.01        0.00669                    603093.49
4130393.01        0.00622
         603093.49    4130413.01        0.00876                    603093.49
4130433.01        0.01298
         603113.49    4130393.01        0.00762                    603113.49
4130413.01        0.01149
         603084.25    4130509.77        0.02907                    603084.25
4130529.77        0.02227
         603104.25    4130509.77        0.03636                    603104.25
4130529.77        0.02398
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         603104.25    4130549.77        0.01565                      603124.25
4130529.77        0.02242
         603170.74    4130474.71        0.04616                      603170.74
4130494.71        0.02616
         603190.74    4130474.71        0.02956                      603190.74
4130494.71        0.01790
         603190.74    4130514.71        0.01229                      603210.74
4130494.71        0.01265
         603210.74    4130514.71        0.00926                      603210.74
4130534.71        0.00708
         603230.74    4130494.71        0.00930                      603230.74
4130514.71        0.00715
         603230.74    4130534.71        0.00571                      603230.74
4130554.71        0.00463
         603250.74    4130514.71        0.00568                      603250.74
4130534.71        0.00468
         603250.74    4130554.71        0.00391                      603270.74
4130534.71        0.00389
         603270.74    4130554.71        0.00333                      603290.74
4130534.71        0.00328
         603348.17    4130591.19        0.00162                      603348.17
4130641.19        0.00128
         603398.17    4130541.19        0.00155                      603398.17
4130591.19        0.00126
         603398.17    4130641.19        0.00104                      603448.17
4130541.19        0.00120
         603448.17    4130591.19        0.00101                      603448.17
4130641.19        0.00085
 *** AERMOD - VERSION 23132  ***   *** C:\Lakes\AERMOD View\36_tully rd\36_tully
rd.isc                     ***       07/21/24
 *** AERMET - VERSION  18081 ***   ***
                         ***       17:49:35

                                   PAGE  19
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  FLGPOL  URBAN  ADJ_U*

                   *** THE ANNUAL AVERAGE CONCENTRATION    VALUES AVERAGED OVER   1
YEARS FOR SOURCE GROUP: ALL      ***
                                    INCLUDING SOURCE(S):     VOL1        , VOL2
 , VOL3        , VOL4        , VOL5        ,
                   VOL6        , VOL7        , VOL8        , VOL9        , VOL10
 , VOL11       , VOL12       , VOL13       ,
                   VOL14       , VOL15       , VOL16       , VOL17       , VOL18
 , VOL19       ,

                                              *** DISCRETE CARTESIAN RECEPTOR POINTS
***

                                           ** CONC OF PM_10    IN MICROGRAMS/M**3
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       X-COORD (M)   Y-COORD (M)        CONC                      X-COORD (M)
Y-COORD (M)        CONC
 - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
         603498.17    4130591.19        0.00083                     603498.17
4130641.19        0.00071
         603548.17    4130641.19        0.00061                     603206.05
4130384.23        0.01711
         603206.05    4130404.23        0.02544                     603206.05
4130424.23        0.03402
         603206.05    4130444.23        0.03554                     603226.05
4130384.23        0.01670
         603226.05    4130404.23        0.02204                     603226.05
4130424.23        0.02546
         603246.05    4130384.23        0.01503                     603246.05
4130404.23        0.01789
         603096.01    4130606.06        0.00643                     603096.01
4130626.06        0.00502
         603116.01    4130606.06        0.00597                     603116.01
4130626.06        0.00469
         603116.01    4130646.06        0.00379                     603136.01
4130606.06        0.00541
         603136.01    4130626.06        0.00429                     603094.75
4130604.93        0.00654
         603094.75    4130624.93        0.00509                     603114.75
4130604.93        0.00610
         603114.75    4130624.93        0.00476                     603114.75
4130644.93        0.00384
         603134.75    4130584.93        0.00727                     603134.75
4130604.93        0.00555
         603154.75    4130584.93        0.00631                     602703.60
4130052.56        0.00023
↟ *** AERMOD - VERSION 23132  ***   *** C:\Lakes\AERMOD View\36_tully rd\36_tully
rd.isc                      ***        07/21/24
 *** AERMET - VERSION  18081 ***   ***
                        ***        17:49:35

                                   PAGE  20
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  FLGPOL  URBAN  ADJ_U*

                               *** THE   1ST HIGHEST  1-HR AVERAGE CONCENTRATION
VALUES FOR SOURCE GROUP:  ALL      ***
                                  INCLUDING SOURCE(S):     VOL1        , VOL2
 , VOL3        , VOL4        , VOL5        ,
                 VOL6        , VOL7        , VOL8        , VOL9        , VOL10
 , VOL11       , VOL12       , VOL13       ,
                 VOL14       , VOL15       , VOL16       , VOL17       , VOL18
 , VOL19       ,
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*** DISCRETE CARTESIAN RECEPTOR POINTS ***

** CONC OF PM_10 IN MICROGRAMS/M**3 **

X-COORD (M)	Y-COORD (M)	CONC	(YYMMDDHH)	X-COORD (M)	Y-COORD (M)	CONC	(YYMMDDHH)
602766.91	4130103.30	0.00893	(17112019)	602766.91	4130153.30	0.01037	(17112019)
602816.91	4130053.30	0.00795	(17080305)	602816.91	4130103.30	0.00941	(17032823)
602816.91	4130153.30	0.01103	(17112019)	602816.91	4130203.30	0.01287	(17112019)
602866.91	4130003.30	0.00878	(17010906)	602866.91	4130053.30	0.00950	(17010906)
602866.91	4130103.30	0.00996	(17080305)	602866.91	4130153.30	0.01164	(17032823)
602866.91	4130203.30	0.01412	(17112019)	602866.91	4130253.30	0.01648	(17112019)
602916.91	4129953.30	0.00859	(17121923)	602916.91	4130003.30	0.00918	(17121923)
602916.91	4130053.30	0.01055	(17010906)	602916.91	4130103.30	0.01208	(17010906)
602916.91	4130153.30	0.01296	(17010906)	602916.91	4130203.30	0.01495	(17032823)
602916.91	4130253.30	0.01898	(17112019)	602966.91	4129953.30	0.00903	(17010624)
602966.91	4130003.30	0.01043	(17121923)	602966.91	4130053.30	0.01186	(17121923)
602966.91	4130103.30	0.01313	(17121923)	602966.91	4130153.30	0.01548	(17010906)
602966.91	4130203.30	0.01804	(17010906)	602966.91	4130253.30	0.02022	(17032823)
602966.91	4130303.30	0.02744	(17112019)	603016.91	4129953.30	0.00877	(17010624)
603016.91	4130003.30	0.01041	(17010624)	603016.91	4130053.30	0.01236	(17010624)
603016.91	4130103.30	0.01466	(17121923)	603016.91	4130153.30	0.01780	(17121923)
603016.91	4130203.30	0.02099	(17121923)	603016.91	4130253.30	0.02607	(17010906)
603016.91	4130303.30	0.03081	(17010906)	603066.91	4129953.30	0.00959	(17111122)
603066.91	4130003.30	0.01089	(17111122)	603066.91	4130053.30	0.01246	(17111122)
603066.91	4130103.30	0.01438	(17111122)	603066.91	4130153.30	0.01766	(17010624)

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       603066.91   4130203.30        0.02316  (17010624)               603066.91
 4130253.30        0.03073  (17121923)
       603116.91   4129953.30        0.00977  (17121217)               603116.91
 4130003.30        0.01130  (17121217)
       603116.91   4130053.30        0.01326  (17121217)               603116.91
 4130103.30        0.01588  (17121217)
       603116.91   4130153.30        0.01950  (17121217)               603116.91
 4130203.30        0.02476  (17111122)
       603116.91   4130253.30        0.03305  (17111122)               603166.91
 4129953.30        0.01131  (17111324)
       603166.91   4130003.30        0.01345  (17111324)               603166.91
 4130053.30        0.01627  (17111324)
       603166.91   4130103.30        0.02009  (17111324)               603166.91
 4130153.30        0.02564  (17122518)
       603166.91   4130203.30        0.03381  (17122518)               603216.91
 4129953.30        0.01445  (17122518)
       603216.91   4130003.30        0.01688  (17122518)               603216.91
 4130053.30        0.01983  (17122518)
       603216.91   4130103.30        0.02339  (17122518)               603216.91
 4130153.30        0.02849  (17102917)
       603216.91   4130203.30        0.03523  (17102917)               603216.91
 4130253.30        0.04400  (17121318)
       603266.91   4129953.30        0.01420  (17112021)               603266.91
 4130003.30        0.01608  (17112021)
       603266.91   4130053.30        0.01843  (17122517)               603266.91
 4130103.30        0.02118  (17121318)
       603266.91   4130153.30        0.02661  (17121318)               603266.91
 4130203.30        0.03160  (17121318)
       603316.91   4129953.30        0.01312  (17122120)               603316.91
 4130003.30        0.01557  (17121318)
       603316.91   4130053.30        0.01817  (17121318)               603316.91
 4130103.30        0.02026  (17121318)
       603316.91   4130153.30        0.02459  (17122317)               603366.91
 4129953.30        0.01339  (17121318)
       603366.91   4130003.30        0.01449  (17122317)               603366.91
 4130053.30        0.01707  (17122317)
       603366.91   4130103.30        0.01944  (17112401)               603416.91
 4129953.30        0.01275  (17122317)
       603416.91   4130003.30        0.01396  (17122317)               603466.91
 4129953.30        0.01209  (17112401)
↟ *** AERMOD - VERSION 23132  ***   *** C:\Lakes\AERMOD View\36_tully rd\36_tully
rd.isc                     ***        07/21/24
 *** AERMET - VERSION  18081 ***   ***
                       ***        17:49:35

                                  PAGE  21
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  FLGPOL  URBAN  ADJ_U*

                               *** THE   1ST HIGHEST  1-HR AVERAGE CONCENTRATION
VALUES FOR SOURCE GROUP:  ALL      ***
```

INCLUDING SOURCE(S): VOL1 , VOL2
, VOL3 , VOL4 , VOL5 ,
VOL6 , VOL7 , VOL8 , VOL9 , VOL10
, VOL11 , VOL12 , VOL13 ,
VOL14 , VOL15 , VOL16 , VOL17 , VOL18
, VOL19 ,

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

** CONC OF PM_10 IN MICROGRAMS/M**3 **

X-COORD (M)	Y-COORD (M)	CONC	(YYMMDDHH)	X-COORD (M)	Y-COORD (M)	CONC	(YYMMDDHH)
603308.27	4130247.67	0.03496	(17112406)	603308.27	4130297.67	0.04104	(17012918)
603358.27	4130197.67	0.02548	(17112406)	603358.27	4130247.67	0.02903	(17012918)
603358.27	4130297.67	0.03441	(17112321)	603358.27	4130347.67	0.04731	(17122416)
603358.27	4130397.67	0.04417	(17121520)	603408.27	4130097.67	0.01778	(17112406)
603408.27	4130147.67	0.01961	(17122319)	603408.27	4130197.67	0.02196	(17012918)
603408.27	4130247.67	0.02578	(17111918)	603408.27	4130297.67	0.03200	(17122416)
603408.27	4130347.67	0.03167	(17120218)	603408.27	4130397.67	0.03432	(17011118)
603408.27	4130447.67	0.03340	(17120118)	603458.27	4130047.67	0.01470	(17112406)
603458.27	4130097.67	0.01593	(17122319)	603458.27	4130147.67	0.01737	(17012918)
603458.27	4130197.67	0.02015	(17111918)	603458.27	4130247.67	0.02183	(17120717)
603458.27	4130297.67	0.02405	(17011720)	603458.27	4130347.67	0.02624	(17121520)
603458.27	4130397.67	0.02734	(17012521)	603458.27	4130447.67	0.02584	(17120118)
603458.27	4130497.67	0.02065	(17121119)	603508.27	4129997.67	0.01231	(17112406)
603508.27	4130047.67	0.01325	(17122319)	603508.27	4130097.67	0.01420	(17012918)
603508.27	4130147.67	0.01625	(17111918)	603508.27	4130197.67	0.01711	(17120717)
603508.27	4130247.67	0.01880	(17122416)	603508.27	4130297.67	0.02063	(17120218)
603508.27	4130347.67	0.02213	(17121520)	603508.27			

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 4130397.67        0.02303  (17120118)
       603508.27   4130447.67        0.02063  (17120118)               603508.27
 4130497.67        0.01688  (17121119)
       603508.27   4130547.67        0.01663  (17112319)               603558.27
 4129997.67        0.01123  (17122319)
       603558.27   4130047.67        0.01190  (17012918)               603558.27
 4130097.67        0.01353  (17012918)
       603558.27   4130147.67        0.01436  (17112321)               603558.27
 4130197.67        0.01542  (17120717)
       603558.27   4130247.67        0.01670  (17011720)               603558.27
 4130297.67        0.01754  (17121418)
       603558.27   4130347.67        0.01894  (17011118)               603558.27
 4130397.67        0.01970  (17120118)
       603558.27   4130447.67        0.01686  (17120118)               603558.27
 4130497.67        0.01414  (17112320)
       603558.27   4130547.67        0.01401  (17112319)               603558.27
 4130597.67        0.01331  (17110719)
       603608.27   4129997.67        0.01016  (17012918)               603608.27
 4130047.67        0.01152  (17012918)
       603608.27   4130097.67        0.01224  (17112321)               603608.27
 4130147.67        0.01300  (17120717)
       603608.27   4130197.67        0.01368  (17011720)               603608.27
 4130247.67        0.01483  (17121319)
       603608.27   4130297.67        0.01577  (17121520)               603608.27
 4130347.67        0.01619  (17011118)
       603608.27   4130397.67        0.01696  (17120118)               603608.27
 4130447.67        0.01407  (17120118)
       603608.27   4130497.67        0.01214  (17112320)               603608.27
 4130547.67        0.01190  (17112319)
       603608.27   4130597.67        0.01139  (17012819)               603658.27
 4129997.67        0.00995  (17012918)
       603658.27   4130047.67        0.01058  (17111918)               603658.27
 4130097.67        0.01097  (17120717)
       603658.27   4130147.67        0.01143  (17120717)               603658.27
 4130197.67        0.01249  (17011720)
       603658.27   4130247.67        0.01303  (17121418)               603658.27
 4130297.67        0.01392  (17121520)
       603658.27   4130347.67        0.01407  (17012521)               603658.27
 4130397.67        0.01469  (17120118)
       603658.27   4130447.67        0.01193  (17120118)               603658.27
 4130497.67        0.01057  (17112320)
       603658.27   4130547.67        0.01019  (17112319)               603658.27
 4130597.67        0.01013  (17112219)
       602640.57   4130170.66        0.00820  (17122023)               602640.57
 4130220.66        0.00805  (17122023)
       602640.57   4130270.66        0.00899  (17111124)               602640.57
 4130320.66        0.00966  (17111124)
 *** AERMOD - VERSION 23132  ***   *** C:\Lakes\AERMOD View\36_tully rd\36_tully
rd.isc                     ***        07/21/24
 *** AERMET - VERSION  18081 ***   ***
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*** MODELOPTs: RegDFAULT CONC ELEV FLGPOL URBAN ADJ_U*

*** THE 1ST HIGHEST 1-HR AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: ALL ***
INCLUDING SOURCE(S): VOL1 , VOL2 , VOL3 , VOL4 , VOL5 , VOL6 , VOL7 , VOL8 , VOL9 , VOL10 , VOL11 , VOL12 , VOL13 , VOL14 , VOL15 , VOL16 , VOL17 , VOL18 , VOL19 ,

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

** CONC OF PM_10 IN MICROGRAMS/M**3 **

X-COORD (M)	Y-COORD (M)	CONC	(YYMMDDHH)	X-COORD (M)	Y-COORD (M)	CONC	(YYMMDDHH)
602640.57	4130370.66	0.00987	(17121102)	602640.57	4130420.66	0.00996	(17110601)
602640.57	4130470.66	0.01028	(17111107)	602640.57	4130520.66	0.01031	(17111623)
602640.57	4130570.66	0.01125	(17011601)	602640.57	4130620.66	0.01351	(17011601)
602640.57	4130670.66	0.01317	(17122402)	602640.57	4130720.66	0.01265	(17110924)
602640.57	4130770.66	0.01184	(17120724)	602640.57	4130820.66	0.01133	(17112602)
602640.57	4130870.66	0.01040	(17110702)	602640.57	4130920.66	0.00987	(17112002)
602690.57	4130220.66	0.00959	(17122023)	602690.57	4130270.66	0.00962	(17111124)
602690.57	4130320.66	0.01115	(17111124)	602690.57	4130370.66	0.01141	(17121102)
602690.57	4130420.66	0.01150	(17010205)	602690.57	4130470.66	0.01190	(17111107)
602690.57	4130520.66	0.01194	(17111623)	602690.57	4130570.66	0.01403	(17011601)
602690.57	4130620.66	0.01563	(17011601)	602690.57	4130670.66	0.01494	(17110924)
602690.57	4130720.66	0.01411	(17121424)	602690.57	4130770.66	0.01316	(17112602)
602690.57	4130820.66	0.01217	(17112602)	602690.57	4130870.66	0.01146	(17112002)

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       602690.57   4130920.66        0.01048  (17112603)               602740.57
4130220.66        0.01103  (17122023)
       602740.57   4130270.66        0.01108  (17122023)               602740.57
4130320.66        0.01275  (17111124)
       602740.57   4130370.66        0.01335  (17111805)               602740.57
4130420.66        0.01351  (17010205)
       602740.57   4130470.66        0.01402  (17111107)               602740.57
4130520.66        0.01400  (17111623)
       602740.57   4130570.66        0.01755  (17011601)               602740.57
4130620.66        0.01805  (17120822)
       602740.57   4130670.66        0.01713  (17110924)               602740.57
4130720.66        0.01584  (17120107)
       602740.57   4130770.66        0.01479  (17112602)               602740.57
4130820.66        0.01356  (17112302)
       602740.57   4130870.66        0.01232  (17112603)               602790.57
4130270.66        0.01362  (17122023)
       602790.57   4130320.66        0.01431  (17111124)               602790.57
4130370.66        0.01582  (17111805)
       602790.57   4130420.66        0.01624  (17112723)               602790.57
4130470.66        0.01686  (17111107)
       602790.57   4130520.66        0.01665  (17111623)               602790.57
4130570.66        0.02191  (17011601)
       602790.57   4130620.66        0.02101  (17110924)               602790.57
4130670.66        0.01955  (17121424)
       602790.57   4130720.66        0.01827  (17112602)               602790.57
4130770.66        0.01640  (17112302)
       602790.57   4130820.66        0.01478  (17112603)               602840.57
4130320.66        0.01666  (17122023)
       602840.57   4130370.66        0.01957  (17111124)               602840.57
4130420.66        0.02000  (17112723)
       602840.57   4130470.66        0.02086  (17111107)               602840.57
4130520.66        0.02231  (17011601)
       602840.57   4130570.66        0.02705  (17121724)               602840.57
4130620.66        0.02523  (17110924)
       602840.57   4130670.66        0.02291  (17112602)               602840.57
4130720.66        0.02039  (17112302)
       602840.57   4130770.66        0.01821  (17112603)               602890.57
4130370.66        0.02402  (17111124)
       602890.57   4130420.66        0.02575  (17121102)               602890.57
4130470.66        0.02678  (17111107)
       602890.57   4130520.66        0.03162  (17121122)               602890.57
4130570.66        0.03346  (17122402)
       602890.57   4130620.66        0.03020  (17120724)               602890.57
4130670.66        0.02658  (17110702)
       602940.57   4130520.66        0.04579  (17121122)               602940.57
4130570.66        0.04296  (17110924)
       602940.57   4130620.66        0.03728  (17112602)               602754.62
4130958.49        0.01077  (17110722)
       602804.62   4130858.49        0.01425  (17110722)               602804.62
4130908.49        0.01246  (17110722)
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*** MODELOPTs: RegDFAULT CONC ELEV FLGPOL URBAN ADJ_U*

*** THE 1ST HIGHEST 1-HR AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: ALL ***
INCLUDING SOURCE(S): VOL1 , VOL2 , VOL3 , VOL4 , VOL5 ,
VOL6 , VOL7 , VOL8 , VOL9 , VOL10 , VOL11 , VOL12 , VOL13 ,
VOL14 , VOL15 , VOL16 , VOL17 , VOL18 , VOL19 ,

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

** CONC OF PM_10 IN MICROGRAMS/M**3 **

X-COORD (M)	Y-COORD (M)	CONC	(YYMMDDHH)	X-COORD (M)	Y-COORD (M)	CONC	(YYMMDDHH)
602854.62	4130958.49	0.01222	(17122822)	602904.62	4130758.49	0.02195	(17110722)
602904.62	4130808.49	0.01903	(17112004)	602904.62	4130858.49	0.01641	(17122822)
602904.62	4130908.49	0.01462	(17120224)	602904.62	4130958.49	0.01316	(17120520)
602954.62	4130708.49	0.02856	(17110722)	602954.62	4130758.49	0.02421	(17112004)
602954.62	4130808.49	0.02061	(17120820)	602954.62	4130858.49	0.01800	(17120520)
602954.62	4130908.49	0.01558	(17121019)	602954.62	4130958.49	0.01373	(17111221)
603004.62	4130658.49	0.04058	(17112004)	603004.62	4130708.49	0.03256	(17120820)
603004.62	4130758.49	0.02689	(17120520)	603004.62	4130808.49	0.02240	(17121019)
603004.62	4130858.49	0.01923	(17111221)	603004.62	4130908.49	0.01634	(17111221)
603004.62	4130958.49	0.01432	(17111224)	603054.62			

```
4130658.49        0.04728  (17111921)
       603054.62   4130708.49        0.03662  (17111221)                603054.62
4130758.49        0.02891  (17111224)
       603054.62   4130808.49        0.02351  (17110501)                603054.62
4130858.49        0.01988  (17120719)
       603054.62   4130908.49        0.01693  (17120719)                603054.62
4130958.49        0.01447  (17120719)
       603104.62   4130708.49        0.03835  (17112501)                603104.62
4130758.49        0.03037  (17112501)
       603104.62   4130808.49        0.02467  (17112501)                603104.62
4130858.49        0.02048  (17112501)
       603104.62   4130908.49        0.01749  (17121921)                603104.62
4130958.49        0.01520  (17121921)
       603154.62   4130708.49        0.04322  (17101908)                603154.62
4130758.49        0.03048  (17111421)
       603154.62   4130808.49        0.02473  (17111421)                603154.62
4130858.49        0.02060  (17111421)
       603154.62   4130908.49        0.01752  (17111421)                603154.62
4130958.49        0.01515  (17111421)
       603204.62   4130708.49        0.03798  (17111018)                603204.62
4130758.49        0.02976  (17111018)
       603204.62   4130808.49        0.02440  (17110720)                603204.62
4130858.49        0.02038  (17110720)
       603204.62   4130908.49        0.01719  (17110720)                603204.62
4130958.49        0.01476  (17010418)
       603254.62   4130658.49        0.03330  (17110423)                603254.62
4130708.49        0.02561  (17120819)
       603254.62   4130758.49        0.02382  (17090802)                603254.62
4130808.49        0.02165  (17111018)
       603254.62   4130858.49        0.01927  (17111018)                603254.62
4130908.49        0.01685  (17111018)
       603254.62   4130958.49        0.01463  (17111018)                603304.62
4130758.49        0.01899  (17110423)
       603304.62   4130908.49        0.01383  (17090802)                603304.62
4130958.49        0.01293  (17111018)
       603354.62   4130908.49        0.01100  (17120819)                603354.62
4130958.49        0.00991  (17121819)
       603005.81   4130339.02        0.03868  (17112019)                603005.81
4130359.02        0.04338  (17112019)
       603025.81   4130359.02        0.04858  (17112019)                603025.81
4130379.02        0.05520  (17112420)
       603045.81   4130359.02        0.05134  (17032823)                603045.81
4130379.02        0.06343  (17112019)
       603065.81   4130359.02        0.05971  (17010906)                603065.81
4130379.02        0.06824  (17032823)
       603085.81   4130359.02        0.06825  (17121923)                603105.81
4130339.02        0.06212  (17010624)
       603105.81   4130359.02        0.07688  (17121923)                603105.81
4130379.02        0.09748  (17121923)
       603125.81   4130339.02        0.06587  (17111122)                603125.81
```

*** MODELOPTs: RegDFAULT CONC ELEV FLGPOL URBAN ADJ_U*

*** THE 1ST HIGHEST 1-HR AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: ALL ***
INCLUDING SOURCE(S): VOL1 , VOL2 , VOL3 , VOL4 , VOL5 ,
VOL6 , VOL7 , VOL8 , VOL9 , VOL10 , VOL11 , VOL12 , VOL13 ,
VOL14 , VOL15 , VOL16 , VOL17 , VOL18 , VOL19 ,

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

** CONC OF PM_10 IN MICROGRAMS/M**3 **

X-COORD (M)	Y-COORD (M)	CONC	(YYMMDDHH)	X-COORD (M)	Y-COORD (M)	CONC	(YYMMDDHH)
603095.25	4130287.16	0.03905	(17010624)	603095.25	4130307.16	0.04617	(17010624)
603115.25	4130287.16	0.04136	(17111122)	603135.25	4130287.16	0.04312	(17111324)
603135.25	4130307.16	0.05101	(17111324)	603155.25	4130287.16	0.05511	(17122518)
603155.25	4130307.16	0.06976	(17102917)	603155.25	4130327.16	0.09318	(17102917)
603175.25	4130287.16	0.07450	(17102917)	603175.25	4130307.16	0.09124	(17102917)
603175.25	4130327.16	0.11051	(17102917)	603175.25	4130347.16	0.13039	(17102917)

602962.66 4130491.49 0.04353 (17121122) 602962.66 4130511.49 0.05272 (17121122)
602962.66 4130531.49 0.05347 (17110807) 602962.66 4130551.49 0.05136 (17110924)
602982.66 4130511.49 0.06265 (17121122) 602982.66 4130531.49 0.06087 (17122402)
602982.66 4130551.49 0.05743 (17121424) 602982.66 4130571.49 0.05365 (17112602)
603002.66 4130531.49 0.07081 (17110924) 603002.66 4130551.49 0.06542 (17110123)
603235.59 4130440.48 0.12543 (17012917) 603235.59 4130460.48 0.11759 (17120118)
603255.59 4130320.48 0.05800 (17112406) 603255.59 4130340.48 0.06271 (17122319)
603255.59 4130420.48 0.10002 (17122416) 603255.59 4130440.48 0.09693 (17011118)
603255.59 4130460.48 0.09493 (17120118) 603255.59 4130480.48 0.07841 (17121119)
603275.59 4130320.48 0.05159 (17122319) 603275.59 4130340.48 0.05818 (17012918)
603275.59 4130360.48 0.06839 (17122416) 603275.59 4130380.48 0.09971 (17122416)
603275.59 4130400.48 0.09698 (17122416) 603275.59 4130420.48 0.07954 (17121520)
603275.59 4130440.48 0.08235 (17120118) 603275.59 4130460.48 0.07792 (17120118)
603275.59 4130480.48 0.06440 (17121119) 603275.59 4130500.48 0.06255 (17112319)
603295.59 4130340.48 0.05268 (17111918) 603295.59 4130360.48 0.07357 (17122416)
603295.59 4130380.48 0.08378 (17122416) 603295.59 4130400.48 0.06462 (17121418)
603295.59 4130420.48 0.06835 (17011118) 603295.59 4130440.48 0.07078 (17120118)
603295.59 4130460.48 0.06506 (17120118) 603295.59 4130480.48 0.05393 (17121119)
603295.59 4130500.48 0.05312 (17112319) 603295.59 4130520.48 0.05056 (17110719)
603315.59 4130360.48 0.06829 (17122416) 603315.59 4130380.48 0.06335 (17122416)
603315.59 4130400.48 0.05688 (17121520) 603315.59 4130420.48 0.05933 (17011118)
603315.59 4130440.48 0.06132 (17120118) 603315.59 4130460.48 0.05525 (17120118)
603315.59 4130480.48 0.04599 (17121119) 603315.59 4130500.48 0.04554 (17112319)
603315.59 4130520.48 0.04347 (17110719) 603335.59 4130380.48 0.04799 (17120218)
603335.59 4130420.48 0.05139 (17011118) 603335.59 4130440.48 0.05349 (17120118)

```
       603335.59   4130460.48        0.04751  (17120118)               603335.59
 4130480.48        0.03991  (17112320)
       603355.59   4130440.48        0.04700  (17120118)               603355.59
 4130460.48        0.04132  (17120118)
       603025.04   4130593.30        0.06081  (17110722)               603025.04
 4130613.30        0.05497  (17110722)
       603045.04   4130613.30        0.05947  (17112004)               603045.04
 4130633.30        0.05277  (17120820)
       603065.04   4130613.30        0.06453  (17120224)               603065.04
 4130633.30        0.05659  (17111921)
       603085.04   4130633.30        0.05991  (17111221)               603085.04
 4130653.30        0.05198  (17111224)
       603105.04   4130653.30        0.05380  (17120719)               603125.04
 4130653.30        0.05533  (17121921)
       603145.04   4130633.30        0.08083  (17101908)               603145.04
 4130653.30        0.06531  (17101908)
       603165.04   4130613.30        0.10265  (17101908)               603165.04
 4130633.30        0.08477  (17101908)
♠ *** AERMOD - VERSION 23132  ***   *** C:\Lakes\AERMOD View\36_tully rd\36_tully
rd.isc                     ***        07/21/24
 *** AERMET - VERSION  18081 ***   ***
                       ***        17:49:35

                                  PAGE  25
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  FLGPOL  URBAN  ADJ_U*

                               *** THE   1ST HIGHEST  1-HR AVERAGE CONCENTRATION
VALUES FOR SOURCE GROUP:  ALL      ***
                                  INCLUDING SOURCE(S):     VOL1        , VOL2
 , VOL3        , VOL4        , VOL5        ,
                 VOL6        , VOL7        , VOL8        , VOL9        , VOL10
 , VOL11       , VOL12       , VOL13       ,
                 VOL14       , VOL15       , VOL16       , VOL17       , VOL18
 , VOL19       ,

                                        *** DISCRETE CARTESIAN RECEPTOR POINTS
***

                                     ** CONC OF PM_10    IN MICROGRAMS/M**3
                  **

      X-COORD (M)  Y-COORD (M)        CONC     (YYMMDDHH)              X-COORD (M)
Y-COORD (M)        CONC     (YYMMDDHH)
 - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
- - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
       603165.04   4130653.30        0.07059  (17101908)               603185.04
 4130593.30        0.08042  (17111018)
       603185.04   4130613.30        0.07086  (17111018)               603185.04
 4130633.30        0.06190  (17111018)
       603185.04   4130653.30        0.05401  (17111018)               603205.04
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4130593.30        0.06009  (17112722)
       603205.04   4130613.30        0.05577  (17090802)                603205.04
4130633.30        0.05248  (17111018)
       603205.04   4130653.30        0.04878  (17111018)                603225.04
4130613.30        0.04827  (17110423)
       603225.04   4130633.30        0.04171  (17112722)                603245.04
4130633.30        0.03941  (17110423)
       602922.39   4130406.41        0.03039  (17111124)                602922.39
4130426.41        0.03102  (17121102)
       602942.39   4130386.41        0.03234  (17111124)                602942.39
4130406.41        0.03466  (17111124)
       602942.39   4130426.41        0.03532  (17121102)                602942.39
4130446.41        0.03563  (17010205)
       602962.39   4130386.41        0.03521  (17111124)                602962.39
4130406.41        0.03955  (17111124)
       602962.39   4130426.41        0.04050  (17121102)                602962.39
4130446.41        0.04103  (17010205)
       602962.39   4130466.41        0.04228  (17111107)                602982.39
4130406.41        0.04505  (17111124)
       602982.39   4130426.41        0.04720  (17111805)                602982.39
4130446.41        0.04794  (17112723)
       602982.39   4130466.41        0.04954  (17111107)                602982.39
4130486.41        0.04976  (17121122)
       603002.39   4130426.41        0.05616  (17111124)                603002.39
4130446.41        0.05717  (17112723)
       603002.39   4130466.41        0.05916  (17111107)                603002.39
4130486.41        0.06285  (17121122)
       603002.39   4130506.41        0.07410  (17121122)                603022.39
4130446.41        0.06982  (17111801)
       603022.39   4130466.41        0.07230  (17111107)                603022.39
4130486.41        0.08086  (17121122)
       603022.39   4130506.41        0.08926  (17110807)                603042.39
4130466.41        0.09100  (17111107)
       603042.39   4130486.41        0.10579  (17121122)                603042.39
4130506.41        0.10713  (17112901)
       603062.39   4130466.41        0.11859  (17111107)                603073.49
4130393.01        0.08403  (17112019)
       603073.49   4130413.01        0.10612  (17112019)                603093.49
4130393.01        0.10231  (17020716)
       603093.49   4130413.01        0.12521  (17111108)                603093.49
4130433.01        0.16472  (17122415)
       603113.49   4130393.01        0.12087  (17121923)                603113.49
4130413.01        0.15546  (17010906)
       603084.25   4130509.77        0.16075  (17010212)                603084.25
4130529.77        0.13719  (17120619)
       603104.25   4130509.77        0.19339  (17112503)                603104.25
4130529.77        0.15857  (17120820)
       603104.25   4130549.77        0.13065  (17111921)                603124.25
4130529.77        0.17894  (17110523)
       603170.74   4130474.71        0.26188  (17041809)                603170.74
```

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 - - -
```

ALL 1ST HIGHEST VALUE IS 0.04616 AT (603170.74, 4130474.71, 39.01, 39.01, 1.50) DC
2ND HIGHEST VALUE IS 0.03636 AT (603104.25, 4130509.77, 38.71, 38.71, 1.50) DC
3RD HIGHEST VALUE IS 0.03554 AT (603206.05, 4130444.23, 39.32, 39.32, 1.50) DC
4TH HIGHEST VALUE IS 0.03402 AT (603206.05, 4130424.23, 39.32, 39.32, 1.50) DC
5TH HIGHEST VALUE IS 0.02956 AT (603190.74, 4130474.71, 39.02, 39.02, 1.50) DC
6TH HIGHEST VALUE IS 0.02907 AT (603084.25, 4130509.77, 38.71, 38.71, 1.50) DC
7TH HIGHEST VALUE IS 0.02616 AT (603170.74, 4130494.71, 39.00, 39.00, 1.50) DC
8TH HIGHEST VALUE IS 0.02546 AT (603226.05, 4130424.23, 39.32, 39.32, 1.50) DC
9TH HIGHEST VALUE IS 0.02544 AT (603206.05, 4130404.23, 39.32, 39.32, 1.50) DC
10TH HIGHEST VALUE IS 0.02398 AT (603104.25, 4130529.77, 38.71, 38.71, 1.50) DC

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

*** MODELOPTs: RegDFAULT CONC ELEV FLGPOL URBAN ADJ_U*

*** THE SUMMARY OF HIGHEST 1-HR RESULTS ***

** CONC OF PM_10 IN MICROGRAMS/M**3 **

GROUP ID	AVERAGE	NETWORK CONC	DATE (YYMMDDHH)	RECEPTOR (XR, YR, ZELEV, ZHILL, ZFLAG)
	OF TYPE	GRID-ID		

- - - - - - - - - - - - - - - - -

ALL   HIGH   1ST HIGH VALUE IS   0.26188 ON 17041809: AT (603170.74,
4130474.71,   39.01,   39.01,   1.50) DC

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

 *** MODELOPTs: RegDFAULT CONC ELEV FLGPOL URBAN ADJ_U*

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

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

 A Total of   0 Fatal Error Message(s)
 A Total of   3 Warning Message(s)
 A Total of   194 Informational Message(s)

 A Total of   8784 Hours Were Processed

 A Total of   52 Calm Hours Identified

 A Total of   142 Missing Hours Identified (1.62 Percent)

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

    ********   WARNING MESSAGES   ********
 ME W186   100   MEOPEN: THRESH_1MIN 1-min ASOS wind speed threshold used
      0.50
 ME W187   100   MEOPEN: ADJ_U* Option for Stable Low Winds used in AERMET

 MX W481   8785   MAIN: Data Remaining After End of Year. Number of Hours=
        24

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

*HARP - HRACalc v22118 7/21/2024 6:08:22 PM - Cancer Risk - Input File: C:\Users\brishea\OneDrive - Stantec\Desktop\harp results\tully construction hra_HRAInput.hra

INDEX	GRP1	GRP2	POLID	POLABBREV	CONC	RISK_SUM	SCENARIO	DETAILS	INH_RISK
1	MEIR_343 with mitigation		9901	DieselExhPM	0.02041	4.4679e-06	1.25YrCancerDerived_Inh	*	4.4679e-06
2	MEIR_343		9901	DieselExhPM	0.06603	1.4454e-05	1.25YrCancerDerived_Inh	*	1.4454e-05

*HARP - HRACalc v22118 7/21/2024 6:16:12 PM - Cancer Risk - Input File: C:\Users\brishea\OneDrive - Stantec\Desktop\harp results\tully construction hra MEIW_HRAInput.hra

INDEX	GRP1	GRP2	POLID	POLABBREV	CONC	RISK_SUM	SCENARIO	DETAILS	INH_RISK
1	MEIW_43 with mitigation		9901	DieselExhPM	0.04616	1.7886e-07	1.5YrCancerDerived_Inh	*	1.7886e-07
2	MEIW_43		9901	DieselExhPM	0.14937	5.7877e-07	1.5YrCancerDerived_Inh	*	5.7877e-07

Operational AERMOD and HARP output files

```
**
**************************************
**
** AERMOD Input Produced by:
** AERMOD View Ver. 12.0.0
** Lakes Environmental Software Inc.
** Date: 7/26/2024
** File: C:\Lakes\AERMOD View\36_tully rd_delivery trucks\36_tully rd.ADI
**
**************************************
**
**
**************************************
** AERMOD Control Pathway
**************************************
**
**
CO STARTING
   TITLEONE C:\Lakes\AERMOD View\36_tully rd\36_tully rd.isc
   MODELOPT DFAULT CONC
   AVERTIME 1 ANNUAL
   URBANOPT 1010000 San_Jose
   POLLUTID PM_10
   FLAGPOLE 1.50
   RUNORNOT RUN
   ERRORFIL "36_tully rd.err"
CO FINISHED
**
**************************************
** AERMOD Source Pathway
**************************************
**
**
SO STARTING
** Source Location **
** Source ID - Type - X Coord. - Y Coord. **
** ------------------------------------------------------------------
** Line Source Represented by Separated Volume Sources
** LINE VOLUME Source ID = DELIVTRUCKS
** DESCRSRC
** PREFIX
** Length of Side = 31.00
** Configuration = Separated
** Emission Rate = 1.022E-06
** Vertical Dimension = 6.80
** SZINIT = 3.16
** Nodes = 2
** 603093.467, 4130472.229, 38.45, 3.40, 27.46
** 603435.170, 4130756.233, 39.01, 3.40, 27.46
** ------------------------------------------------------------------
```

```
   LOCATION L0000001     VOLUME   603105.387 4130482.137 38.65
   LOCATION L0000002     VOLUME   603150.796 4130519.878 38.79
   LOCATION L0000003     VOLUME   603196.205 4130557.619 39.01
   LOCATION L0000004     VOLUME   603241.614 4130595.361 39.11
   LOCATION L0000005     VOLUME   603287.023 4130633.102 39.20
   LOCATION L0000006     VOLUME   603332.432 4130670.843 39.01
   LOCATION L0000007     VOLUME   603377.841 4130708.585 39.01
   LOCATION L0000008     VOLUME   603423.250 4130746.326 39.01
** End of LINE VOLUME Source ID = DELIVTRUCKS
   LOCATION PAREA1       AREAPOLY   603132.274  4130450.776       38.900
** Source Parameters **
** LINE VOLUME Source ID = DELIVTRUCKS
   SRCPARAM L0000001     0.0000001278      3.40     27.46      3.16
   SRCPARAM L0000002     0.0000001278      3.40     27.46      3.16
   SRCPARAM L0000003     0.0000001278      3.40     27.46      3.16
   SRCPARAM L0000004     0.0000001278      3.40     27.46      3.16
   SRCPARAM L0000005     0.0000001278      3.40     27.46      3.16
   SRCPARAM L0000006     0.0000001278      3.40     27.46      3.16
   SRCPARAM L0000007     0.0000001278      3.40     27.46      3.16
   SRCPARAM L0000008     0.0000001278      3.40     27.46      3.16
** ------------------------------------------------------------------
   SRCPARAM PAREA1       4.3478E-10     4.000         5     3.160
   AREAVERT PAREA1       603132.274 4130450.776 603168.823 4130477.283
   AREAVERT PAREA1       603155.837 4130492.813 603126.785 4130471.393
   AREAVERT PAREA1       603126.384 4130459.478
   URBANSRC ALL
   SRCGROUP ALL
SO FINISHED
**
**************************************
** AERMOD Receptor Pathway
**************************************
**
**
RE STARTING
   INCLUDED "36_tully rd.rou"
RE FINISHED
**
**************************************
** AERMOD Meteorology Pathway
**************************************
**
**
ME STARTING
** Surface File Path: C:\Lakes\AERMOD View\36_tully rd_delivery trucks\San Jose
Intl Airport (KSJC)\
   SURFFILE "San Jose Intl Airport (KSJC)\KSJC_2017.SFC"
** Profile File Path: C:\Lakes\AERMOD View\36_tully rd_delivery trucks\San Jose
Intl Airport (KSJC)\
   PROFFILE "San Jose Intl Airport (KSJC)\KSJC_2017.PFL"
```

```
   SURFDATA 23293 2017 San_Jose_Airport
   UAIRDATA 23230 2017 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 "C:\Lakes\AERMOD View\36_tully rd_delivery trucks\36_tully
rd.AD\01H1GALL.PLT" 31
   PLOTFILE ANNUAL ALL "C:\Lakes\AERMOD View\36_tully rd_delivery trucks\36_tully
rd.AD\AN00GALL.PLT" 32
   SUMMFILE "C:\Lakes\AERMOD View\36_tully rd_delivery trucks\36_tully rd.sum"
OU FINISHED
**
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** Project Parameters
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** PROJCTN  CoordinateSystemUTM
** DESCPTN  UTM: Universal Transverse Mercator
** DATUM    World Geodetic System 1984
** DTMRGN   Global Definition
** UNITS    m
** ZONE     10
** ZONEINX  0
**
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** Lakes Environmental AERMOD MPI
**
**************************************
**
** AERMOD INPUT PRODUCED BY:
** AERMOD VIEW VER. 12.0.0
** LAKES ENVIRONMENTAL SOFTWARE INC.
** DATE: 7/26/2024
** FILE: C:\LAKES\AERMOD VIEW\36_TULLY RD_DELIVERY TRUCKS\36_TULLY RD.ADI
**
**************************************
**
**
**************************************
** AERMOD CONTROL PATHWAY
**************************************
**
**
CO STARTING
   TITLEONE C:\LAKES\AERMOD VIEW\36_TULLY RD\36_TULLY RD.ISC
   MODELOPT DFAULT CONC
   AVERTIME 1 ANNUAL
   URBANOPT 1010000 SAN_JOSE
   POLLUTID PM_10
   FLAGPOLE 1.50
   RUNORNOT RUN
   ERRORFIL "36_TULLY RD.ERR"
CO FINISHED
**
**************************************
** AERMOD SOURCE PATHWAY
**************************************
**
**
SO STARTING
** SOURCE LOCATION **
** SOURCE ID - TYPE - X COORD. - Y COORD. **
** ------------------------------------------------------------------------
** LINE SOURCE REPRESENTED BY SEPARATED VOLUME SOURCES
** LINE VOLUME SOURCE ID = DELIVTRUCKS
** DESCRSRC
** PREFIX
** LENGTH OF SIDE = 31.00
** CONFIGURATION = SEPARATED
** EMISSION RATE = 1.022E-06
** VERTICAL DIMENSION = 6.80
** SZINIT = 3.16
** NODES = 2
** 603093.467, 4130472.229, 38.45, 3.40, 27.46
** 603435.170, 4130756.233, 39.01, 3.40, 27.46
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   LOCATION L0000001     VOLUME   603105.387 4130482.137 38.65
   LOCATION L0000002     VOLUME   603150.796 4130519.878 38.79
   LOCATION L0000003     VOLUME   603196.205 4130557.619 39.01
   LOCATION L0000004     VOLUME   603241.614 4130595.361 39.11
   LOCATION L0000005     VOLUME   603287.023 4130633.102 39.20
   LOCATION L0000006     VOLUME   603332.432 4130670.843 39.01
   LOCATION L0000007     VOLUME   603377.841 4130708.585 39.01
   LOCATION L0000008     VOLUME   603423.250 4130746.326 39.01
** END OF LINE VOLUME SOURCE ID = DELIVTRUCKS
   LOCATION PAREA1       AREAPOLY   603132.274  4130450.776       38.900
** SOURCE PARAMETERS **
** LINE VOLUME SOURCE ID = DELIVTRUCKS
   SRCPARAM L0000001     0.0000001278      3.40     27.46      3.16
   SRCPARAM L0000002     0.0000001278      3.40     27.46      3.16
   SRCPARAM L0000003     0.0000001278      3.40     27.46      3.16
   SRCPARAM L0000004     0.0000001278      3.40     27.46      3.16
   SRCPARAM L0000005     0.0000001278      3.40     27.46      3.16
   SRCPARAM L0000006     0.0000001278      3.40     27.46      3.16
   SRCPARAM L0000007     0.0000001278      3.40     27.46      3.16
   SRCPARAM L0000008     0.0000001278      3.40     27.46      3.16
** ------------------------------------------------------------------
   SRCPARAM PAREA1       4.3478E-10     4.000         5     3.160
   AREAVERT PAREA1       603132.274 4130450.776 603168.823 4130477.283
   AREAVERT PAREA1       603155.837 4130492.813 603126.785 4130471.393
   AREAVERT PAREA1       603126.384 4130459.478
   URBANSRC ALL
   SRCGROUP ALL
SO FINISHED
**
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** AERMOD RECEPTOR PATHWAY
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RE STARTING
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   DISCCART     602766.91   4130153.30      40.30      40.30       1.50
   DISCCART     602816.91   4130053.30      40.88      40.88       1.50
   DISCCART     602816.91   4130103.30      40.67      40.67       1.50
   DISCCART     602816.91   4130153.30      40.44      40.44       1.50
   DISCCART     602816.91   4130203.30      39.96      39.96       1.50
   DISCCART     602866.91   4130003.30      41.15      41.15       1.50
   DISCCART     602866.91   4130053.30      40.88      40.88       1.50
   DISCCART     602866.91   4130103.30      40.57      40.57       1.50
   DISCCART     602866.91   4130153.30      40.23      40.23       1.50
   DISCCART     602866.91   4130203.30      39.96      39.96       1.50
   DISCCART     602866.91   4130253.30      39.76      39.76       1.50
   DISCCART     602916.91   4129953.30      41.28      41.28       1.50
   DISCCART     602916.91   4130003.30      41.08      41.08       1.50
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DISCCART	602916.91	4130103.30	40.54	40.54	1.50
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DISCCART	602966.91	4130203.30	39.93	39.93	1.50
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DISCCART	603116.91	4130253.30	39.62	39.62	1.50
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DISCCART	603316.91	4129953.30	41.15	41.15	1.50
DISCCART	603316.91	4130003.30	40.84	40.84	1.50
DISCCART	603316.91	4130053.30	40.57	40.57	1.50
DISCCART	603316.91	4130103.30	40.54	40.54	1.50
DISCCART	603316.91	4130153.30	40.47	40.47	1.50
DISCCART	603366.91	4129953.30	40.98	40.98	1.50
DISCCART	603366.91	4130003.30	40.84	40.84	1.50
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DISCCART	603308.27	4130297.67	39.93	39.93	1.50
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DISCCART	603508.27	4130147.67	40.54	40.54	1.50
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DISCCART	603508.27	4130397.67	40.23	40.23	1.50

DISCCART	603508.27	4130447.67	39.98	39.98	1.50
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DISCCART	603608.27	4130097.67	40.94	40.94	1.50
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DISCCART	602690.57	4130870.66	37.19	37.19	1.50
DISCCART	602690.57	4130920.66	36.94	36.94	1.50
DISCCART	602740.57	4130220.66	39.93	39.93	1.50
DISCCART	602740.57	4130270.66	39.62	39.62	1.50
DISCCART	602740.57	4130320.66	39.52	39.52	1.50
DISCCART	602740.57	4130370.66	39.17	39.17	1.50
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DISCCART	602740.57	4130470.66	38.71	38.71	1.50
DISCCART	602740.57	4130520.66	38.40	38.40	1.50
DISCCART	602740.57	4130570.66	38.10	38.10	1.50
DISCCART	602740.57	4130620.66	37.85	37.85	1.50
DISCCART	602740.57	4130670.66	37.80	37.80	1.50
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DISCCART	602740.57	4130820.66	37.49	37.49	1.50
DISCCART	602740.57	4130870.66	37.19	37.19	1.50
DISCCART	602790.57	4130270.66	39.62	39.62	1.50
DISCCART	602790.57	4130320.66	39.62	39.62	1.50
DISCCART	602790.57	4130370.66	39.17	39.17	1.50
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DISCCART	602790.57	4130470.66	38.71	38.71	1.50
DISCCART	602790.57	4130520.66	38.37	38.37	1.50
DISCCART	602790.57	4130570.66	38.10	38.10	1.50
DISCCART	602790.57	4130620.66	37.85	37.85	1.50
DISCCART	602790.57	4130670.66	37.80	37.80	1.50
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DISCCART	602790.57	4130770.66	37.49	37.49	1.50
DISCCART	602790.57	4130820.66	37.49	37.49	1.50
DISCCART	602840.57	4130320.66	39.62	39.62	1.50

DISCCART	602840.57	4130370.66	39.17	39.17	1.50
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DISCCART	602840.57	4130470.66	38.71	38.71	1.50
DISCCART	602840.57	4130520.66	38.26	38.26	1.50
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DISCCART	602840.57	4130720.66	37.75	37.75	1.50
DISCCART	602840.57	4130770.66	37.49	37.49	1.50
DISCCART	602890.57	4130370.66	39.17	39.17	1.50
DISCCART	602890.57	4130420.66	38.97	38.97	1.50
DISCCART	602890.57	4130470.66	38.71	38.71	1.50
DISCCART	602890.57	4130520.66	38.40	38.40	1.50
DISCCART	602890.57	4130570.66	38.10	38.10	1.50
DISCCART	602890.57	4130620.66	38.00	38.00	1.50
DISCCART	602890.57	4130670.66	37.80	37.80	1.50
DISCCART	602940.57	4130520.66	38.40	38.40	1.50
DISCCART	602940.57	4130570.66	38.10	38.10	1.50
DISCCART	602940.57	4130620.66	38.10	38.10	1.50
DISCCART	602754.62	4130958.49	36.88	36.88	1.50
DISCCART	602804.62	4130858.49	37.27	37.27	1.50
DISCCART	602804.62	4130908.49	37.19	37.19	1.50
DISCCART	602804.62	4130958.49	37.08	37.08	1.50
DISCCART	602854.62	4130808.49	37.49	37.49	1.50
DISCCART	602854.62	4130858.49	37.35	37.35	1.50
DISCCART	602854.62	4130908.49	37.19	37.19	1.50
DISCCART	602854.62	4130958.49	37.19	37.19	1.50
DISCCART	602904.62	4130758.49	37.67	37.67	1.50
DISCCART	602904.62	4130808.49	37.49	37.49	1.50
DISCCART	602904.62	4130858.49	37.49	37.49	1.50
DISCCART	602904.62	4130908.49	37.37	37.37	1.50
DISCCART	602904.62	4130958.49	37.19	37.19	1.50
DISCCART	602954.62	4130708.49	37.80	37.80	1.50
DISCCART	602954.62	4130758.49	37.76	37.76	1.50
DISCCART	602954.62	4130808.49	37.49	37.49	1.50
DISCCART	602954.62	4130858.49	37.49	37.49	1.50
DISCCART	602954.62	4130908.49	37.49	37.49	1.50
DISCCART	602954.62	4130958.49	37.39	37.39	1.50
DISCCART	603004.62	4130658.49	38.09	38.09	1.50
DISCCART	603004.62	4130708.49	37.83	37.83	1.50
DISCCART	603004.62	4130758.49	37.80	37.80	1.50
DISCCART	603004.62	4130808.49	37.78	37.78	1.50
DISCCART	603004.62	4130858.49	37.61	37.61	1.50
DISCCART	603004.62	4130908.49	37.49	37.49	1.50
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DISCCART	603054.62	4130658.49	38.11	38.11	1.50
DISCCART	603054.62	4130708.49	38.10	38.10	1.50
DISCCART	603054.62	4130758.49	37.98	37.98	1.50
DISCCART	603054.62	4130808.49	37.81	37.81	1.50
DISCCART	603054.62	4130858.49	37.80	37.80	1.50

DISCCART	603054.62	4130908.49	37.68	37.68	1.50
DISCCART	603054.62	4130958.49	37.49	37.49	1.50
DISCCART	603104.62	4130708.49	38.32	38.32	1.50
DISCCART	603104.62	4130758.49	38.10	38.10	1.50
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DISCCART	603104.62	4130908.49	37.80	37.80	1.50
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DISCCART	603154.62	4130808.49	38.10	38.10	1.50
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DISCCART	603154.62	4130958.49	37.78	37.78	1.50
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DISCCART	603204.62	4130858.49	38.10	38.10	1.50
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DISCCART	603204.62	4130958.49	37.80	37.80	1.50
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DISCCART	603035.25	4130307.16	39.32	39.32	1.50

DISCCART	603035.25	4130327.16	39.31	39.31	1.50
DISCCART	603055.25	4130307.16	39.32	39.32	1.50
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DISCCART	603075.25	4130307.16	39.32	39.32	1.50
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DISCCART	603095.25	4130307.16	39.32	39.32	1.50
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DISCCART	603135.25	4130287.16	39.41	39.41	1.50
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DISCCART	603155.25	4130327.16	39.32	39.32	1.50
DISCCART	603175.25	4130287.16	39.62	39.62	1.50
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DISCCART	602962.66	4130491.49	38.56	38.56	1.50
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DISCCART	602962.66	4130551.49	38.25	38.25	1.50
DISCCART	602982.66	4130511.49	38.57	38.57	1.50
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DISCCART	602982.66	4130571.49	38.26	38.26	1.50
DISCCART	603002.66	4130531.49	38.46	38.46	1.50
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DISCCART	603235.59	4130440.48	39.32	39.32	1.50
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DISCCART	603255.59	4130460.48	39.32	39.32	1.50
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DISCCART	603275.59	4130380.48	39.62	39.62	1.50
DISCCART	603275.59	4130400.48	39.62	39.62	1.50
DISCCART	603275.59	4130420.48	39.60	39.60	1.50
DISCCART	603275.59	4130440.48	39.48	39.48	1.50
DISCCART	603275.59	4130460.48	39.44	39.44	1.50
DISCCART	603275.59	4130480.48	39.44	39.44	1.50
DISCCART	603275.59	4130500.48	39.44	39.44	1.50
DISCCART	603295.59	4130340.48	39.80	39.80	1.50
DISCCART	603295.59	4130360.48	39.65	39.65	1.50
DISCCART	603295.59	4130380.48	39.65	39.65	1.50
DISCCART	603295.59	4130400.48	39.64	39.64	1.50

DISCCART	603295.59	4130420.48	39.62	39.62	1.50
DISCCART	603295.59	4130440.48	39.62	39.62	1.50
DISCCART	603295.59	4130460.48	39.62	39.62	1.50
DISCCART	603295.59	4130480.48	39.62	39.62	1.50
DISCCART	603295.59	4130500.48	39.62	39.62	1.50
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DISCCART	603315.59	4130420.48	39.62	39.62	1.50
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DISCCART	603315.59	4130480.48	39.62	39.62	1.50
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DISCCART	603335.59	4130380.48	39.93	39.93	1.50
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DISCCART	603335.59	4130440.48	39.75	39.75	1.50
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DISCCART	603355.59	4130440.48	39.93	39.93	1.50
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DISCCART	603045.04	4130633.30	38.27	38.27	1.50
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DISCCART	603105.04	4130653.30	38.40	38.40	1.50
DISCCART	603125.04	4130653.30	38.52	38.52	1.50
DISCCART	603145.04	4130633.30	38.71	38.71	1.50
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DISCCART	603165.04	4130613.30	38.71	38.71	1.50
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DISCCART	603185.04	4130593.30	38.85	38.85	1.50
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DISCCART	603185.04	4130633.30	38.80	38.80	1.50
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DISCCART	603205.04	4130593.30	39.02	39.02	1.50
DISCCART	603205.04	4130613.30	39.01	39.01	1.50
DISCCART	603205.04	4130633.30	38.95	38.95	1.50
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DISCCART	603225.04	4130613.30	39.01	39.01	1.50
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DISCCART	603245.04	4130633.30	39.01	39.01	1.50
DISCCART	602922.39	4130406.41	39.01	39.01	1.50
DISCCART	602922.39	4130426.41	38.91	38.91	1.50

DISCCART	602942.39	4130386.41	39.01	39.01	1.50
DISCCART	602942.39	4130406.41	39.01	39.01	1.50
DISCCART	602942.39	4130426.41	38.94	38.94	1.50
DISCCART	602942.39	4130446.41	38.80	38.80	1.50
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DISCCART	602962.39	4130406.41	39.01	39.01	1.50
DISCCART	602962.39	4130426.41	39.01	39.01	1.50
DISCCART	602962.39	4130446.41	39.01	39.01	1.50
DISCCART	602962.39	4130466.41	38.81	38.81	1.50
DISCCART	602982.39	4130406.41	39.01	39.01	1.50
DISCCART	602982.39	4130426.41	39.01	39.01	1.50
DISCCART	602982.39	4130446.41	39.01	39.01	1.50
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DISCCART	602982.39	4130486.41	38.67	38.67	1.50
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DISCCART	603002.39	4130446.41	39.01	39.01	1.50
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DISCCART	603022.39	4130486.41	38.71	38.71	1.50
DISCCART	603022.39	4130506.41	38.71	38.71	1.50
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DISCCART	603042.39	4130486.41	38.71	38.71	1.50
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DISCCART	603062.39	4130466.41	38.65	38.65	1.50
DISCCART	603073.49	4130393.01	39.01	39.01	1.50
DISCCART	603073.49	4130413.01	39.01	39.01	1.50
DISCCART	603093.49	4130393.01	39.01	39.01	1.50
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DISCCART	603113.49	4130393.01	39.02	39.02	1.50
DISCCART	603113.49	4130413.01	39.01	39.01	1.50
DISCCART	603084.25	4130509.77	38.71	38.71	1.50
DISCCART	603084.25	4130529.77	38.71	38.71	1.50
DISCCART	603104.25	4130509.77	38.71	38.71	1.50
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DISCCART	603170.74	4130474.71	39.01	39.01	1.50
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DISCCART	603210.74	4130494.71	39.09	39.09	1.50
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DISCCART	603230.74	4130494.71	39.29	39.29	1.50
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DISCCART	603230.74	4130554.71	39.29	39.29	1.50
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DISCCART	603250.74	4130534.71	39.32	39.32	1.50
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DISCCART	603270.74	4130534.71	39.40	39.40	1.50
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DISCCART	603290.74	4130534.71	39.60	39.60	1.50
DISCCART	603348.17	4130591.19	39.62	39.62	1.50
DISCCART	603348.17	4130641.19	39.17	39.17	1.50
DISCCART	603398.17	4130541.19	39.62	39.62	1.50
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DISCCART	603398.17	4130641.19	39.32	39.32	1.50
DISCCART	603448.17	4130541.19	39.62	39.62	1.50
DISCCART	603448.17	4130591.19	39.37	39.37	1.50
DISCCART	603448.17	4130641.19	39.32	39.32	1.50
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DISCCART	603226.05	4130404.23	39.32	39.32	1.50
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DISCCART	603246.05	4130384.23	39.46	39.46	1.50
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DISCCART	603096.01	4130626.07	38.41	38.41	1.50
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DISCCART	603136.01	4130606.07	38.69	38.69	1.50
DISCCART	603136.01	4130626.07	38.64	38.64	1.50
DISCCART	603094.75	4130604.93	38.49	38.49	0.00
DISCCART	603094.75	4130624.93	38.41	38.41	0.00
DISCCART	603114.75	4130604.93	38.63	38.63	0.00
DISCCART	603114.75	4130624.93	38.43	38.43	0.00
DISCCART	603114.75	4130644.93	38.42	38.42	0.00
DISCCART	603134.75	4130584.93	38.71	38.71	0.00
DISCCART	603134.75	4130604.93	38.69	38.69	0.00
DISCCART	603154.75	4130584.93	38.75	38.75	0.00
DISCCART	602703.60	4130052.56	40.88	40.88	1.50

RE FINISHED
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** AERMOD METEOROLOGY PATHWAY
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**
**
ME STARTING
   SURFFILE KSJC_2017.SFC
   PROFFILE KSJC_2017.PFL
   SURFDATA 23293 2017 SAN_JOSE_AIRPORT
   UAIRDATA 23230 2017 OAKLAND/WSO_AP
   PROFBASE 15.5 METERS
ME FINISHED
**
**************************************
** AERMOD OUTPUT PATHWAY
**************************************
**
**
OU STARTING
   RECTABLE ALLAVE 1ST
   RECTABLE 1 1ST

   PLOTFILE   1 ALL 1ST 01H1GALL.PLT
   PLOTFILE   ANNUAL ALL AN00GALL.PLT
   SUMMFILE "36_TULLY RD.SUM"

OU FINISHED


  *** Message Summary For AERMOD Model Setup ***

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

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


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


    ********   WARNING MESSAGES   ********
 ME W186     608       MEOPEN: THRESH_1MIN 1-min ASOS wind speed threshold used
      0.50
 ME W187     608       MEOPEN: ADJ_U* Option for Stable Low Winds used in AERMET


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

 *** AERMOD - VERSION 23132  ***   *** C:\LAKES\AERMOD VIEW\36_TULLY RD\36_TULLY
```

 *** MODELOPTs: RegDFAULT CONC ELEV FLGPOL URBAN ADJ_U*

                                          ***   MODEL SETUP OPTIONS SUMMARY
  ***
 - - -

```
 **Model Set To Continue RUNning After the Setup Testing.

 **The AERMET Input Meteorological Data Version Date:  18081

 **Output Options Selected:
         Model Outputs Tables of ANNUAL Averages by Receptor
         Model Outputs Tables of Highest Short Term Values by Receptor (RECTABLE
Keyword)
         Model Outputs External File(s) of High Values for Plotting (PLOTFILE
Keyword)
         Model Outputs Separate Summary File of High Ranked Values (SUMMFILE
Keyword)

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

 **Misc. Inputs:  Base Elev. for Pot. Temp. Profile (m MSL) =    15.50 ;  Decay
Coef. =    0.000     ;  Rot. Angle =     0.0
                 Emission Units = GRAMS/SEC                                ;
Emission Rate Unit Factor =   0.10000E+07
                 Output Units   = MICROGRAMS/M**3

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

 **Input Runstream File:          aermod.inp

 **Output Print File:             aermod.out


 **Detailed Error/Message File:   36_TULLY RD.ERR

 **File for Summary of Results:   36_TULLY RD.SUM

 *** AERMOD - VERSION 23132  ***   *** C:\LAKES\AERMOD VIEW\36_TULLY RD\36_TULLY
RD.ISC                     ***        07/26/24
 *** AERMET - VERSION  18081 ***   ***
                          ***        14:01:13

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


                                                    *** VOLUME SOURCE DATA ***

               NUMBER EMISSION RATE                     BASE    RELEASE    INIT.
INIT.   URBAN  EMISSION RATE   AIRCRAFT
```

```
   SOURCE       PART.  (GRAMS/SEC)     X        Y      ELEV.   HEIGHT      SY
SZ     SOURCE  SCALAR VARY
     ID         CATS.               (METERS) (METERS) (METERS) (METERS) (METERS)
(METERS)             BY
 - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
- - - - - - - - - - - - - - - - - - - - - - -

 L0000001         0   0.12780E-06  603105.4 4130482.1    38.6     3.40    27.46
3.16     YES                    NO
 L0000002         0   0.12780E-06  603150.8 4130519.9    38.8     3.40    27.46
3.16     YES                    NO
 L0000003         0   0.12780E-06  603196.2 4130557.6    39.0     3.40    27.46
3.16     YES                    NO
 L0000004         0   0.12780E-06  603241.6 4130595.4    39.1     3.40    27.46
3.16     YES                    NO
 L0000005         0   0.12780E-06  603287.0 4130633.1    39.2     3.40    27.46
3.16     YES                    NO
 L0000006         0   0.12780E-06  603332.4 4130670.8    39.0     3.40    27.46
3.16     YES                    NO
 L0000007         0   0.12780E-06  603377.8 4130708.6    39.0     3.40    27.46
3.16     YES                    NO
 L0000008         0   0.12780E-06  603423.2 4130746.3    39.0     3.40    27.46
3.16     YES                    NO
↑ *** AERMOD - VERSION 23132  ***   *** C:\LAKES\AERMOD VIEW\36_TULLY RD\36_TULLY
RD.ISC                     ***        07/26/24
 *** AERMET - VERSION  18081 ***   ***
                         ***       14:01:13

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


                                                  *** AREAPOLY SOURCE DATA ***

              NUMBER EMISSION RATE   LOCATION OF AREA  BASE     RELEASE  NUMBER
  INIT.   URBAN  EMISSION RATE    AIRCRAFT
   SOURCE       PART.  (GRAMS/SEC       X        Y      ELEV.    HEIGHT  OF VERTS.
   SZ     SOURCE  SCALAR VARY
     ID         CATS.   /METER**2)   (METERS) (METERS) (METERS) (METERS)
(METERS)             BY
 - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
- - - - - - - - - - - - - - - - - - - - - - -

 PAREA1           0   0.43478E-09  603132.3 4130450.8    38.9     4.00       5
   3.16     YES                   NO
↑ *** AERMOD - VERSION 23132  ***   *** C:\LAKES\AERMOD VIEW\36_TULLY RD\36_TULLY
RD.ISC                     ***        07/26/24
 *** AERMET - VERSION  18081 ***   ***
                         ***       14:01:13
```

*** MODELOPTs: RegDFAULT CONC ELEV FLGPOL URBAN ADJ_U*

*** SOURCE IDs DEFINING SOURCE GROUPS ***

SRCGROUP ID	SOURCE IDs
ALL	L0000001 , L0000002 , L0000003 , L0000004 , L0000005 , L0000006 , L0000007 , L0000008 ,
PAREA1	

*** MODELOPTs: RegDFAULT CONC ELEV FLGPOL URBAN ADJ_U*

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

URBAN ID	URBAN POP	SOURCE IDs
1010000.	1010000.	L0000001 , L0000002 , L0000003 , L0000004 , L0000005 , L0000006 , L0000007 , L0000008 ,
PAREA1		

*** MODELOPTs: RegDFAULT CONC ELEV FLGPOL URBAN ADJ_U*

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

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↟ *** AERMOD - VERSION 23132  ***   *** C:\LAKES\AERMOD VIEW\36_TULLY RD\36_TULLY
RD.ISC                      ***        07/26/24
 *** AERMET - VERSION  18081 ***   ***
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 *** MODELOPTs:    RegDFAULT  CONC  ELEV  FLGPOL  URBAN  ADJ_U*

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

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↟ *** AERMOD - VERSION 23132  ***   *** C:\LAKES\AERMOD VIEW\36_TULLY RD\36_TULLY
RD.ISC                      ***        07/26/24
 *** AERMET - VERSION  18081 ***   ***
                        ***        14:01:13

                                   PAGE   8
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  FLGPOL  URBAN  ADJ_U*

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

(METERS)

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↟ *** AERMOD - VERSION 23132  ***   *** C:\LAKES\AERMOD VIEW\36_TULLY RD\36_TULLY
RD.ISC                        ***        07/26/24
 *** AERMET - VERSION  18081 ***   ***
                         ***        14:01:13

                                    PAGE   9
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  FLGPOL  URBAN  ADJ_U*
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*** DISCRETE CARTESIAN RECEPTORS ***
(X-COORD, Y-COORD, ZELEV, ZHILL, ZFLAG)
(METERS)

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 *** AERMOD - VERSION 23132  ***   *** C:\LAKES\AERMOD VIEW\36_TULLY RD\36_TULLY
RD.ISC                     ***        07/26/24
 *** AERMET - VERSION  18081 ***   ***
                           ***       14:01:13
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*** MODELOPTs: RegDFAULT CONC ELEV FLGPOL URBAN ADJ_U*

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

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 *** AERMOD - VERSION 23132  ***   *** C:\LAKES\AERMOD VIEW\36_TULLY RD\36_TULLY
RD.ISC                      ***        07/26/24
 *** AERMET - VERSION  18081 ***   ***
                            ***       14:01:13
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*** MODELOPTs: RegDFAULT CONC ELEV FLGPOL URBAN ADJ_U*

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

(603104.2, 4130509.8, 38.7, 38.7, 1.5); (603104.2, 4130529.8, 38.7, 38.7, 1.5);
(603104.2, 4130549.8, 38.7, 38.7, 1.5); (603124.2, 4130529.8, 38.7, 38.7, 1.5);
(603170.7, 4130474.7, 39.0, 39.0, 1.5); (603170.7, 4130494.7, 39.0, 39.0, 1.5);
(603190.7, 4130474.7, 39.0, 39.0, 1.5); (603190.7, 4130494.7, 39.0, 39.0, 1.5);
(603190.7, 4130514.7, 39.0, 39.0, 1.5); (603210.7, 4130494.7, 39.1, 39.1, 1.5);
(603210.7, 4130514.7, 39.1, 39.1, 1.5); (603210.7, 4130534.7, 39.1, 39.1, 1.5);
(603230.7, 4130494.7, 39.3, 39.3, 1.5); (603230.7, 4130514.7, 39.3, 39.3, 1.5);
(603230.7, 4130534.7, 39.3, 39.3, 1.5); (603230.7, 4130554.7, 39.3, 39.3, 1.5);
(603250.7, 4130514.7, 39.3, 39.3, 1.5); (603250.7, 4130534.7, 39.3, 39.3, 1.5);
(603250.7, 4130554.7, 39.3, 39.3, 1.5); (603270.7, 4130534.7, 39.4, 39.4, 1.5);
(603270.7, 4130554.7, 39.4, 39.4, 1.5); (603290.7, 4130534.7, 39.6, 39.6, 1.5);
(603348.2, 4130591.2, 39.6, 39.6, 1.5); (603348.2, 4130641.2, 39.2, 39.2, 1.5);
(603398.2, 4130541.2, 39.6, 39.6, 1.5); (603398.2, 4130591.2, 39.4, 39.4, 1.5);
(603398.2, 4130641.2, 39.3, 39.3, 1.5); (603448.2, 4130541.2, 39.6, 39.6, 1.5);
(603448.2, 4130591.2, 39.4, 39.4, 1.5); (603448.2, 4130641.2, 39.3, 39.3, 1.5);
(603498.2, 4130591.2, 39.4, 39.4, 1.5); (603498.2, 4130641.2, 39.3, 39.3, 1.5);
(603548.2, 4130641.2, 39.3, 39.3, 1.5); (603206.1, 4130384.2, 39.3, 39.3, 1.5);
(603206.1, 4130404.2, 39.3, 39.3, 1.5); (603206.1, 4130424.2, 39.3, 39.3, 1.5);
(603206.1, 4130444.2, 39.3, 39.3, 1.5); (603226.1, 4130384.2, 39.3, 39.3, 1.5);
(603226.1, 4130404.2, 39.3, 39.3, 1.5); (603226.1, 4130424.2, 39.3, 39.3, 1.5);
(603246.1, 4130384.2, 39.5, 39.5, 1.5); (603246.1, 4130404.2, 39.4, 39.4, 1.5);

*** MODELOPTs: RegDFAULT CONC ELEV FLGPOL URBAN ADJ_U*

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

SOURCE ID	- - RECEPTOR LOCATION - - XR (METERS)	YR (METERS)	DISTANCE (METERS)
L0000001	603062.4	4130466.4	-13.26
L0000001	603093.5	4130433.0	-8.49
L0000001	603084.2	4130509.8	-24.25
L0000001	603084.2	4130529.8	-6.93
L0000001	603104.2	4130509.8	-31.38
L0000001	603104.2	4130529.8	-11.39
L0000001	603124.2	4130529.8	

-7.81			
	L0000002	603104.2	4130509.8
-11.41			
	L0000002	603104.2	4130529.8
-11.45			
	L0000002	603104.2	4130549.8
-3.72			
	L0000002	603124.2	4130529.8
-30.71			
	L0000002	603170.7	4130474.7
-9.66			
	L0000002	603170.7	4130494.7
-26.93			
	L0000002	603190.7	4130494.7
-11.83			
	L0000002	603190.7	4130514.7
-18.76			
	L0000003	603185.0	4130593.3
-21.65			
	L0000003	603185.0	4130613.3
-2.25			
	L0000003	603205.0	4130593.3
-22.28			
	L0000003	603205.0	4130613.3
-2.66			
	L0000003	603190.7	4130514.7
-15.78			
	L0000003	603210.7	4130514.7
-13.74			
	L0000003	603210.7	4130534.7
-31.91			
	L0000003	603230.7	4130514.7
-3.96			
	L0000003	603230.7	4130534.7
-17.60			
	L0000003	603230.7	4130554.7
-24.38			
	L0000003	603250.7	4130534.7
0.11			
	L0000003	603250.7	4130554.7
-4.43			
	L0000003	603154.8	4130584.9
-9.40			
	L0000004	603185.0	4130593.3
-2.43			
	L0000004	603185.0	4130613.3
0.31			
	L0000004	603205.0	4130593.3
-22.41			
	L0000004	603205.0	4130613.3

-18.30
                              L0000004   603205.0   4130633.3
-6.34
                              L0000004   603225.0   4130613.3
-34.62
                              L0000004   603225.0   4130633.3
-17.64
                              L0000004   603245.0   4130633.3
-20.95
                              L0000004   603230.7   4130554.7
-16.96
                              L0000004   603250.7   4130554.7
-17.38
                              L0000004   603270.7   4130554.7
-9.03
                              L0000005   603254.6   4130658.5
-17.87

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

                               SOURCE   - - RECEPTOR LOCATION - -   DISTANCE
                                 ID   XR (METERS)   YR (METERS)   (METERS)
                             -

                              L0000005   603245.0   4130633.3
-17.06
                              L0000006   603348.2   4130641.2
-25.47

*** METEOROLOGICAL DAYS SELECTED FOR PROCESSING ***

(1=YES; 0=NO)

```
           1 1 1 1 1 1 1 1 1 1   1 1 1 1 1 1 1 1 1 1   1 1 1 1 1 1 1 1 1 1   1 1 1
1 1 1 1 1 1 1   1 1 1 1 1 1 1 1 1 1
           1 1 1 1 1 1 1 1 1 1   1 1 1 1 1 1 1 1 1 1   1 1 1 1 1 1 1 1 1 1   1 1 1
1 1 1 1 1 1 1   1 1 1 1 1 1 1 1 1 1
           1 1 1 1 1 1 1 1 1 1   1 1 1 1 1 1 1 1 1 1   1 1 1 1 1 1 1 1 1 1   1 1 1
1 1 1 1 1 1 1   1 1 1 1 1 1 1 1 1 1
           1 1 1 1 1 1 1 1 1 1   1 1 1 1 1 1 1 1 1 1   1 1 1 1 1 1 1 1 1 1   1 1 1
1 1 1 1 1 1 1   1 1 1 1 1 1 1 1 1 1
           1 1 1 1 1 1 1 1 1 1   1 1 1 1 1 1 1 1 1 1   1 1 1 1 1 1 1 1 1 1   1 1 1
1 1 1 1 1 1 1   1 1 1 1 1 1 1 1 1 1
           1 1 1 1 1 1 1 1 1 1   1 1 1 1 1 1 1 1 1 1   1 1 1 1 1 1 1 1 1 1   1 1 1
1 1 1 1 1 1 1   1 1 1 1 1 1 1 1 1 1
           1 1 1 1 1 1 1 1 1 1   1 1 1 1 1 1 1 1 1 1   1 1 1 1 1 1 1 1 1 1   1 1 1
1 1 1 1 1 1 1   1 1 1 1 1 1 1 1 1 1
           1 1 1 1 1 1 1 1 1 1   1 1 1 1 1 1 1 1 1 1   1 1 1 1 1 1 1 1 1 1   1 1 1
1 1 1 1 1 1 1   1 1 1 1 1 1 1 1 1 1
           1 1 1 1 1 1 1 1 1 1   1 1 1 1 1
```

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

*** UPPER BOUND OF FIRST THROUGH FIFTH WIND SPEED CATEGORIES ***

(METERS/SEC)

1.54, 3.09, 5.14, 8.23, 10.80,

*** MODELOPTs: RegDFAULT CONC ELEV FLGPOL URBAN ADJ_U*

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

Surface file: KSJC_2017.SFC
Met Version: 18081
Profile file: KSJC_2017.PFL

Surface format: FREE

Profile format: FREE

```
   Surface station no.:    23293                 Upper air station no.:    23230
                  Name: SAN_JOSE_AIRPORT                              Name:
OAKLAND/WSO_AP
                  Year:   2017                                        Year:   2017

 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
- - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
- - - - - - - - - - - - - - - - - - -
 17 01 01   1 01  -22.4  0.219 -9.000 -9.000 -999.  246.     52.9  0.02   0.68
1.00    3.36  121.    7.9  277.5    2.0
 17 01 01   1 02  -12.5  0.138 -9.000 -9.000 -999.  125.     21.0  0.02   0.68
1.00    2.17  180.    7.9  278.1    2.0
 17 01 01   1 03  -16.7  0.164 -9.000 -9.000 -999.  160.     29.6  0.02   0.68
1.00    2.55  137.    7.9  278.8    2.0
 17 01 01   1 04  -17.5  0.172 -9.000 -9.000 -999.  172.     32.7  0.02   0.68
1.00    2.67  125.    7.9  279.2    2.0
 17 01 01   1 05  -21.8  0.215 -9.000 -9.000 -999.  239.     50.6  0.02   0.68
1.00    3.29  122.    7.9  279.2    2.0
 17 01 01   1 06  -15.2  0.153 -9.000 -9.000 -999.  145.     25.8  0.02   0.68
1.00    2.39  154.    7.9  279.9    2.0
 17 01 01   1 07  -18.9  0.187 -9.000 -9.000 -999.  194.     38.3  0.02   0.68
1.00    2.88  124.    7.9  279.9    2.0
 17 01 01   1 08  -17.7  0.175 -9.000 -9.000 -999.  176.     33.7  0.02   0.68
0.74    2.71  132.    7.9  279.9    2.0
 17 01 01   1 09    5.8  0.168  0.369  0.005  314.  166.    -74.7  0.02   0.68
0.39    2.32  134.    7.9  280.9    2.0
 17 01 01   1 10   35.9  0.138  0.923  0.018  792.  123.     -6.6  0.02   0.68
0.27    1.59  138.    7.9  282.0    2.0
 17 01 01   1 11   59.1  0.123  1.168  0.019  974.  104.     -2.9  0.02   0.68
0.23    1.28  129.    7.9  284.2    2.0
 17 01 01   1 12   72.0  0.252  1.293  0.020 1085.  304.    -20.1  0.02   0.68
0.21    3.34  280.    7.9  284.9    2.0
 17 01 01   1 13   87.9  0.389  1.384  0.019 1089.  582.    -60.3  0.05   0.68
0.21    4.65  263.    7.9  285.9    2.0
 17 01 01   1 14   65.5  0.353  1.256  0.019 1091.  504.    -60.5  0.05   0.68
0.22    4.22  270.    7.9  285.9    2.0
 17 01 01   1 15   46.1  0.403  1.118  0.018 1093.  613.   -128.0  0.05   0.68
0.25    4.97  244.    7.9  285.4    2.0
 17 01 01   1 16   18.2  0.370  0.820  0.018 1094.  542.   -252.7  0.02   0.68
0.33    5.44  281.    7.9  285.4    2.0
 17 01 01   1 17  -32.0  0.420 -9.000 -9.000 -999.  653.    209.2  0.02   0.68
0.57    6.43  279.    7.9  283.1    2.0
 17 01 01   1 18  -28.9  0.288 -9.000 -9.000 -999.  382.     91.1  0.05   0.68
1.00    3.85  243.    7.9  282.0    2.0
 17 01 01   1 19  -18.6  0.185 -9.000 -9.000 -999.  197.     37.6  0.05   0.68
1.00    2.52  246.    7.9  282.0    2.0
 17 01 01   1 20  -13.3  0.147 -9.000 -9.000 -999.  135.     23.7  0.05   0.68
1.00    2.03  225.    7.9  280.9    2.0
```

```
 17 01 01   1 21   -7.4  0.105 -9.000 -9.000 -999.   82.     14.3  0.02   0.68
1.00    1.69  116.    7.9  282.0    2.0
 17 01 01   1 22  -10.4  0.130 -9.000 -9.000 -999.  112.     19.0  0.05   0.68
1.00    1.76   94.    7.9  281.4    2.0
 17 01 01   1 23  -14.5  0.149 -9.000 -9.000 -999.  138.     24.5  0.02   0.68
1.00    2.33  133.    7.9  280.9    2.0
 17 01 01   1 24  -21.8  0.215 -9.000 -9.000 -999.  240.     51.0  0.02   0.68
1.00    3.30  114.    7.9  280.4    2.0


 First hour of profile data
 YR MO DY HR HEIGHT F  WDIR    WSPD AMB_TMP sigmaA  sigmaW  sigmaV
 17 01 01 01    7.9 1  121.    3.36   277.6   99.0  -99.00  -99.00

 F indicates top of profile (=1) or below (=0)
 *** AERMOD - VERSION 23132  ***   *** C:\LAKES\AERMOD VIEW\36_TULLY RD\36_TULLY
RD.ISC                      ***        07/26/24
 *** AERMET - VERSION  18081 ***   ***
                         ***        14:01:13

                                    PAGE  16
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  FLGPOL  URBAN  ADJ_U*

                   *** THE ANNUAL AVERAGE CONCENTRATION    VALUES AVERAGED OVER   1
YEARS FOR SOURCE GROUP: ALL      ***
                                    INCLUDING SOURCE(S):     L0000001    , L0000002
 , L0000003    , L0000004    , L0000005    ,
                 L0000006    , L0000007    , L0000008    , PAREA1      ,

                                          *** DISCRETE CARTESIAN RECEPTOR POINTS
***

                                       ** CONC OF PM_10    IN MICROGRAMS/M**3
                    **

       X-COORD (M)   Y-COORD (M)        CONC                       X-COORD (M)
Y-COORD (M)        CONC
 - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
- - - - - - - - - - - - - - - - - - - - - - - - - -
         602766.91    4130103.30        0.00000                      602766.91
4130153.30        0.00000
         602816.91    4130053.30        0.00000                      602816.91
4130103.30        0.00000
         602816.91    4130153.30        0.00000                      602816.91
4130203.30        0.00000
         602866.91    4130003.30        0.00000                      602866.91
4130053.30        0.00000
         602866.91    4130103.30        0.00000                      602866.91
4130153.30        0.00000
         602866.91    4130203.30        0.00000                      602866.91
```

4130253.30 0.00000
602916.91 4129953.30 0.00000 602916.91
4130003.30 0.00000
602916.91 4130053.30 0.00000 602916.91
4130103.30 0.00000
602916.91 4130153.30 0.00000 602916.91
4130203.30 0.00000
602916.91 4130253.30 0.00000 602966.91
4129953.30 0.00000
602966.91 4130003.30 0.00000 602966.91
4130053.30 0.00000
602966.91 4130103.30 0.00000 602966.91
4130153.30 0.00000
602966.91 4130203.30 0.00000 602966.91
4130253.30 0.00000
602966.91 4130303.30 0.00000 603016.91
4129953.30 0.00000
603016.91 4130003.30 0.00000 603016.91
4130053.30 0.00000
603016.91 4130103.30 0.00000 603016.91
4130153.30 0.00000
603016.91 4130203.30 0.00000 603016.91
4130253.30 0.00000
603016.91 4130303.30 0.00000 603066.91
4129953.30 0.00000
603066.91 4130003.30 0.00000 603066.91
4130053.30 0.00000
603066.91 4130103.30 0.00000 603066.91
4130153.30 0.00000
603066.91 4130203.30 0.00000 603066.91
4130253.30 0.00000
603116.91 4129953.30 0.00000 603116.91
4130003.30 0.00000
603116.91 4130053.30 0.00000 603116.91
4130103.30 0.00000
603116.91 4130153.30 0.00000 603116.91
4130203.30 0.00000
603116.91 4130253.30 0.00000 603166.91
4129953.30 0.00000
603166.91 4130003.30 0.00000 603166.91
4130053.30 0.00000
603166.91 4130103.30 0.00000 603166.91
4130153.30 0.00000
603166.91 4130203.30 0.00000 603216.91
4129953.30 0.00000
603216.91 4130003.30 0.00000 603216.91
4130053.30 0.00000
603216.91 4130103.30 0.00000 603216.91
4130153.30 0.00000
603216.91 4130203.30 0.00001 603216.91

4130253.30   0.00001
         603266.91   4129953.30   0.00000   603266.91
4130003.30   0.00000
         603266.91   4130053.30   0.00000   603266.91
4130103.30   0.00000
         603266.91   4130153.30   0.00001   603266.91
4130203.30   0.00001
         603316.91   4129953.30   0.00000   603316.91
4130003.30   0.00000
         603316.91   4130053.30   0.00000   603316.91
4130103.30   0.00000
         603316.91   4130153.30   0.00001   603366.91
4129953.30   0.00000
         603366.91   4130003.30   0.00000   603366.91
4130053.30   0.00000
         603366.91   4130103.30   0.00001   603416.91
4129953.30   0.00000
         603416.91   4130003.30   0.00000   603466.91
4129953.30   0.00000

 *** MODELOPTs: RegDFAULT CONC ELEV FLGPOL URBAN ADJ_U*

                   *** THE ANNUAL AVERAGE CONCENTRATION   VALUES AVERAGED OVER   1 YEARS FOR SOURCE GROUP: ALL   ***
                                    INCLUDING SOURCE(S):   L0000001   , L0000002
 , L0000003   , L0000004   , L0000005   ,
                 L0000006   , L0000007   , L0000008   , PAREA1   ,

                                          *** DISCRETE CARTESIAN RECEPTOR POINTS ***

                                       ** CONC OF PM_10   IN MICROGRAMS/M**3
                    **

       X-COORD (M)   Y-COORD (M)   CONC   X-COORD (M)
Y-COORD (M)   CONC
 - - -

4130097.67 0.00001
603408.27 4130147.67 0.00001 603408.27
4130197.67 0.00001
603408.27 4130247.67 0.00001 603408.27
4130297.67 0.00002
603408.27 4130347.67 0.00002 603408.27
4130397.67 0.00002
603408.27 4130447.67 0.00002 603458.27
4130047.67 0.00000
603458.27 4130097.67 0.00001 603458.27
4130147.67 0.00001
603458.27 4130197.67 0.00001 603458.27
4130247.67 0.00001
603458.27 4130297.67 0.00002 603458.27
4130347.67 0.00002
603458.27 4130397.67 0.00002 603458.27
4130447.67 0.00002
603458.27 4130497.67 0.00002 603508.27
4129997.67 0.00000
603508.27 4130047.67 0.00001 603508.27
4130097.67 0.00001
603508.27 4130147.67 0.00001 603508.27
4130197.67 0.00001
603508.27 4130247.67 0.00001 603508.27
4130297.67 0.00001
603508.27 4130347.67 0.00002 603508.27
4130397.67 0.00002
603508.27 4130447.67 0.00002 603508.27
4130497.67 0.00002
603508.27 4130547.67 0.00002 603558.27
4129997.67 0.00000
603558.27 4130047.67 0.00001 603558.27
4130097.67 0.00001
603558.27 4130147.67 0.00001 603558.27
4130197.67 0.00001
603558.27 4130247.67 0.00001 603558.27
4130297.67 0.00001
603558.27 4130347.67 0.00001 603558.27
4130397.67 0.00001
603558.27 4130447.67 0.00001 603558.27
4130497.67 0.00002
603558.27 4130547.67 0.00002 603558.27
4130597.67 0.00002
603608.27 4129997.67 0.00000 603608.27
4130047.67 0.00001
603608.27 4130097.67 0.00001 603608.27
4130147.67 0.00001
603608.27 4130197.67 0.00001 603608.27
4130247.67 0.00001
603608.27 4130297.67 0.00001 603608.27

4130347.67   0.00001
         603608.27   4130397.67   0.00001   603608.27
4130447.67   0.00001
         603608.27   4130497.67   0.00001   603608.27
4130547.67   0.00001
         603608.27   4130597.67   0.00001   603658.27
4129997.67   0.00000
         603658.27   4130047.67   0.00001   603658.27
4130097.67   0.00001
         603658.27   4130147.67   0.00001   603658.27
4130197.67   0.00001
         603658.27   4130247.67   0.00001   603658.27
4130297.67   0.00001
         603658.27   4130347.67   0.00001   603658.27
4130397.67   0.00001
         603658.27   4130447.67   0.00001   603658.27
4130497.67   0.00001
         603658.27   4130547.67   0.00001   603658.27
4130597.67   0.00001
         602640.57   4130170.66   0.00000   602640.57
4130220.66   0.00000
         602640.57   4130270.66   0.00000   602640.57
4130320.66   0.00000

 *** MODELOPTs: RegDFAULT CONC ELEV FLGPOL URBAN ADJ_U*

                   *** THE ANNUAL AVERAGE CONCENTRATION   VALUES AVERAGED OVER   1
YEARS FOR SOURCE GROUP: ALL   ***
                                  INCLUDING SOURCE(S):   L0000001   , L0000002
 , L0000003   , L0000004   , L0000005   ,
                 L0000006   , L0000007   , L0000008   , PAREA1   ,

                                          *** DISCRETE CARTESIAN RECEPTOR POINTS
***

                                       ** CONC OF PM_10   IN MICROGRAMS/M**3
                    **

       X-COORD (M)   Y-COORD (M)   CONC   X-COORD (M)
Y-COORD (M)   CONC
 -
- -
         602640.57   4130370.66   0.00000   602640.57
4130420.66   0.00000
         602640.57   4130470.66   0.00000   602640.57

4130520.66 0.00000
602640.57 4130570.66 0.00000 602640.57
4130620.66 0.00000
602640.57 4130670.66 0.00001 602640.57
4130720.66 0.00001
602640.57 4130770.66 0.00001 602640.57
4130820.66 0.00001
602640.57 4130870.66 0.00001 602640.57
4130920.66 0.00001
602690.57 4130220.66 0.00000 602690.57
4130270.66 0.00000
602690.57 4130320.66 0.00000 602690.57
4130370.66 0.00000
602690.57 4130420.66 0.00000 602690.57
4130470.66 0.00000
602690.57 4130520.66 0.00000 602690.57
4130570.66 0.00000
602690.57 4130620.66 0.00001 602690.57
4130670.66 0.00001
602690.57 4130720.66 0.00001 602690.57
4130770.66 0.00001
602690.57 4130820.66 0.00001 602690.57
4130870.66 0.00001
602690.57 4130920.66 0.00001 602740.57
4130220.66 0.00000
602740.57 4130270.66 0.00000 602740.57
4130320.66 0.00000
602740.57 4130370.66 0.00000 602740.57
4130420.66 0.00000
602740.57 4130470.66 0.00000 602740.57
4130520.66 0.00000
602740.57 4130570.66 0.00001 602740.57
4130620.66 0.00001
602740.57 4130670.66 0.00001 602740.57
4130720.66 0.00001
602740.57 4130770.66 0.00001 602740.57
4130820.66 0.00001
602740.57 4130870.66 0.00001 602790.57
4130270.66 0.00000
602790.57 4130320.66 0.00000 602790.57
4130370.66 0.00000
602790.57 4130420.66 0.00000 602790.57
4130470.66 0.00000
602790.57 4130520.66 0.00001 602790.57
4130570.66 0.00001
602790.57 4130620.66 0.00001 602790.57
4130670.66 0.00001
602790.57 4130720.66 0.00001 602790.57
4130770.66 0.00001
602790.57 4130820.66 0.00001 602840.57

4130320.66   0.00000
         602840.57   4130370.66   0.00000   602840.57
4130420.66   0.00000
         602840.57   4130470.66   0.00001   602840.57
4130520.66   0.00001
         602840.57   4130570.66   0.00001   602840.57
4130620.66   0.00001
         602840.57   4130670.66   0.00001   602840.57
4130720.66   0.00001
         602840.57   4130770.66   0.00001   602890.57
4130370.66   0.00000
         602890.57   4130420.66   0.00001   602890.57
4130470.66   0.00001
         602890.57   4130520.66   0.00001   602890.57
4130570.66   0.00002
         602890.57   4130620.66   0.00002   602890.57
4130670.66   0.00002
         602940.57   4130520.66   0.00002   602940.57
4130570.66   0.00002
         602940.57   4130620.66   0.00002   602754.62
4130958.49   0.00001
         602804.62   4130858.49   0.00001   602804.62
4130908.49   0.00001
         602804.62   4130958.49   0.00001   602854.62
4130808.49   0.00001
         602854.62   4130858.49   0.00001   602854.62
4130908.49   0.00001

 *** MODELOPTs: RegDFAULT CONC ELEV FLGPOL URBAN ADJ_U*

                   *** THE ANNUAL AVERAGE CONCENTRATION   VALUES AVERAGED OVER   1 YEARS FOR SOURCE GROUP: ALL   ***
                                  INCLUDING SOURCE(S):   L0000001   , L0000002
 , L0000003   , L0000004   , L0000005   ,
                L0000006   , L0000007   , L0000008   , PAREA1   ,

                                       *** DISCRETE CARTESIAN RECEPTOR POINTS ***

                                  ** CONC OF PM_10   IN MICROGRAMS/M**3
                   **

       X-COORD (M)   Y-COORD (M)   CONC   X-COORD (M)
Y-COORD (M)   CONC
 -

- - - -

```
4130908.49        0.00001
         603254.62    4130958.49        0.00001                        603304.62
4130758.49        0.00004
         603304.62    4130908.49        0.00001                        603304.62
4130958.49        0.00001
         603354.62    4130908.49        0.00001                        603354.62
4130958.49        0.00001
         603005.81    4130339.02        0.00001                        603005.81
4130359.02        0.00001
         603025.81    4130359.02        0.00001                        603025.81
4130379.02        0.00001
         603045.81    4130359.02        0.00001                        603045.81
4130379.02        0.00001
         603065.81    4130359.02        0.00001                        603065.81
4130379.02        0.00001
         603085.81    4130359.02        0.00001                        603105.81
4130339.02        0.00001
         603105.81    4130359.02        0.00001                        603105.81
4130379.02        0.00001
         603125.81    4130339.02        0.00001                        603125.81
4130359.02        0.00001
         603125.81    4130379.02        0.00002                        603145.81
4130359.02        0.00002
         603145.81    4130379.02        0.00002                        603035.25
4130307.16        0.00000
         603035.25    4130327.16        0.00001                        603055.25
4130307.16        0.00001
         603055.25    4130327.16        0.00001                        603075.25
4130287.16        0.00000
         603075.25    4130307.16        0.00001                        603075.25
4130327.16        0.00001
 *** AERMOD - VERSION 23132  ***   *** C:\LAKES\AERMOD VIEW\36_TULLY RD\36_TULLY
RD.ISC                      ***        07/26/24
 *** AERMET - VERSION  18081 ***   ***
                         ***        14:01:13

                                   PAGE  20
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  FLGPOL  URBAN  ADJ_U*

                    *** THE ANNUAL AVERAGE CONCENTRATION    VALUES AVERAGED OVER   1
YEARS FOR SOURCE GROUP: ALL      ***
                                    INCLUDING SOURCE(S):     L0000001    , L0000002
 , L0000003    , L0000004    , L0000005    ,
                  L0000006    , L0000007    , L0000008    , PAREA1      ,

                                              *** DISCRETE CARTESIAN RECEPTOR POINTS
***

                                           ** CONC OF PM_10    IN MICROGRAMS/M**3
                     **
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X-COORD (M)	Y-COORD (M)	CONC	X-COORD (M)	Y-COORD (M)	CONC
603095.25	4130287.16	0.00001	603095.25	4130307.16	0.00001
603115.25	4130287.16	0.00001	603135.25	4130287.16	0.00001
603135.25	4130307.16	0.00001	603155.25	4130287.16	0.00001
603155.25	4130307.16	0.00001	603155.25	4130327.16	0.00001
603175.25	4130287.16	0.00001	603175.25	4130307.16	0.00001
603175.25	4130327.16	0.00001	603175.25	4130347.16	0.00002
602962.66	4130491.49	0.00002	602962.66	4130511.49	0.00002
602962.66	4130531.49	0.00002	602962.66	4130551.49	0.00003
602982.66	4130511.49	0.00003	602982.66	4130531.49	0.00003
602982.66	4130551.49	0.00003	602982.66	4130571.49	0.00003
603002.66	4130531.49	0.00004	603002.66	4130551.49	0.00004
603235.59	4130440.48	0.00008	603235.59	4130460.48	0.00008
603255.59	4130320.48	0.00002	603255.59	4130340.48	0.00003
603255.59	4130420.48	0.00006	603255.59	4130440.48	0.00007
603255.59	4130460.48	0.00006	603255.59	4130480.48	0.00006
603275.59	4130320.48	0.00002	603275.59	4130340.48	0.00003
603275.59	4130360.48	0.00004	603275.59	4130380.48	0.00004
603275.59	4130400.48	0.00005	603275.59	4130420.48	0.00005
603275.59	4130440.48	0.00005	603275.59	4130460.48	0.00005
603275.59	4130480.48	0.00005	603275.59	4130500.48	0.00005
603295.59	4130340.48	0.00003	603295.59	4130360.48	0.00003
603295.59	4130380.48	0.00004	603295.59	4130400.48	0.00004
603295.59	4130420.48	0.00005	603295.59		

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4130440.48        0.00004
         603295.59    4130460.48        0.00004                      603295.59
4130480.48        0.00004
         603295.59    4130500.48        0.00005                      603295.59
4130520.48        0.00005
         603315.59    4130360.48        0.00003                      603315.59
4130380.48        0.00004
         603315.59    4130400.48        0.00004                      603315.59
4130420.48        0.00004
         603315.59    4130440.48        0.00004                      603315.59
4130460.48        0.00004
         603315.59    4130480.48        0.00004                      603315.59
4130500.48        0.00004
         603315.59    4130520.48        0.00004                      603335.59
4130380.48        0.00003
         603335.59    4130420.48        0.00003                      603335.59
4130440.48        0.00003
         603335.59    4130460.48        0.00003                      603335.59
4130480.48        0.00004
         603355.59    4130440.48        0.00003                      603355.59
4130460.48        0.00003
         603025.04    4130593.30        0.00004                      603025.04
4130613.30        0.00004
         603045.04    4130613.30        0.00004                      603045.04
4130633.30        0.00004
         603065.04    4130613.30        0.00004                      603065.04
4130633.30        0.00004
         603085.04    4130633.30        0.00004                      603085.04
4130653.30        0.00004
         603105.04    4130653.30        0.00004                      603125.04
4130653.30        0.00004
         603145.04    4130633.30        0.00005                      603145.04
4130653.30        0.00004
         603165.04    4130613.30        0.00006                      603165.04
4130633.30        0.00005
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*** MODELOPTs: RegDFAULT CONC ELEV FLGPOL URBAN ADJ_U*

*** THE ANNUAL AVERAGE CONCENTRATION   VALUES AVERAGED OVER   1 YEARS FOR SOURCE GROUP: ALL   ***
INCLUDING SOURCE(S):   L0000001   , L0000002   , L0000003   , L0000004   , L0000005   ,
L0000006   , L0000007   , L0000008   , PAREA1   ,

*** DISCRETE CARTESIAN RECEPTOR POINTS

***

** CONC OF PM_10 IN MICROGRAMS/M**3 **

X-COORD (M)	Y-COORD (M)	CONC	X-COORD (M)	Y-COORD (M)	CONC
603165.04	4130653.30	0.00005	603185.04	4130593.30	0.00003
603185.04	4130613.30	0.00002	603185.04	4130633.30	0.00006
603185.04	4130653.30	0.00005	603205.04	4130593.30	0.00003
603205.04	4130613.30	0.00002	603205.04	4130633.30	0.00004
603205.04	4130653.30	0.00006	603225.04	4130613.30	0.00004
603225.04	4130633.30	0.00004	603245.04	4130633.30	0.00002
602922.39	4130406.41	0.00001	602922.39	4130426.41	0.00001
602942.39	4130386.41	0.00001	602942.39	4130406.41	0.00001
602942.39	4130426.41	0.00001	602942.39	4130446.41	0.00001
602962.39	4130386.41	0.00001	602962.39	4130406.41	0.00001
602962.39	4130426.41	0.00001	602962.39	4130446.41	0.00001
602962.39	4130466.41	0.00001	602982.39	4130406.41	0.00001
602982.39	4130426.41	0.00001	602982.39	4130446.41	0.00001
602982.39	4130466.41	0.00002	602982.39	4130486.41	0.00002
603002.39	4130426.41	0.00001	603002.39	4130446.41	0.00002
603002.39	4130466.41	0.00002	603002.39	4130486.41	0.00003
603002.39	4130506.41	0.00003	603022.39	4130446.41	0.00002
603022.39	4130466.41	0.00003	603022.39	4130486.41	0.00004
603022.39	4130506.41	0.00004	603042.39	4130466.41	0.00004
603042.39	4130486.41	0.00005	603042.39	4130506.41	0.00006
603062.39	4130466.41	0.00003	603073.49		

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4130393.01        0.00001
         603073.49    4130413.01        0.00002                     603093.49
4130393.01        0.00001
         603093.49    4130413.01        0.00002                     603093.49
4130433.01        0.00002
         603113.49    4130393.01        0.00002                     603113.49
4130413.01        0.00003
         603084.25    4130509.77        0.00010                     603084.25
4130529.77        0.00009
         603104.25    4130509.77        0.00011                     603104.25
4130529.77        0.00008
         603104.25    4130549.77        0.00007                     603124.25
4130529.77        0.00008
         603170.74    4130474.71        0.00028                     603170.74
4130494.71        0.00011
         603190.74    4130474.71        0.00015                     603190.74
4130494.71        0.00007
         603190.74    4130514.71        0.00004                     603210.74
4130494.71        0.00009
         603210.74    4130514.71        0.00006                     603210.74
4130534.71        0.00005
         603230.74    4130494.71        0.00007                     603230.74
4130514.71        0.00005
         603230.74    4130534.71        0.00005                     603230.74
4130554.71        0.00003
         603250.74    4130514.71        0.00007                     603250.74
4130534.71        0.00005
         603250.74    4130554.71        0.00002                     603270.74
4130534.71        0.00006
         603270.74    4130554.71        0.00004                     603290.74
4130534.71        0.00006
         603348.17    4130591.19        0.00006                     603348.17
4130641.19        0.00004
         603398.17    4130541.19        0.00003                     603398.17
4130591.19        0.00004
         603398.17    4130641.19        0.00006                     603448.17
4130541.19        0.00003
         603448.17    4130591.19        0.00003                     603448.17
4130641.19        0.00004
 *** AERMOD - VERSION 23132  ***   *** C:\LAKES\AERMOD VIEW\36_TULLY RD\36_TULLY
RD.ISC                     ***       07/26/24
 *** AERMET - VERSION  18081 ***   ***
                         ***       14:01:13

                                   PAGE  22
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  FLGPOL  URBAN  ADJ_U*

                   *** THE ANNUAL AVERAGE CONCENTRATION    VALUES AVERAGED OVER   1
YEARS FOR SOURCE GROUP: ALL      ***
                                    INCLUDING SOURCE(S):     L0000001    , L0000002
```

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

** CONC OF PM_10   IN MICROGRAMS/M**3 **

X-COORD (M)	Y-COORD (M)	CONC	X-COORD (M)	Y-COORD (M)	CONC
603498.17	4130591.19	0.00003	603498.17	4130641.19	0.00003
603548.17	4130641.19	0.00002	603206.05	4130384.23	0.00005
603206.05	4130404.23	0.00007	603206.05	4130424.23	0.00010
603206.05	4130444.23	0.00013	603226.05	4130384.23	0.00005
603226.05	4130404.23	0.00007	603226.05	4130424.23	0.00009
603246.05	4130384.23	0.00005	603246.05	4130404.23	0.00006
603096.01	4130606.07	0.00005	603096.01	4130626.07	0.00004
603116.01	4130606.07	0.00005	603116.01	4130626.07	0.00005
603116.01	4130646.07	0.00004	603136.01	4130606.07	0.00006
603136.01	4130626.07	0.00005	603094.75	4130604.93	0.00005
603094.75	4130624.93	0.00004	603114.75	4130604.93	0.00005
603114.75	4130624.93	0.00005	603114.75	4130644.93	0.00004
603134.75	4130584.93	0.00007	603134.75	4130604.93	0.00006
603154.75	4130584.93	0.00005	602703.60	4130052.56	0.00000

 *** MODELOPTs: RegDFAULT CONC ELEV FLGPOL URBAN ADJ_U*

*** THE   1ST HIGHEST 1-HR AVERAGE CONCENTRATION

VALUES FOR SOURCE GROUP: ALL   ***
                                  INCLUDING SOURCE(S):   L0000001   , L0000002
 , L0000003   , L0000004   , L0000005   ,
                L0000006   , L0000007   , L0000008   , PAREA1   ,

                                          *** DISCRETE CARTESIAN RECEPTOR POINTS
***

                                       ** CONC OF PM_10   IN MICROGRAMS/M**3
                  **

      X-COORD (M) Y-COORD (M)   CONC   (YYMMDDHH)   X-COORD (M)
Y-COORD (M)   CONC   (YYMMDDHH)
 -
- -
        602766.91   4130103.30   0.00007 (17112019)   602766.91
 4130153.30   0.00008 (17112019)
        602816.91   4130053.30   0.00007 (17111620)   602816.91
 4130103.30   0.00007 (17032823)
        602816.91   4130153.30   0.00008 (17112019)   602816.91
 4130203.30   0.00010 (17112019)
        602866.91   4130003.30   0.00007 (17010906)   602866.91
 4130053.30   0.00008 (17111620)
        602866.91   4130103.30   0.00008 (17111620)   602866.91
 4130153.30   0.00009 (17032823)
        602866.91   4130203.30   0.00010 (17112019)   602866.91
 4130253.30   0.00013 (17112019)
        602916.91   4129953.30   0.00006 (17102521)   602916.91
 4130003.30   0.00007 (17010906)
        602916.91   4130053.30   0.00008 (17010906)   602916.91
 4130103.30   0.00009 (17010906)
        602916.91   4130153.30   0.00011 (17111620)   602916.91
 4130203.30   0.00011 (17111620)
        602916.91   4130253.30   0.00013 (17112019)   602966.91
 4129953.30   0.00007 (17121923)
        602966.91   4130003.30   0.00007 (17121923)   602966.91
 4130053.30   0.00008 (17121923)
        602966.91   4130103.30   0.00010 (17010906)   602966.91
 4130153.30   0.00012 (17010906)
        602966.91   4130203.30   0.00013 (17111620)   602966.91
 4130253.30   0.00015 (17111620)
        602966.91   4130303.30   0.00018 (17112019)   603016.91
 4129953.30   0.00006 (17111619)
        603016.91   4130003.30   0.00007 (17112423)   603016.91
 4130053.30   0.00009 (17112423)
        603016.91   4130103.30   0.00010 (17112423)   603016.91
 4130153.30   0.00011 (17121923)
        603016.91   4130203.30   0.00014 (17010906)   603016.91
 4130253.30   0.00018 (17010906)
        603016.91   4130303.30   0.00022 (17111620)   603066.91

```
 4129953.30        0.00007  (17122623)
       603066.91   4130003.30        0.00008  (17122623)               603066.91
 4130053.30        0.00009  (17111619)
       603066.91   4130103.30        0.00010  (17111619)               603066.91
 4130153.30        0.00012  (17111619)
       603066.91   4130203.30        0.00015  (17112423)               603066.91
 4130253.30        0.00019  (17112423)
       603116.91   4129953.30        0.00007  (17111122)               603116.91
 4130003.30        0.00008  (17111122)
       603116.91   4130053.30        0.00009  (17111122)               603116.91
 4130103.30        0.00010  (17111122)
       603116.91   4130153.30        0.00012  (17111122)               603116.91
 4130203.30        0.00015  (17111122)
       603116.91   4130253.30        0.00018  (17122623)               603166.91
 4129953.30        0.00007  (17011721)
       603166.91   4130003.30        0.00007  (17011721)               603166.91
 4130053.30        0.00008  (17011721)
       603166.91   4130103.30        0.00010  (17111324)               603166.91
 4130153.30        0.00012  (17111324)
       603166.91   4130203.30        0.00016  (17111324)               603216.91
 4129953.30        0.00008  (17111324)
       603216.91   4130003.30        0.00009  (17111324)               603216.91
 4130053.30        0.00010  (17111324)
       603216.91   4130103.30        0.00012  (17111324)               603216.91
 4130153.30        0.00014  (17112220)
       603216.91   4130203.30        0.00017  (17112220)               603216.91
 4130253.30        0.00021  (17112402)
       603266.91   4129953.30        0.00008  (17112220)               603266.91
 4130003.30        0.00009  (17112220)
       603266.91   4130053.30        0.00010  (17112220)               603266.91
 4130103.30        0.00011  (17112402)
       603266.91   4130153.30        0.00013  (17112402)               603266.91
 4130203.30        0.00016  (17112222)
       603316.91   4129953.30        0.00008  (17112402)               603316.91
 4130003.30        0.00009  (17112402)
       603316.91   4130053.30        0.00009  (17112402)               603316.91
 4130103.30        0.00011  (17112222)
       603316.91   4130153.30        0.00012  (17112222)               603366.91
 4129953.30        0.00007  (17112222)
       603366.91   4130003.30        0.00008  (17112222)               603366.91
 4130053.30        0.00009  (17112222)
       603366.91   4130103.30        0.00010  (17011119)               603416.91
 4129953.30        0.00007  (17112222)
       603416.91   4130003.30        0.00007  (17122317)               603466.91
 4129953.30        0.00006  (17122317)
 *** AERMOD - VERSION 23132  ***   *** C:\LAKES\AERMOD VIEW\36_TULLY RD\36_TULLY
RD.ISC                      ***        07/26/24
 *** AERMET - VERSION  18081 ***   ***
                       ***       14:01:13
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*** MODELOPTs: RegDFAULT CONC ELEV FLGPOL URBAN ADJ_U*

*** THE 1ST HIGHEST 1-HR AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: ALL ***
INCLUDING SOURCE(S): L0000001 , L0000002 , L0000003 , L0000004 , L0000005 , L0000006 , L0000007 , L0000008 , PAREA1 ,

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

** CONC OF PM_10 IN MICROGRAMS/M**3 **

X-COORD (M)	Y-COORD (M)	CONC	(YYMMDDHH)	X-COORD (M)	Y-COORD (M)	CONC	(YYMMDDHH)
603308.27	4130247.67	0.00016	(17120217)	603308.27	4130297.67	0.00019	(17122419)
603358.27	4130197.67	0.00012	(17121720)	603358.27	4130247.67	0.00014	(17122419)
603358.27	4130297.67	0.00016	(17121922)	603358.27	4130347.67	0.00019	(17121604)
603358.27	4130397.67	0.00021	(17122420)	603408.27	4130097.67	0.00009	(17120217)
603408.27	4130147.67	0.00010	(17112406)	603408.27	4130197.67	0.00011	(17122419)
603408.27	4130247.67	0.00012	(17121922)	603408.27	4130297.67	0.00014	(17122819)
603408.27	4130347.67	0.00016	(17112408)	603408.27	4130397.67	0.00017	(17112024)
603408.27	4130447.67	0.00017	(17091001)	603458.27	4130047.67	0.00008	(17121720)
603458.27	4130097.67	0.00008	(17112406)	603458.27	4130147.67	0.00009	(17122419)
603458.27	4130197.67	0.00010	(17111624)	603458.27	4130247.67	0.00011	(17122418)
603458.27	4130297.67	0.00012	(17112408)	603458.27	4130347.67	0.00013	(17010504)
603458.27	4130397.67	0.00014	(17112620)	603458.27	4130447.67	0.00014	(17091001)
603458.27	4130497.67	0.00013	(17112022)	603508.27	4129997.67	0.00007	(17121720)
603508.27	4130047.67	0.00007	(17112406)	603508.27	4130097.67	0.00008	(17122419)
603508.27	4130147.67	0.00008	(17111624)	603508.27	4130197.67	0.00009	(17122418)
603508.27	4130247.67	0.00010	(17122819)	603508.27			

```
4130297.67        0.00011  (17112408)
       603508.27   4130347.67        0.00011  (17122420)                603508.27
4130397.67        0.00012  (17112620)
       603508.27   4130447.67        0.00012  (17120118)                603508.27
4130497.67        0.00011  (17112221)
       603508.27   4130547.67        0.00011  (17112108)                603558.27
4129997.67        0.00006  (17112406)
       603558.27   4130047.67        0.00007  (17122419)                603558.27
4130097.67        0.00007  (17111624)
       603558.27   4130147.67        0.00008  (17122818)                603558.27
4130197.67        0.00008  (17122819)
       603558.27   4130247.67        0.00009  (17112408)                603558.27
4130297.67        0.00009  (17121418)
       603558.27   4130347.67        0.00010  (17122420)                603558.27
4130397.67        0.00011  (17112620)
       603558.27   4130447.67        0.00010  (17120118)                603558.27
4130497.67        0.00010  (17112221)
       603558.27   4130547.67        0.00010  (17112108)                603558.27
4130597.67        0.00010  (17112122)
       603608.27   4129997.67        0.00006  (17122419)                603608.27
4130047.67        0.00006  (17111624)
       603608.27   4130097.67        0.00007  (17122818)                603608.27
4130147.67        0.00007  (17122418)
       603608.27   4130197.67        0.00007  (17122819)                603608.27
4130247.67        0.00008  (17112408)
       603608.27   4130297.67        0.00008  (17121418)                603608.27
4130347.67        0.00009  (17112024)
       603608.27   4130397.67        0.00009  (17112620)                603608.27
4130447.67        0.00009  (17120118)
       603608.27   4130497.67        0.00008  (17112221)                603608.27
4130547.67        0.00009  (17120221)
       603608.27   4130597.67        0.00009  (17112122)                603658.27
4129997.67        0.00006  (17111624)
       603658.27   4130047.67        0.00006  (17122818)                603658.27
4130097.67        0.00006  (17122418)
       603658.27   4130147.67        0.00007  (17122819)                603658.27
4130197.67        0.00007  (17112408)
       603658.27   4130247.67        0.00007  (17112408)                603658.27
4130297.67        0.00008  (17122420)
       603658.27   4130347.67        0.00008  (17112024)                603658.27
4130397.67        0.00008  (17112620)
       603658.27   4130447.67        0.00008  (17120118)                603658.27
4130497.67        0.00008  (17120118)
       603658.27   4130547.67        0.00008  (17120221)                603658.27
4130597.67        0.00008  (17121119)
       602640.57   4130170.66        0.00007  (17112420)                602640.57
4130220.66        0.00007  (17122023)
       602640.57   4130270.66        0.00007  (17122720)                602640.57
4130320.66        0.00007  (17112905)
 *** AERMOD - VERSION 23132  ***   *** C:\LAKES\AERMOD VIEW\36_TULLY RD\36_TULLY
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*** MODELOPTs: RegDFAULT CONC ELEV FLGPOL URBAN ADJ_U*

*** THE 1ST HIGHEST 1-HR AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: ALL ***
INCLUDING SOURCE(S): L0000001 , L0000002 , L0000003 , L0000004 , L0000005 , L0000006 , L0000007 , L0000008 , PAREA1 ,

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

** CONC OF PM_10 IN MICROGRAMS/M**3 **

X-COORD (M)	Y-COORD (M)	CONC	(YYMMDDHH)	X-COORD (M)	Y-COORD (M)	CONC	(YYMMDDHH)
602640.57	4130370.66	0.00007	(17011501)	602640.57	4130420.66	0.00007	(17122724)
602640.57	4130470.66	0.00007	(17112305)	602640.57	4130520.66	0.00007	(17121924)
602640.57	4130570.66	0.00007	(17112502)	602640.57	4130620.66	0.00007	(18010102)
602640.57	4130670.66	0.00008	(18010102)	602640.57	4130720.66	0.00007	(17012923)
602640.57	4130770.66	0.00007	(17111705)	602640.57	4130820.66	0.00007	(17110123)
602640.57	4130870.66	0.00006	(17112505)	602640.57	4130920.66	0.00006	(17010701)
602690.57	4130220.66	0.00008	(17112420)	602690.57	4130270.66	0.00008	(17122720)
602690.57	4130320.66	0.00008	(17122720)	602690.57	4130370.66	0.00008	(17112905)
602690.57	4130420.66	0.00008	(17111801)	602690.57	4130470.66	0.00008	(17112305)
602690.57	4130520.66	0.00008	(17121924)	602690.57	4130570.66	0.00008	(17112502)
602690.57	4130620.66	0.00008	(18010102)	602690.57	4130670.66	0.00008	(17110205)
602690.57	4130720.66	0.00008	(17112224)	602690.57	4130770.66	0.00007	(17112005)
602690.57	4130820.66	0.00007	(17122924)	602690.57	4130870.66	0.00007	(17112505)
602690.57	4130920.66	0.00006	(17112302)	602740.57			

4130220.66 0.00009 (17112420)
602740.57 4130270.66 0.00009 (17122023) 602740.57
4130320.66 0.00009 (17122720)
602740.57 4130370.66 0.00009 (17112905) 602740.57
4130420.66 0.00009 (17111801)
602740.57 4130470.66 0.00009 (17112305) 602740.57
4130520.66 0.00009 (17011805)
602740.57 4130570.66 0.00009 (17112502) 602740.57
4130620.66 0.00010 (18010102)
602740.57 4130670.66 0.00009 (17112224) 602740.57
4130720.66 0.00009 (17111705)
602740.57 4130770.66 0.00008 (17011723) 602740.57
4130820.66 0.00008 (17112505)
602740.57 4130870.66 0.00007 (17112204) 602790.57
4130270.66 0.00011 (17112420)
602790.57 4130320.66 0.00011 (17122720) 602790.57
4130370.66 0.00011 (17112905)
602790.57 4130420.66 0.00011 (17111123) 602790.57
4130470.66 0.00011 (17112305)
602790.57 4130520.66 0.00010 (17011805) 602790.57
4130570.66 0.00011 (17122404)
602790.57 4130620.66 0.00011 (17112507) 602790.57
4130670.66 0.00011 (17112224)
602790.57 4130720.66 0.00010 (17111507) 602790.57
4130770.66 0.00009 (17112505)
602790.57 4130820.66 0.00008 (17112204) 602840.57
4130320.66 0.00012 (17122023)
602840.57 4130370.66 0.00013 (17122720) 602840.57
4130420.66 0.00013 (17111123)
602840.57 4130470.66 0.00013 (17112305) 602840.57
4130520.66 0.00012 (17120106)
602840.57 4130570.66 0.00014 (17122404) 602840.57
4130620.66 0.00013 (17112224)
602840.57 4130670.66 0.00012 (17122901) 602840.57
4130720.66 0.00011 (17112505)
602840.57 4130770.66 0.00010 (17112204) 602890.57
4130370.66 0.00016 (17122720)
602890.57 4130420.66 0.00016 (17011501) 602890.57
4130470.66 0.00016 (17112305)
602890.57 4130520.66 0.00015 (17112502) 602890.57
4130570.66 0.00017 (17112507)
602890.57 4130620.66 0.00016 (17111705) 602890.57
4130670.66 0.00014 (17112505)
602940.57 4130520.66 0.00021 (17122404) 602940.57
4130570.66 0.00022 (17112224)
602940.57 4130620.66 0.00019 (17121220) 602754.62
4130958.49 0.00006 (17120619)
602804.62 4130858.49 0.00008 (17112503) 602804.62
4130908.49 0.00007 (17121423)
602804.62 4130958.49 0.00007 (17112203) 602854.62

*** THE 1ST HIGHEST 1-HR AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: ALL ***
INCLUDING SOURCE(S): L0000001 , L0000002 , L0000003 , L0000004 , L0000005 , L0000006 , L0000007 , L0000008 , PAREA1 ,

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

** CONC OF PM_10 IN MICROGRAMS/M**3 **

X-COORD (M)	Y-COORD (M)	CONC	(YYMMDDHH)	X-COORD (M)	Y-COORD (M)	CONC	(YYMMDDHH)
602854.62	4130958.49	0.00007	(17120921)	602904.62	4130758.49	0.00012	(17122509)
602904.62	4130808.49	0.00010	(17013124)	602904.62	4130858.49	0.00009	(17112921)
602904.62	4130908.49	0.00009	(17110103)	602904.62	4130958.49	0.00008	(17111622)
602954.62	4130708.49	0.00016	(17122509)	602954.62	4130758.49	0.00013	(17112921)
602954.62	4130808.49	0.00012	(17110103)	602954.62	4130858.49	0.00010	(17111622)
602954.62	4130908.49	0.00009	(17111622)	602954.62	4130958.49	0.00008	(17111921)
603004.62	4130658.49	0.00021	(17122509)	603004.62	4130708.49	0.00018	(17111508)
603004.62	4130758.49	0.00015	(17111622)	603004.62	4130808.49	0.00013	(17011722)
603004.62	4130858.49	0.00011	(17112001)	603004.62	4130908.49	0.00010	(17112001)
603004.62	4130958.49	0.00009	(17112001)	603054.62	4130658.49	0.00025	(17111503)
603054.62	4130708.49	0.00020	(17110124)	603054.62	4130758.49	0.00016	(17112001)
603054.62	4130808.49	0.00014	(17111422)	603054.62			

4130858.49 0.00012 (17112103)
603054.62 4130908.49 0.00010 (17112103) 603054.62
4130958.49 0.00009 (17112103)
603104.62 4130708.49 0.00022 (17112102) 603104.62
4130758.49 0.00018 (17110122)
603104.62 4130808.49 0.00015 (17111024) 603104.62
4130858.49 0.00013 (17111024)
603104.62 4130908.49 0.00011 (17111024) 603104.62
4130958.49 0.00010 (17111024)
603154.62 4130708.49 0.00024 (17112322) 603154.62
4130758.49 0.00019 (17112322)
603154.62 4130808.49 0.00016 (17112322) 603154.62
4130858.49 0.00013 (17112322)
603154.62 4130908.49 0.00011 (17112223) 603154.62
4130958.49 0.00010 (17112223)
603204.62 4130708.49 0.00026 (17112301) 603204.62
4130758.49 0.00020 (17123119)
603204.62 4130808.49 0.00017 (17112508) 603204.62
4130858.49 0.00014 (17112508)
603204.62 4130908.49 0.00012 (17112508) 603204.62
4130958.49 0.00010 (17112508)
603254.62 4130658.49 0.00032 (17122320) 603254.62
4130708.49 0.00027 (17112301)
603254.62 4130758.49 0.00022 (17112301) 603254.62
4130808.49 0.00018 (17112301)
603254.62 4130858.49 0.00015 (17112301) 603254.62
4130908.49 0.00012 (17111018)
603254.62 4130958.49 0.00011 (17120519) 603304.62
4130758.49 0.00022 (17121420)
603304.62 4130908.49 0.00013 (17112301) 603304.62
4130958.49 0.00011 (17112301)
603354.62 4130908.49 0.00012 (17112301) 603354.62
4130958.49 0.00011 (17112301)
603005.81 4130339.02 0.00024 (17112019) 603005.81
4130359.02 0.00028 (17112019)
603025.81 4130359.02 0.00029 (17112019) 603025.81
4130379.02 0.00034 (17112019)
603045.81 4130359.02 0.00031 (17111620) 603045.81
4130379.02 0.00036 (17112019)
603065.81 4130359.02 0.00036 (17111620) 603065.81
4130379.02 0.00041 (17111620)
603085.81 4130359.02 0.00038 (17010906) 603105.81
4130339.02 0.00034 (17112423)
603105.81 4130359.02 0.00041 (17112423) 603105.81
4130379.02 0.00050 (17112423)
603125.81 4130339.02 0.00033 (17111619) 603125.81
4130359.02 0.00040 (17111619)
603125.81 4130379.02 0.00050 (17111619) 603145.81
4130359.02 0.00040 (17111324)
603145.81 4130379.02 0.00050 (17111324) 603035.25

*** THE 1ST HIGHEST 1-HR AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: ALL ***
INCLUDING SOURCE(S): L0000001 , L0000002 , L0000003 , L0000004 , L0000005 ,
L0000006 , L0000007 , L0000008 , PAREA1 ,

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

** CONC OF PM_10 IN MICROGRAMS/M**3 **

X-COORD (M)	Y-COORD (M)	CONC	(YYMMDDHH)	X-COORD (M)	Y-COORD (M)	CONC	(YYMMDDHH)
603095.25	4130287.16	0.00022	(17112423)	603095.25	4130307.16	0.00026	(17112423)
603115.25	4130287.16	0.00023	(17111619)	603135.25	4130287.16	0.00022	(17111122)
603135.25	4130307.16	0.00025	(17111122)	603155.25	4130287.16	0.00024	(17111324)
603155.25	4130307.16	0.00028	(17111324)	603155.25	4130327.16	0.00033	(17111324)
603175.25	4130287.16	0.00026	(17111324)	603175.25	4130307.16	0.00030	(17111324)
603175.25	4130327.16	0.00034	(17112220)	603175.25	4130347.16	0.00040	(17112220)
602962.66	4130491.49	0.00023	(17121924)	602962.66	4130511.49	0.00024	(17122404)
602962.66	4130531.49	0.00026	(17122404)	602962.66	4130551.49	0.00025	(17110205)
602982.66	4130511.49	0.00029	(17122404)	602982.66	4130531.49	0.00030	(17112507)
602982.66	4130551.49	0.00029	(17112224)	602982.66			

4130571.49 0.00027 (17111506)
603002.66 4130531.49 0.00035 (17111824) 603002.66
4130551.49 0.00032 (17111506)
603235.59 4130440.48 0.00058 (17010504) 603235.59
4130460.48 0.00061 (17082103)
603255.59 4130320.48 0.00025 (17120217) 603255.59
4130340.48 0.00028 (17091204)
603255.59 4130420.48 0.00043 (17010504) 603255.59
4130440.48 0.00046 (17010419)
603255.59 4130460.48 0.00048 (17091001) 603255.59
4130480.48 0.00045 (17112221)
603275.59 4130320.48 0.00023 (17091204) 603275.59
4130340.48 0.00026 (17111624)
603275.59 4130360.48 0.00028 (17011305) 603275.59
4130380.48 0.00031 (17122819)
603275.59 4130400.48 0.00034 (17121604) 603275.59
4130420.48 0.00038 (17010504)
603275.59 4130440.48 0.00040 (17010419) 603275.59
4130460.48 0.00039 (17091001)
603275.59 4130480.48 0.00037 (17112221) 603275.59
4130500.48 0.00038 (17112205)
603295.59 4130340.48 0.00024 (17011305) 603295.59
4130360.48 0.00026 (17122819)
603295.59 4130380.48 0.00028 (17121604) 603295.59
4130400.48 0.00030 (17010504)
603295.59 4130420.48 0.00032 (17010504) 603295.59
4130440.48 0.00034 (17010419)
603295.59 4130460.48 0.00033 (17091001) 603295.59
4130480.48 0.00032 (17112221)
603295.59 4130500.48 0.00032 (17110202) 603295.59
4130520.48 0.00033 (17111402)
603315.59 4130360.48 0.00024 (17122819) 603315.59
4130380.48 0.00025 (17121604)
603315.59 4130400.48 0.00027 (17010504) 603315.59
4130420.48 0.00028 (17122420)
603315.59 4130440.48 0.00030 (17112620) 603315.59
4130460.48 0.00029 (17091001)
603315.59 4130480.48 0.00027 (17112221) 603315.59
4130500.48 0.00028 (17112107)
603315.59 4130520.48 0.00028 (17111402) 603335.59
4130380.48 0.00023 (17112408)
603335.59 4130420.48 0.00025 (17112620) 603335.59
4130440.48 0.00026 (17112620)
603335.59 4130460.48 0.00025 (17091001) 603335.59
4130480.48 0.00024 (17112221)
603355.59 4130440.48 0.00023 (17112620) 603355.59
4130460.48 0.00022 (17091001)
603025.04 4130593.30 0.00031 (17122509) 603025.04
4130613.30 0.00029 (17122509)
603045.04 4130613.30 0.00030 (17120108) 603045.04

4130633.30 0.00028 (17111508)
603065.04 4130613.30 0.00034 (17111508) 603065.04
4130633.30 0.00030 (17111508)
603085.04 4130633.30 0.00032 (17110124) 603085.04
4130653.30 0.00028 (17100107)
603105.04 4130653.30 0.00030 (17112403) 603125.04
4130653.30 0.00032 (17122922)
603145.04 4130633.30 0.00038 (17112322) 603145.04
4130653.30 0.00033 (17112322)
603165.04 4130613.30 0.00049 (17112508) 603165.04
4130633.30 0.00041 (17112508)
↑ *** AERMOD - VERSION 23132 *** *** C:\LAKES\AERMOD VIEW\36_TULLY RD\36_TULLY RD.ISC *** 07/26/24
*** AERMET - VERSION 18081 *** *** *** 14:01:13

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*** MODELOPTs: RegDFAULT CONC ELEV FLGPOL URBAN ADJ_U*

*** THE 1ST HIGHEST 1-HR AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: ALL ***
INCLUDING SOURCE(S): L0000001 , L0000002 , L0000003 , L0000004 , L0000005 ,
L0000006 , L0000007 , L0000008 , PAREA1 ,

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

** CONC OF PM_10 IN MICROGRAMS/M**3 **

X-COORD (M) Y-COORD (M) CONC (YYMMDDHH) X-COORD (M) Y-COORD (M) CONC (YYMMDDHH)
- - - -

4130406.41 0.00021 (17122720)
602942.39 4130426.41 0.00021 (17011501) 602942.39
4130446.41 0.00021 (17111123)
602962.39 4130386.41 0.00023 (17112420) 602962.39
4130406.41 0.00024 (17122720)
602962.39 4130426.41 0.00024 (17011501) 602962.39
4130446.41 0.00024 (17111123)
602962.39 4130466.41 0.00024 (17112908) 602982.39
4130406.41 0.00027 (17122720)
602982.39 4130426.41 0.00027 (17122503) 602982.39
4130446.41 0.00028 (17111123)
602982.39 4130466.41 0.00028 (17112908) 602982.39
4130486.41 0.00027 (17113008)
603002.39 4130426.41 0.00032 (17122720) 603002.39
4130446.41 0.00032 (17111123)
603002.39 4130466.41 0.00032 (17112908) 603002.39
4130486.41 0.00032 (17113008)
603002.39 4130506.41 0.00034 (17122404) 603022.39
4130446.41 0.00039 (17112902)
603022.39 4130466.41 0.00039 (17112908) 603022.39
4130486.41 0.00038 (17122606)
603022.39 4130506.41 0.00042 (17122404) 603042.39
4130466.41 0.00049 (17112724)
603042.39 4130486.41 0.00048 (17122606) 603042.39
4130506.41 0.00053 (17111824)
603062.39 4130466.41 0.00059 (17112202) 603073.49
4130393.01 0.00046 (17111620)
603073.49 4130413.01 0.00058 (17112019) 603093.49
4130393.01 0.00056 (17111620)
603093.49 4130413.01 0.00067 (17121218) 603093.49
4130433.01 0.00083 (17120718)
603113.49 4130393.01 0.00061 (17112423) 603113.49
4130413.01 0.00081 (17123124)
603084.25 4130509.77 0.00074 (17102221) 603084.25
4130529.77 0.00065 (17032907)
603104.25 4130509.77 0.00093 (17120604) 603104.25
4130529.77 0.00079 (17092807)
603104.25 4130549.77 0.00065 (17092807) 603124.25
4130529.77 0.00088 (18010101)
603170.74 4130474.71 0.00247 (17071205) 603170.74
4130494.71 0.00199 (17052103)
603190.74 4130474.71 0.00132 (17071205) 603190.74
4130494.71 0.00121 (17111402)
603190.74 4130514.71 0.00091 (17111101) 603210.74
4130494.71 0.00088 (17111402)
603210.74 4130514.71 0.00072 (17121605) 603210.74
4130534.71 0.00063 (17111101)
603230.74 4130494.71 0.00063 (17111402) 603230.74
4130514.71 0.00055 (17011622)
603230.74 4130534.71 0.00052 (17121605) 603230.74

```
 4130554.71         0.00043  (17121120)
       603250.74   4130514.71         0.00050  (17111402)                603250.74
 4130534.71         0.00043  (17093024)
       603250.74   4130554.71         0.00037  (17112007)                603270.74
 4130534.71         0.00039  (17011622)
       603270.74   4130554.71         0.00036  (17013120)                603290.74
 4130534.71         0.00034  (17111402)
       603348.17   4130591.19         0.00026  (17013120)                603348.17
 4130641.19         0.00030  (17112020)
       603398.17   4130541.19         0.00018  (17112122)                603398.17
 4130591.19         0.00019  (17120119)
       603398.17   4130641.19         0.00024  (17013120)                603448.17
 4130541.19         0.00014  (17112122)
       603448.17   4130591.19         0.00015  (17112018)                603448.17
 4130641.19         0.00017  (17112023)
 *** AERMOD - VERSION 23132  ***   *** C:\LAKES\AERMOD VIEW\36_TULLY RD\36_TULLY
RD.ISC                      ***         07/26/24
 *** AERMET - VERSION  18081 ***   ***
                         ***         14:01:13

                                     PAGE  29
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  FLGPOL  URBAN  ADJ_U*

                                *** THE   1ST HIGHEST  1-HR AVERAGE CONCENTRATION
VALUES FOR SOURCE GROUP:  ALL      ***
                                   INCLUDING SOURCE(S):     L0000001    , L0000002
 , L0000003    , L0000004    , L0000005    ,
                 L0000006    , L0000007    , L0000008    , PAREA1      ,

                                          *** DISCRETE CARTESIAN RECEPTOR POINTS
***

                                        ** CONC OF PM_10    IN MICROGRAMS/M**3
                   **

      X-COORD (M)  Y-COORD (M)        CONC     (YYMMDDHH)              X-COORD (M)
Y-COORD (M)        CONC     (YYMMDDHH)
 - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
- - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
       603498.17   4130591.19         0.00013  (17112018)                603498.17
 4130641.19         0.00014  (17112023)
       603548.17   4130641.19         0.00012  (17112018)                603206.05
 4130384.23         0.00048  (17101519)
       603206.05   4130404.23         0.00057  (17091204)                603206.05
 4130424.23         0.00069  (17090903)
       603206.05   4130444.23         0.00082  (17010504)                603226.05
 4130384.23         0.00042  (17091204)
       603226.05   4130404.23         0.00049  (17080224)                603226.05
 4130424.23         0.00058  (17121604)
       603246.05   4130384.23         0.00038  (17080224)                603246.05
```

*** MODELOPTs: RegDFAULT CONC ELEV FLGPOL URBAN ADJ_U*

*** THE SUMMARY OF MAXIMUM ANNUAL RESULTS AVERAGED OVER 1 YEARS ***

** CONC OF PM_10 IN MICROGRAMS/M**3 **

GROUP ID	NETWORK AVERAGE CONC	RECEPTOR (XR, YR, ZELEV, ZHILL, ZFLAG)	OF TYPE	GRID-ID
ALL	1ST HIGHEST VALUE IS	0.00028 AT (603170.74, 4130474.71, 39.01, 39.01, 1.50)	DC	
	2ND HIGHEST VALUE IS	0.00015 AT (603190.74, 4130474.71, 39.02, 39.02, 1.50)	DC	
	3RD HIGHEST VALUE IS	0.00013 AT (603206.05, 4130444.23, 39.32, 39.32, 1.50)	DC	
	4TH HIGHEST VALUE IS	0.00011 AT (603104.25, 4130509.77, 38.71, 38.71, 1.50)	DC	
	5TH HIGHEST VALUE IS	0.00011 AT (603170.74, 4130494.71, 39.00, 39.00, 1.50)	DC	
	6TH HIGHEST VALUE IS	0.00010 AT (603206.05, 4130424.23,		

39.32,   39.32,   1.50) DC
          7TH HIGHEST VALUE IS   0.00010 AT (603084.25, 4130509.77,
38.71,   38.71,   1.50) DC
          8TH HIGHEST VALUE IS   0.00009 AT (603210.74, 4130494.71,
39.09,   39.09,   1.50) DC
          9TH HIGHEST VALUE IS   0.00009 AT (603226.05, 4130424.23,
39.32,   39.32,   1.50) DC
         10TH HIGHEST VALUE IS   0.00009 AT (603084.25, 4130529.77,
38.71,   38.71,   1.50) DC

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

 *** MODELOPTs: RegDFAULT CONC ELEV FLGPOL URBAN ADJ_U*

                                                *** THE SUMMARY OF HIGHEST 1-HR
RESULTS ***

                                   ** CONC OF PM_10   IN MICROGRAMS/M**3
              **

                                                        DATE
                                        NETWORK
GROUP ID   AVERAGE CONC   (YYMMDDHH)   RECEPTOR
(XR, YR, ZELEV, ZHILL, ZFLAG)   OF TYPE GRID-ID
- - - -

*** MODELOPTs: RegDFAULT CONC ELEV FLGPOL URBAN ADJ_U*

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

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

A Total of   0 Fatal Error Message(s)
A Total of   3 Warning Message(s)
A Total of   194 Informational Message(s)

A Total of   8784 Hours Were Processed

A Total of   52 Calm Hours Identified

A Total of   142 Missing Hours Identified (1.62 Percent)

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

   ********   WARNING MESSAGES   ********
ME W186   608   MEOPEN: THRESH_1MIN 1-min ASOS wind speed threshold used
     0.50
ME W187   608   MEOPEN: ADJ_U* Option for Stable Low Winds used in AERMET

MX W481   8785   MAIN: Data Remaining After End of Year. Number of Hours=
       24

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

*HARP - HRACalc v22118 7/26/2024 1:00:19 PM - Cancer Risk - Input File: C:\Users\brishea\OneDrive - Stantec\Desktop\harp results\tully rd_deliv truck_MEIR_HRAInput.hra

INDEX	GRP1	GRP2	POLID	POLABBREV	CONC	RISK_SUM	SCENARIO	DETAILS	INH_RISK	
1	MEIR		9901	DieselExhPM	8.00E-05	6.92E-08	30YrCancerDerived_Inh_FAH16to70	*	6.92E-08	
										0.07

*HARP - HRACalc v22118 7/26/2024 1:01:55 PM - Cancer Risk - Input File: C:\Users\brishea\OneDrive - Stantec\Desktop\harp results\tully rd_deliv truck_MEIW_HRAInput.hra

INDEX	GRP1	GRP2	POLID	POLABBREV	CONC	RISK_SUM	SCENARIO	DETAILS	INH_RISK
1			9901	DieselExhPM	0.00028	1.7329e-08	25YrCancerDerived_InhSoilDerm	*	1.7329e-08

```
**
**************************************
**
** AERMOD Input Produced by:
** AERMOD View Ver. 12.0.0
** Lakes Environmental Software Inc.
** Date: 7/26/2024
** File: C:\Lakes\AERMOD View\36_tully rd_GDF_0_base model\36
_tully rd.ADI
**
**************************************
**
**
**************************************
** AERMOD Control Pathway
**************************************
**
**
CO STARTING
   TITLEONE C:\Lakes\AERMOD View\36_tully rd\36_tully rd.isc
   MODELOPT DFAULT CONC
   AVERTIME 1 ANNUAL
   URBANOPT 1010000 San_Jose
   POLLUTID OTHER
   FLAGPOLE 1.50
   RUNORNOT RUN
   ERRORFIL "36_tully rd.err"
CO FINISHED
**
**************************************
** AERMOD Source Pathway
**************************************
**
**
SO STARTING
** Source Location **
** Source ID - Type - X Coord. - Y Coord. **
   LOCATION LOAD         POINT      603133.513  4130473.128
38.920
   LOCATION BREATH       POINT      603133.513  4130473.128
38.920
   LOCATION REFUEL       VOLUME     603135.180  4130470.720
38.930
   LOCATION SPILL        VOLUME     603135.180  4130470.720
38.930
** Source Parameters **
   SRCPARAM LOAD              1.0     3.660   291.000   0.00035
0.0508
   SRCPARAM BREATH            1.0     3.660   289.000  0.000106
0.0508
   SRCPARAM REFUEL            1.0     1.000     3.020     1.860
   SRCPARAM SPILL             1.0     0.000     3.020     1.860
```

```
   URBANSRC ALL
   SRCGROUP ALL
SO FINISHED
**
****************************************
** AERMOD Receptor Pathway
****************************************
**
**
RE STARTING
   INCLUDED "36_tully rd.rou"
RE FINISHED
**
****************************************
** AERMOD Meteorology Pathway
****************************************
**
**
ME STARTING
** Surface File Path: C:\Lakes\AERMOD View\36_tully rd_GDF_0_base
model\San Jose Intl Airport (KSJC)\
   SURFFILE "San Jose Intl Airport (KSJC)\KSJC_2017.SFC"
** Profile File Path: C:\Lakes\AERMOD View\36_tully rd_GDF_0_base
model\San Jose Intl Airport (KSJC)\
   PROFFILE "San Jose Intl Airport (KSJC)\KSJC_2017.PFL"
   SURFDATA 23293 2017 San_Jose_Airport
   UAIRDATA 23230 2017 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 "C:\Lakes\AERMOD View\36_tully rd_GDF_0
_base model\36_tully rd.AD\01H1GALL.PLT" 31
   PLOTFILE ANNUAL ALL "C:\Lakes\AERMOD View\36_tully rd_GDF_0
_base model\36_tully rd.AD\AN00GALL.PLT" 32
   SUMMFILE "C:\Lakes\AERMOD View\36_tully rd_GDF_0_base model\36
_tully rd.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
**
```

```
**
**************************************
**
** AERMOD Input Produced by:
** AERMOD View Ver. 12.0.0
** Lakes Environmental Software Inc.
** Date: 7/23/2024
** File: C:\Lakes\AERMOD View\36_tully rd_GDF_2_breathing\36
_tully rd.ADI
**
**************************************
**
**
**************************************
** AERMOD Control Pathway
**************************************
**
**
CO STARTING
   TITLEONE C:\Lakes\AERMOD View\36_tully rd\36_tully rd.isc
   MODELOPT DFAULT CONC
   AVERTIME 1 ANNUAL
   URBANOPT 1010000 San_Jose
   POLLUTID OTHER
   FLAGPOLE 1.50
   RUNORNOT RUN
   ERRORFIL "36_tully rd.err"
CO FINISHED
**
**************************************
** AERMOD Source Pathway
**************************************
**
**
SO STARTING
** Source Location **
** Source ID - Type - X Coord. - Y Coord. **
   LOCATION BREATH       POINT      603133.513  4130473.128
38.920
** Source Parameters **
   SRCPARAM BREATH            1.0     3.660   289.000  0.000106
0.0508
   URBANSRC ALL
   SRCGROUP ALL
SO FINISHED
**
**************************************
** AERMOD Receptor Pathway
**************************************
**
**
RE STARTING
```

```
   INCLUDED "36_tully rd.rou"
RE FINISHED
**
**************************************
** AERMOD Meteorology Pathway
**************************************
**
**
ME STARTING
   SURFFILE "San Jose Intl Airport (KSJC)\KSJC_2017.SFC"
   PROFFILE "San Jose Intl Airport (KSJC)\KSJC_2017.PFL"
   SURFDATA 23293 2017 San_Jose_Airport
   UAIRDATA 23230 2017 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 "36_tully rd.AD\01H1GALL.PLT" 31
   PLOTFILE ANNUAL ALL "36_tully rd.AD\AN00GALL.PLT" 32
   SUMMFILE "36_tully rd.sum"
OU FINISHED


  *** Message Summary For AERMOD Model Setup ***

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

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


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


    ********   WARNING MESSAGES   ********
 ME W186      64       MEOPEN: THRESH_1MIN 1-min ASOS wind speed
threshold used           0.50
 ME W187      64       MEOPEN: ADJ_U* Option for Stable Low Winds
used in AERMET

 ***********************************
 *** SETUP Finishes Successfully ***
```

****

```
 *** AERMOD - VERSION 23132  ***   *** C:\Lakes\AERMOD View\36
_tully rd\36_tully rd.isc                    ***        07/23/24
 *** AERMET - VERSION  18081 ***   ***
***        08:49:07

PAGE   1
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  FLGPOL  URBAN  ADJ_U*

                                              ***     MODEL SETUP
OPTIONS SUMMARY       ***
 - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
- - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -

 ** Model Options Selected:
      * Model Uses Regulatory DEFAULT Options
      * Model Is Setup For Calculation of Average CONCentration
Values.
      * NO GAS DEPOSITION Data Provided.
      * NO PARTICLE DEPOSITION Data Provided.
      * Model Uses NO DRY DEPLETION. DDPLETE  =  F
      * Model Uses NO WET DEPLETION. WETDPLT  =  F
      * Stack-tip Downwash.
      * Model Accounts for ELEVated Terrain Effects.
      * Use Calms Processing Routine.
      * Use Missing Data Processing Routine.
      * No Exponential Decay.
      * Model Uses URBAN Dispersion Algorithm for the SBL for
1 Source(s),
        for Total of    1 Urban Area(s):
   Urban Population =   1010000.0 ;  Urban Roughness Length =
1.000 m
      * Urban Roughness Length of 1.0 Meter Used.
      * ADJ_U*   - Use ADJ_U* option for SBL in AERMET
      * CCVR_Sub - Meteorological data includes CCVR
substitutions
      * TEMP_Sub - Meteorological data includes TEMP
substitutions
      * Model Accepts FLAGPOLE Receptor . Heights.
      * The User Specified a Pollutant Type of: OTHER

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

 **This Run Includes:      1 Source(s);       1 Source Group(s);
and     508 Receptor(s)

                 with:      1 POINT(s), including
                            0 POINTCAP(s) and      0 POINTHOR(s)
                  and:      0 VOLUME source(s)
                  and:      0 AREA type source(s)
                  and:      0 LINE source(s)
                  and:      0 RLINE/RLINEXT source(s)
```

```
                and:      0 OPENPIT source(s)
                and:      0 BUOYANT LINE source(s) with a total
of     0 line(s)
                and:      0 SWPOINT source(s)


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

 **The AERMET Input Meteorological Data Version Date:  18081

 **Output Options Selected:
          Model Outputs Tables of ANNUAL Averages by Receptor
          Model Outputs Tables of Highest Short Term Values by
Receptor (RECTABLE Keyword)
          Model Outputs External File(s) of High Values for
Plotting (PLOTFILE Keyword)
          Model Outputs Separate Summary File of High Ranked
Values (SUMMFILE Keyword)

 **NOTE:  The Following Flags May Appear Following CONC Values:
c for Calm Hours

m for Missing Hours

b for Both Calm and Missing Hours

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

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

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

 **Detailed Error/Message File:   36_tully rd.err
 **File for Summary of Results:   36_tully rd.sum
```

*** MODELOPTs: RegDFAULT CONC ELEV FLGPOL URBAN ADJ_U*

*** POINT SOURCE DATA ***

STACK SOURCE ID	STACK HEIGHT (METERS)	STACK TEMP. (DEG.K)	NUMBER PART. CATS.	EMISSION RATE (GRAMS/SEC)	STACK EXIT VEL. (M/SEC)	STACK DIAMETER (METERS)	BLDG EXISTS	URBAN SOURCE	X (METERS)	Y (METERS)	BASE ELEV. (METERS)	CAP/ HOR VARY BY	EMIS RATE SCALAR
BREATH	3.66	289.00	0	0.10000E+01	0.00	0.05	NO	YES	603133.5	4130473.1	38.9	NO	

*** MODELOPTs: RegDFAULT CONC ELEV FLGPOL URBAN ADJ_U*

*** SOURCE IDs DEFINING SOURCE GROUPS ***

SRCGROUP ID	SOURCE IDs
ALL	BREATH ,

*** MODELOPTs: RegDFAULT CONC ELEV FLGPOL URBAN ADJ_U*

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

URBAN ID	URBAN POP	SOURCE IDs
1	1010000.	BREATH ,

*** MODELOPTs: RegDFAULT CONC ELEV FLGPOL URBAN ADJ_U*

*** DISCRETE CARTESIAN RECEPTORS ***

(X-COORD, Y-COORD, ZELEV, ZHILL, ZFLAG)

(METERS)

(602766.9, 4130103.3, 40.7, 40.7, 1.5);
(602766.9, 4130153.3, 40.3, 40.3, 1.5);
(602816.9, 4130053.3, 40.9, 40.9, 1.5);
(602816.9, 4130103.3, 40.7, 40.7, 1.5);
(602816.9, 4130153.3, 40.4, 40.4, 1.5);
(602816.9, 4130203.3, 40.0, 40.0, 1.5);
(602866.9, 4130003.3, 41.1, 41.1, 1.5);
(602866.9, 4130053.3, 40.9, 40.9, 1.5);
(602866.9, 4130103.3, 40.6, 40.6, 1.5);
(602866.9, 4130153.3, 40.2, 40.2, 1.5);
(602866.9, 4130203.3, 40.0, 40.0, 1.5);
(602866.9, 4130253.3, 39.8, 39.8, 1.5);
(602916.9, 4129953.3, 41.3, 41.3, 1.5);
(602916.9, 4130003.3, 41.1, 41.1, 1.5);
(602916.9, 4130053.3, 40.8, 40.8, 1.5);
(602916.9, 4130103.3, 40.5, 40.5, 1.5);
(602916.9, 4130153.3, 40.2, 40.2, 1.5);
(602916.9, 4130203.3, 40.0, 40.0, 1.5);
(602916.9, 4130253.3, 39.7, 39.7, 1.5);
(602966.9, 4129953.3, 41.3, 41.3, 1.5);
(602966.9, 4130003.3, 41.1, 41.1, 1.5);
(602966.9, 4130053.3, 40.8, 40.8, 1.5);
(602966.9, 4130103.3, 40.5, 40.5, 1.5);
(602966.9, 4130153.3, 40.2, 40.2, 1.5);
(602966.9, 4130203.3, 39.9, 39.9, 1.5);
(602966.9, 4130253.3, 39.6, 39.6, 1.5);
(602966.9, 4130303.3, 39.3, 39.3, 1.5);
(603016.9, 4129953.3, 41.3, 41.3, 1.5);
(603016.9, 4130003.3, 41.1, 41.1, 1.5);
(603016.9, 4130053.3, 40.8, 40.8, 1.5);
(603016.9, 4130103.3, 40.5, 40.5, 1.5);
(603016.9, 4130153.3, 40.2, 40.2, 1.5);
(603016.9, 4130203.3, 39.9, 39.9, 1.5);
(603016.9, 4130253.3, 39.6, 39.6, 1.5);
(603016.9, 4130303.3, 39.3, 39.3, 1.5);
(603066.9, 4129953.3, 41.1, 41.1, 1.5);
(603066.9, 4130003.3, 41.1, 41.1, 1.5);

```
( 603066.9, 4130053.3,      40.8,      40.8,       1.5);
     ( 603066.9, 4130103.3,      40.5,      40.5,       1.5);
( 603066.9, 4130153.3,      40.2,      40.2,       1.5);
     ( 603066.9, 4130203.3,      39.7,      39.7,       1.5);
( 603066.9, 4130253.3,      39.6,      39.6,       1.5);
     ( 603116.9, 4129953.3,      41.1,      41.1,       1.5);
( 603116.9, 4130003.3,      41.1,      41.1,       1.5);
     ( 603116.9, 4130053.3,      40.8,      40.8,       1.5);
( 603116.9, 4130103.3,      40.5,      40.5,       1.5);
     ( 603116.9, 4130153.3,      40.2,      40.2,       1.5);
( 603116.9, 4130203.3,      39.9,      39.9,       1.5);
     ( 603116.9, 4130253.3,      39.6,      39.6,       1.5);
( 603166.9, 4129953.3,      41.1,      41.1,       1.5);
     ( 603166.9, 4130003.3,      41.1,      41.1,       1.5);
( 603166.9, 4130053.3,      40.8,      40.8,       1.5);
     ( 603166.9, 4130103.3,      40.5,      40.5,       1.5);
( 603166.9, 4130153.3,      40.2,      40.2,       1.5);
     ( 603166.9, 4130203.3,      39.9,      39.9,       1.5);
( 603216.9, 4129953.3,      41.1,      41.1,       1.5);
     ( 603216.9, 4130003.3,      40.8,      40.8,       1.5);
( 603216.9, 4130053.3,      40.7,      40.7,       1.5);
     ( 603216.9, 4130103.3,      40.5,      40.5,       1.5);
( 603216.9, 4130153.3,      40.2,      40.2,       1.5);
     ( 603216.9, 4130203.3,      40.0,      40.0,       1.5);
( 603216.9, 4130253.3,      39.8,      39.8,       1.5);
     ( 603266.9, 4129953.3,      41.1,      41.1,       1.5);
( 603266.9, 4130003.3,      40.8,      40.8,       1.5);
     ( 603266.9, 4130053.3,      40.6,      40.6,       1.5);
( 603266.9, 4130103.3,      40.5,      40.5,       1.5);
     ( 603266.9, 4130153.3,      40.3,      40.3,       1.5);
( 603266.9, 4130203.3,      40.2,      40.2,       1.5);
     ( 603316.9, 4129953.3,      41.1,      41.1,       1.5);
( 603316.9, 4130003.3,      40.8,      40.8,       1.5);
     ( 603316.9, 4130053.3,      40.6,      40.6,       1.5);
( 603316.9, 4130103.3,      40.5,      40.5,       1.5);
     ( 603316.9, 4130153.3,      40.5,      40.5,       1.5);
( 603366.9, 4129953.3,      41.0,      41.0,       1.5);
     ( 603366.9, 4130003.3,      40.8,      40.8,       1.5);
( 603366.9, 4130053.3,      40.7,      40.7,       1.5);
     ( 603366.9, 4130103.3,      40.5,      40.5,       1.5);
( 603416.9, 4129953.3,      41.0,      41.0,       1.5);
     ( 603416.9, 4130003.3,      40.8,      40.8,       1.5);
( 603466.9, 4129953.3,      41.1,      41.1,       1.5);
     ( 603308.3, 4130247.7,      40.1,      40.1,       1.5);
( 603308.3, 4130297.7,      39.9,      39.9,       1.5);
     ( 603358.3, 4130197.7,      40.3,      40.3,       1.5);
( 603358.3, 4130247.7,      40.2,      40.2,       1.5);
     ( 603358.3, 4130297.7,      40.0,      40.0,       1.5);
( 603358.3, 4130347.7,      39.9,      39.9,       1.5);
     ( 603358.3, 4130397.7,      39.9,      39.9,       1.5);
( 603408.3, 4130097.7,      40.5,      40.5,       1.5);
     ( 603408.3, 4130147.7,      40.5,      40.5,       1.5);
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( 603408.3, 4130197.7,      40.3,      40.3,       1.5);
```

*** MODELOPTs: RegDFAULT CONC ELEV FLGPOL URBAN ADJ_U*

*** DISCRETE CARTESIAN RECEPTORS ***

(X-COORD, Y-COORD, ZELEV, ZHILL, ZFLAG)

(METERS)

(603408.3, 4130247.7, 40.2, 40.2, 1.5);
(603408.3, 4130297.7, 40.2, 40.2, 1.5);
(603408.3, 4130347.7, 40.2, 40.2, 1.5);
(603408.3, 4130397.7, 39.9, 39.9, 1.5);
(603408.3, 4130447.7, 39.9, 39.9, 1.5);
(603458.3, 4130047.7, 40.8, 40.8, 1.5);
(603458.3, 4130097.7, 40.6, 40.6, 1.5);
(603458.3, 4130147.7, 40.5, 40.5, 1.5);
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(603458.3, 4130397.7, 40.2, 40.2, 1.5);
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(603508.3, 4130197.7, 40.5, 40.5, 1.5);
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(603508.3, 4130347.7, 40.2, 40.2, 1.5);
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(603558.3, 4130097.7, 40.8, 40.8, 1.5);
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(603558.3, 4130197.7, 40.6, 40.6, 1.5);
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(603558.3, 4130297.7, 40.5, 40.5, 1.5);
(603558.3, 4130347.7, 40.3, 40.3, 1.5);
(603558.3, 4130397.7, 40.2, 40.2, 1.5);
(603558.3, 4130447.7, 40.2, 40.2, 1.5);

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( 603558.3, 4130597.7,      39.6,      39.6,       1.5);
     ( 603608.3, 4129997.7,      41.1,      41.1,       1.5);
( 603608.3, 4130047.7,      41.0,      41.0,       1.5);
     ( 603608.3, 4130097.7,      40.9,      40.9,       1.5);
( 603608.3, 4130147.7,      40.8,      40.8,       1.5);
     ( 603608.3, 4130197.7,      40.8,      40.8,       1.5);
( 603608.3, 4130247.7,      40.8,      40.8,       1.5);
     ( 603608.3, 4130297.7,      40.5,      40.5,       1.5);
( 603608.3, 4130347.7,      40.5,      40.5,       1.5);
     ( 603608.3, 4130397.7,      40.3,      40.3,       1.5);
( 603608.3, 4130447.7,      40.2,      40.2,       1.5);
     ( 603608.3, 4130497.7,      40.1,      40.1,       1.5);
( 603608.3, 4130547.7,      39.9,      39.9,       1.5);
     ( 603608.3, 4130597.7,      39.6,      39.6,       1.5);
( 603658.3, 4129997.7,      41.4,      41.4,       1.5);
     ( 603658.3, 4130047.7,      41.2,      41.2,       1.5);
( 603658.3, 4130097.7,      41.1,      41.1,       1.5);
     ( 603658.3, 4130147.7,      41.1,      41.1,       1.5);
( 603658.3, 4130197.7,      40.9,      40.9,       1.5);
     ( 603658.3, 4130247.7,      40.8,      40.8,       1.5);
( 603658.3, 4130297.7,      40.8,      40.8,       1.5);
     ( 603658.3, 4130347.7,      40.5,      40.5,       1.5);
( 603658.3, 4130397.7,      40.5,      40.5,       1.5);
     ( 603658.3, 4130447.7,      40.5,      40.5,       1.5);
( 603658.3, 4130497.7,      40.3,      40.3,       1.5);
     ( 603658.3, 4130547.7,      40.3,      40.3,       1.5);
( 603658.3, 4130597.7,      40.0,      40.0,       1.5);
     ( 602640.6, 4130170.7,      40.5,      40.5,       1.5);
( 602640.6, 4130220.7,      40.2,      40.2,       1.5);
     ( 602640.6, 4130270.7,      39.9,      39.9,       1.5);
( 602640.6, 4130320.7,      39.6,      39.6,       1.5);
     ( 602640.6, 4130370.7,      39.3,      39.3,       1.5);
( 602640.6, 4130420.7,      39.0,      39.0,       1.5);
     ( 602640.6, 4130470.7,      38.8,      38.8,       1.5);
( 602640.6, 4130520.7,      38.5,      38.5,       1.5);
     ( 602640.6, 4130570.7,      38.1,      38.1,       1.5);
( 602640.6, 4130620.7,      38.0,      38.0,       1.5);
     ( 602640.6, 4130670.7,      37.8,      37.8,       1.5);
( 602640.6, 4130720.7,      37.8,      37.8,       1.5);
     ( 602640.6, 4130770.7,      37.5,      37.5,       1.5);
( 602640.6, 4130820.7,      37.5,      37.5,       1.5);
     ( 602640.6, 4130870.7,      37.2,      37.2,       1.5);
( 602640.6, 4130920.7,      36.9,      36.9,       1.5);
     ( 602690.6, 4130220.7,      40.1,      40.1,       1.5);
( 602690.6, 4130270.7,      39.9,      39.9,       1.5);
     ( 602690.6, 4130320.7,      39.4,      39.4,       1.5);
( 602690.6, 4130370.7,      39.3,      39.3,       1.5);
     ( 602690.6, 4130420.7,      39.0,      39.0,       1.5);
( 602690.6, 4130470.7,      38.7,      38.7,       1.5);
     ( 602690.6, 4130520.7,      38.4,      38.4,       1.5);
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( 602690.6, 4130570.7,      38.1,      38.1,       1.5);
```

*** MODELOPTs: RegDFAULT CONC ELEV FLGPOL URBAN ADJ_U*

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

(METERS)

(602690.6, 4130620.7, 37.8, 37.8, 1.5);
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(602690.6, 4130770.7, 37.5, 37.5, 1.5);
(602690.6, 4130820.7, 37.5, 37.5, 1.5);
(602690.6, 4130870.7, 37.2, 37.2, 1.5);
(602690.6, 4130920.7, 36.9, 36.9, 1.5);
(602740.6, 4130220.7, 39.9, 39.9, 1.5);
(602740.6, 4130270.7, 39.6, 39.6, 1.5);
(602740.6, 4130320.7, 39.5, 39.5, 1.5);
(602740.6, 4130370.7, 39.2, 39.2, 1.5);
(602740.6, 4130420.7, 39.0, 39.0, 1.5);
(602740.6, 4130470.7, 38.7, 38.7, 1.5);
(602740.6, 4130520.7, 38.4, 38.4, 1.5);
(602740.6, 4130570.7, 38.1, 38.1, 1.5);
(602740.6, 4130620.7, 37.8, 37.8, 1.5);
(602740.6, 4130670.7, 37.8, 37.8, 1.5);
(602740.6, 4130720.7, 37.8, 37.8, 1.5);
(602740.6, 4130770.7, 37.5, 37.5, 1.5);
(602740.6, 4130820.7, 37.5, 37.5, 1.5);
(602740.6, 4130870.7, 37.2, 37.2, 1.5);
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(602790.6, 4130320.7, 39.6, 39.6, 1.5);
(602790.6, 4130370.7, 39.2, 39.2, 1.5);
(602790.6, 4130420.7, 39.0, 39.0, 1.5);
(602790.6, 4130470.7, 38.7, 38.7, 1.5);
(602790.6, 4130520.7, 38.4, 38.4, 1.5);
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(602840.6, 4130320.7, 39.6, 39.6, 1.5);
(602840.6, 4130370.7, 39.2, 39.2, 1.5);
(602840.6, 4130420.7, 39.0, 39.0, 1.5);
(602840.6, 4130470.7, 38.7, 38.7, 1.5);

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( 602840.6, 4130520.7,      38.3,      38.3,       1.5);
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( 602840.6, 4130620.7,      37.8,      37.8,       1.5);
     ( 602840.6, 4130670.7,      37.8,      37.8,       1.5);
( 602840.6, 4130720.7,      37.8,      37.8,       1.5);
     ( 602840.6, 4130770.7,      37.5,      37.5,       1.5);
( 602890.6, 4130370.7,      39.2,      39.2,       1.5);
     ( 602890.6, 4130420.7,      39.0,      39.0,       1.5);
( 602890.6, 4130470.7,      38.7,      38.7,       1.5);
     ( 602890.6, 4130520.7,      38.4,      38.4,       1.5);
( 602890.6, 4130570.7,      38.1,      38.1,       1.5);
     ( 602890.6, 4130620.7,      38.0,      38.0,       1.5);
( 602890.6, 4130670.7,      37.8,      37.8,       1.5);
     ( 602940.6, 4130520.7,      38.4,      38.4,       1.5);
( 602940.6, 4130570.7,      38.1,      38.1,       1.5);
     ( 602940.6, 4130620.7,      38.1,      38.1,       1.5);
( 602754.6, 4130958.5,      36.9,      36.9,       1.5);
     ( 602804.6, 4130858.5,      37.3,      37.3,       1.5);
( 602804.6, 4130908.5,      37.2,      37.2,       1.5);
     ( 602804.6, 4130958.5,      37.1,      37.1,       1.5);
( 602854.6, 4130808.5,      37.5,      37.5,       1.5);
     ( 602854.6, 4130858.5,      37.3,      37.3,       1.5);
( 602854.6, 4130908.5,      37.2,      37.2,       1.5);
     ( 602854.6, 4130958.5,      37.2,      37.2,       1.5);
( 602904.6, 4130758.5,      37.7,      37.7,       1.5);
     ( 602904.6, 4130808.5,      37.5,      37.5,       1.5);
( 602904.6, 4130858.5,      37.5,      37.5,       1.5);
     ( 602904.6, 4130908.5,      37.4,      37.4,       1.5);
( 602904.6, 4130958.5,      37.2,      37.2,       1.5);
     ( 602954.6, 4130708.5,      37.8,      37.8,       1.5);
( 602954.6, 4130758.5,      37.8,      37.8,       1.5);
     ( 602954.6, 4130808.5,      37.5,      37.5,       1.5);
( 602954.6, 4130858.5,      37.5,      37.5,       1.5);
     ( 602954.6, 4130908.5,      37.5,      37.5,       1.5);
( 602954.6, 4130958.5,      37.4,      37.4,       1.5);
     ( 603004.6, 4130658.5,      38.1,      38.1,       1.5);
( 603004.6, 4130708.5,      37.8,      37.8,       1.5);
     ( 603004.6, 4130758.5,      37.8,      37.8,       1.5);
( 603004.6, 4130808.5,      37.8,      37.8,       1.5);
     ( 603004.6, 4130858.5,      37.6,      37.6,       1.5);
( 603004.6, 4130908.5,      37.5,      37.5,       1.5);
     ( 603004.6, 4130958.5,      37.5,      37.5,       1.5);
( 603054.6, 4130658.5,      38.1,      38.1,       1.5);
     ( 603054.6, 4130708.5,      38.1,      38.1,       1.5);
( 603054.6, 4130758.5,      38.0,      38.0,       1.5);
     ( 603054.6, 4130808.5,      37.8,      37.8,       1.5);
( 603054.6, 4130858.5,      37.8,      37.8,       1.5);
     ( 603054.6, 4130908.5,      37.7,      37.7,       1.5);
( 603054.6, 4130958.5,      37.5,      37.5,       1.5);
     ( 603104.6, 4130708.5,      38.3,      38.3,       1.5);
( 603104.6, 4130758.5,      38.1,      38.1,       1.5);
     ( 603104.6, 4130808.5,      38.1,      38.1,       1.5);
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( 603104.6, 4130858.5,      37.8,      37.8,       1.5);
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*** MODELOPTs: RegDFAULT CONC ELEV FLGPOL URBAN ADJ_U*

*** DISCRETE CARTESIAN RECEPTORS ***

(X-COORD, Y-COORD, ZELEV, ZHILL, ZFLAG)

(METERS)

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(603154.6, 4130758.5, 38.3, 38.3, 1.5);
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(603204.6, 4130758.5, 38.4, 38.4, 1.5);
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(603254.6, 4130708.5, 38.7, 38.7, 1.5);
(603254.6, 4130758.5, 38.6, 38.6, 1.5);
(603254.6, 4130808.5, 38.4, 38.4, 1.5);
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(603254.6, 4130908.5, 38.1, 38.1, 1.5);
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(603354.6, 4130958.5, 38.1, 38.1, 1.5);
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(603005.8, 4130359.0, 39.0, 39.0, 1.5);
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(603065.8, 4130379.0, 39.0, 39.0, 1.5);
(603085.8, 4130359.0, 39.0, 39.0, 1.5);
(603105.8, 4130339.0, 39.3, 39.3, 1.5);
(603105.8, 4130359.0, 39.2, 39.2, 1.5);

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( 603105.8, 4130379.0,      39.1,      39.1,       1.5);
     ( 603125.8, 4130339.0,      39.3,      39.3,       1.5);
( 603125.8, 4130359.0,      39.3,      39.3,       1.5);
     ( 603125.8, 4130379.0,      39.2,      39.2,       1.5);
( 603145.8, 4130359.0,      39.3,      39.3,       1.5);
     ( 603145.8, 4130379.0,      39.3,      39.3,       1.5);
( 603035.2, 4130307.2,      39.3,      39.3,       1.5);
     ( 603035.2, 4130327.2,      39.3,      39.3,       1.5);
( 603055.2, 4130307.2,      39.3,      39.3,       1.5);
     ( 603055.2, 4130327.2,      39.3,      39.3,       1.5);
( 603075.2, 4130287.2,      39.4,      39.4,       1.5);
     ( 603075.2, 4130307.2,      39.3,      39.3,       1.5);
( 603075.2, 4130327.2,      39.3,      39.3,       1.5);
     ( 603095.2, 4130287.2,      39.4,      39.4,       1.5);
( 603095.2, 4130307.2,      39.3,      39.3,       1.5);
     ( 603115.2, 4130287.2,      39.4,      39.4,       1.5);
( 603135.2, 4130287.2,      39.4,      39.4,       1.5);
     ( 603135.2, 4130307.2,      39.3,      39.3,       1.5);
( 603155.2, 4130287.2,      39.5,      39.5,       1.5);
     ( 603155.2, 4130307.2,      39.4,      39.4,       1.5);
( 603155.2, 4130327.2,      39.3,      39.3,       1.5);
     ( 603175.2, 4130287.2,      39.6,      39.6,       1.5);
( 603175.2, 4130307.2,      39.5,      39.5,       1.5);
     ( 603175.2, 4130327.2,      39.3,      39.3,       1.5);
( 603175.2, 4130347.2,      39.3,      39.3,       1.5);
     ( 602962.7, 4130491.5,      38.6,      38.6,       1.5);
( 602962.7, 4130511.5,      38.4,      38.4,       1.5);
     ( 602962.7, 4130531.5,      38.4,      38.4,       1.5);
( 602962.7, 4130551.5,      38.2,      38.2,       1.5);
     ( 602982.7, 4130511.5,      38.6,      38.6,       1.5);
( 602982.7, 4130531.5,      38.4,      38.4,       1.5);
     ( 602982.7, 4130551.5,      38.3,      38.3,       1.5);
( 602982.7, 4130571.5,      38.3,      38.3,       1.5);
     ( 603002.7, 4130531.5,      38.5,      38.5,       1.5);
( 603002.7, 4130551.5,      38.4,      38.4,       1.5);
     ( 603235.6, 4130440.5,      39.3,      39.3,       1.5);
( 603235.6, 4130460.5,      39.3,      39.3,       1.5);
     ( 603255.6, 4130320.5,      39.6,      39.6,       1.5);
( 603255.6, 4130340.5,      39.6,      39.6,       1.5);
     ( 603255.6, 4130420.5,      39.5,      39.5,       1.5);
( 603255.6, 4130440.5,      39.4,      39.4,       1.5);
     ( 603255.6, 4130460.5,      39.3,      39.3,       1.5);
( 603255.6, 4130480.5,      39.3,      39.3,       1.5);
     ( 603275.6, 4130320.5,      39.8,      39.8,       1.5);
( 603275.6, 4130340.5,      39.7,      39.7,       1.5);
     ( 603275.6, 4130360.5,      39.6,      39.6,       1.5);
( 603275.6, 4130380.5,      39.6,      39.6,       1.5);
     ( 603275.6, 4130400.5,      39.6,      39.6,       1.5);
( 603275.6, 4130420.5,      39.6,      39.6,       1.5);
     ( 603275.6, 4130440.5,      39.5,      39.5,       1.5);
( 603275.6, 4130460.5,      39.4,      39.4,       1.5);
     ( 603275.6, 4130480.5,      39.4,      39.4,       1.5);
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( 603275.6, 4130500.5,      39.4,      39.4,       1.5);
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*** MODELOPTs: RegDFAULT CONC ELEV FLGPOL URBAN ADJ_U*

*** DISCRETE CARTESIAN RECEPTORS ***

(X-COORD, Y-COORD, ZELEV, ZHILL, ZFLAG)

(METERS)

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(603295.6, 4130420.5, 39.6, 39.6, 1.5);
(603295.6, 4130440.5, 39.6, 39.6, 1.5);
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(603295.6, 4130480.5, 39.6, 39.6, 1.5);
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(603045.0, 4130633.3, 38.3, 38.3, 1.5);
(603065.0, 4130613.3, 38.4, 38.4, 1.5);
(603065.0, 4130633.3, 38.4, 38.4, 1.5);
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(603085.0, 4130653.3, 38.4, 38.4, 1.5);
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(603125.0, 4130653.3, 38.5, 38.5, 1.5);
(603145.0, 4130633.3, 38.7, 38.7, 1.5);

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( 603165.0, 4130633.3,      38.7,      38.7,       1.5);
     ( 603165.0, 4130653.3,      38.7,      38.7,       1.5);
( 603185.0, 4130593.3,      38.8,      38.8,       1.5);
     ( 603185.0, 4130613.3,      38.8,      38.8,       1.5);
( 603185.0, 4130633.3,      38.8,      38.8,       1.5);
     ( 603185.0, 4130653.3,      38.7,      38.7,       1.5);
( 603205.0, 4130593.3,      39.0,      39.0,       1.5);
     ( 603205.0, 4130613.3,      39.0,      39.0,       1.5);
( 603205.0, 4130633.3,      38.9,      38.9,       1.5);
     ( 603205.0, 4130653.3,      38.8,      38.8,       1.5);
( 603225.0, 4130613.3,      39.0,      39.0,       1.5);
     ( 603225.0, 4130633.3,      39.0,      39.0,       1.5);
( 603245.0, 4130633.3,      39.0,      39.0,       1.5);
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( 602922.4, 4130426.4,      38.9,      38.9,       1.5);
     ( 602942.4, 4130386.4,      39.0,      39.0,       1.5);
( 602942.4, 4130406.4,      39.0,      39.0,       1.5);
     ( 602942.4, 4130426.4,      38.9,      38.9,       1.5);
( 602942.4, 4130446.4,      38.8,      38.8,       1.5);
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( 602962.4, 4130406.4,      39.0,      39.0,       1.5);
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( 602962.4, 4130446.4,      39.0,      39.0,       1.5);
     ( 602962.4, 4130466.4,      38.8,      38.8,       1.5);
( 602982.4, 4130406.4,      39.0,      39.0,       1.5);
     ( 602982.4, 4130426.4,      39.0,      39.0,       1.5);
( 602982.4, 4130446.4,      39.0,      39.0,       1.5);
     ( 602982.4, 4130466.4,      38.8,      38.8,       1.5);
( 602982.4, 4130486.4,      38.7,      38.7,       1.5);
     ( 603002.4, 4130426.4,      39.0,      39.0,       1.5);
( 603002.4, 4130446.4,      39.0,      39.0,       1.5);
     ( 603002.4, 4130466.4,      38.8,      38.8,       1.5);
( 603002.4, 4130486.4,      38.7,      38.7,       1.5);
     ( 603002.4, 4130506.4,      38.7,      38.7,       1.5);
( 603022.4, 4130446.4,      39.0,      39.0,       1.5);
     ( 603022.4, 4130466.4,      38.8,      38.8,       1.5);
( 603022.4, 4130486.4,      38.7,      38.7,       1.5);
     ( 603022.4, 4130506.4,      38.7,      38.7,       1.5);
( 603042.4, 4130466.4,      38.8,      38.8,       1.5);
     ( 603042.4, 4130486.4,      38.7,      38.7,       1.5);
( 603042.4, 4130506.4,      38.7,      38.7,       1.5);
     ( 603062.4, 4130466.4,      38.6,      38.6,       1.5);
( 603073.5, 4130393.0,      39.0,      39.0,       1.5);
     ( 603073.5, 4130413.0,      39.0,      39.0,       1.5);
( 603093.5, 4130393.0,      39.0,      39.0,       1.5);
     ( 603093.5, 4130413.0,      39.0,      39.0,       1.5);
( 603093.5, 4130433.0,      38.8,      38.8,       1.5);
     ( 603113.5, 4130393.0,      39.0,      39.0,       1.5);
( 603113.5, 4130413.0,      39.0,      39.0,       1.5);
     ( 603084.2, 4130509.8,      38.7,      38.7,       1.5);
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( 603084.2, 4130529.8,      38.7,      38.7,       1.5);
```

*** MODELOPTs: RegDFAULT CONC ELEV FLGPOL URBAN ADJ_U*

*** DISCRETE CARTESIAN RECEPTORS ***

(X-COORD, Y-COORD, ZELEV, ZHILL, ZFLAG)

(METERS)

(603104.2, 4130509.8, 38.7, 38.7, 1.5);
(603104.2, 4130529.8, 38.7, 38.7, 1.5);
(603104.2, 4130549.8, 38.7, 38.7, 1.5);
(603124.2, 4130529.8, 38.7, 38.7, 1.5);
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(603190.7, 4130474.7, 39.0, 39.0, 1.5);
(603190.7, 4130494.7, 39.0, 39.0, 1.5);
(603190.7, 4130514.7, 39.0, 39.0, 1.5);
(603210.7, 4130494.7, 39.1, 39.1, 1.5);
(603210.7, 4130514.7, 39.1, 39.1, 1.5);
(603210.7, 4130534.7, 39.1, 39.1, 1.5);
(603230.7, 4130494.7, 39.3, 39.3, 1.5);
(603230.7, 4130514.7, 39.3, 39.3, 1.5);
(603230.7, 4130534.7, 39.3, 39.3, 1.5);
(603230.7, 4130554.7, 39.3, 39.3, 1.5);
(603250.7, 4130514.7, 39.3, 39.3, 1.5);
(603250.7, 4130534.7, 39.3, 39.3, 1.5);
(603250.7, 4130554.7, 39.3, 39.3, 1.5);
(603270.7, 4130534.7, 39.4, 39.4, 1.5);
(603270.7, 4130554.7, 39.4, 39.4, 1.5);
(603290.7, 4130534.7, 39.6, 39.6, 1.5);
(603348.2, 4130591.2, 39.6, 39.6, 1.5);
(603348.2, 4130641.2, 39.2, 39.2, 1.5);
(603398.2, 4130541.2, 39.6, 39.6, 1.5);
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(603206.1, 4130384.2, 39.3, 39.3, 1.5);
(603206.1, 4130404.2, 39.3, 39.3, 1.5);
(603206.1, 4130424.2, 39.3, 39.3, 1.5);
(603206.1, 4130444.2, 39.3, 39.3, 1.5);

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( 603226.1, 4130384.2,      39.3,      39.3,       1.5);
     ( 603226.1, 4130404.2,      39.3,      39.3,       1.5);
( 603226.1, 4130424.2,      39.3,      39.3,       1.5);
     ( 603246.1, 4130384.2,      39.5,      39.5,       1.5);
( 603246.1, 4130404.2,      39.4,      39.4,       1.5);
     ( 603096.0, 4130606.1,      38.5,      38.5,       1.5);
( 603096.0, 4130626.1,      38.4,      38.4,       1.5);
     ( 603116.0, 4130606.1,      38.6,      38.6,       1.5);
( 603116.0, 4130626.1,      38.4,      38.4,       1.5);
     ( 603116.0, 4130646.1,      38.4,      38.4,       1.5);
( 603136.0, 4130606.1,      38.7,      38.7,       1.5);
     ( 603136.0, 4130626.1,      38.6,      38.6,       1.5);
( 603094.8, 4130604.9,      38.5,      38.5,       0.0);
     ( 603094.8, 4130624.9,      38.4,      38.4,       0.0);
( 603114.8, 4130604.9,      38.6,      38.6,       0.0);
     ( 603114.8, 4130624.9,      38.4,      38.4,       0.0);
( 603114.8, 4130644.9,      38.4,      38.4,       0.0);
     ( 603134.8, 4130584.9,      38.7,      38.7,       0.0);
( 603134.8, 4130604.9,      38.7,      38.7,       0.0);
     ( 603154.8, 4130584.9,      38.8,      38.8,       0.0);
( 602703.6, 4130052.6,      40.9,      40.9,       1.5);
```

*** MODELOPTs: RegDFAULT CONC ELEV FLGPOL URBAN ADJ_U*

*** METEOROLOGICAL DAYS SELECTED FOR PROCESSING *** (1=YES; 0=NO)

```
            1 1 1 1 1 1 1 1 1 1   1 1 1 1 1 1 1 1 1 1   1 1 1 1 1
1 1 1 1 1   1 1 1 1 1 1 1 1 1 1   1 1 1 1 1 1 1 1 1 1
            1 1 1 1 1 1 1 1 1 1   1 1 1 1 1 1 1 1 1 1   1 1 1 1 1
1 1 1 1 1   1 1 1 1 1 1 1 1 1 1   1 1 1 1 1 1 1 1 1 1
            1 1 1 1 1 1 1 1 1 1   1 1 1 1 1 1 1 1 1 1   1 1 1 1 1
1 1 1 1 1   1 1 1 1 1 1 1 1 1 1   1 1 1 1 1 1 1 1 1 1
            1 1 1 1 1 1 1 1 1 1   1 1 1 1 1 1 1 1 1 1   1 1 1 1 1
1 1 1 1 1   1 1 1 1 1 1 1 1 1 1   1 1 1 1 1 1 1 1 1 1
            1 1 1 1 1 1 1 1 1 1   1 1 1 1 1 1 1 1 1 1   1 1 1 1 1
1 1 1 1 1   1 1 1 1 1 1 1 1 1 1   1 1 1 1 1 1 1 1 1 1
            1 1 1 1 1 1 1 1 1 1   1 1 1 1 1 1 1 1 1 1   1 1 1 1 1
1 1 1 1 1   1 1 1 1 1 1 1 1 1 1   1 1 1 1 1 1 1 1 1 1
            1 1 1 1 1 1 1 1 1 1   1 1 1 1 1 1 1 1 1 1   1 1 1 1 1
1 1 1 1 1   1 1 1 1 1 1 1 1 1 1   1 1 1 1 1 1 1 1 1 1
            1 1 1 1 1 1 1 1 1 1   1 1 1 1 1
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NOTE: METEOROLOGICAL DATA ACTUALLY PROCESSED WILL ALSO DEPEND ON WHAT IS INCLUDED IN THE DATA FILE.

*** UPPER BOUND OF FIRST THROUGH FIFTH WIND SPEED CATEGORIES ***

(METERS/SEC)

1.54, 3.09, 5.14, 8.23, 10.80,

*** MODELOPTs: RegDFAULT CONC ELEV FLGPOL URBAN ADJ_U*

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

Surface file: San Jose Intl Airport (KSJC)\KSJC_2017.SFC Met Version: 18081
Profile file: San Jose Intl Airport (KSJC)\KSJC_2017.PFL
Surface format: FREE
Profile format: FREE
Surface station no.: 23293 Upper air station no.: 23230
Name: SAN_JOSE_AIRPORT Name: OAKLAND/WSO_AP
Year: 2017 Year: 2017

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
17	01	01	1	01	-22.4	0.219	-9.000	-9.000	-999.	246.	52.9	0.02	0.68	1.00	3.36	121.	7.9	277.5	2.0
17	01	01	1	02	-12.5	0.138	-9.000	-9.000	-999.	125.	21.0	0.02	0.68	1.00	2.17	180.	7.9	278.1	2.0
17	01	01	1	03	-16.7	0.164	-9.000	-9.000	-999.	160.	29.6	0.02	0.68	1.00	2.55	137.	7.9	278.8	2.0
17	01	01	1	04	-17.5	0.172	-9.000	-9.000	-999.	172.	32.7	0.02	0.68	1.00	2.67	125.	7.9	279.2	2.0
17	01	01	1	05	-21.8	0.215	-9.000	-9.000	-999.	239.	50.6	0.02	0.68	1.00	3.29	122.	7.9	279.2	2.0
17	01	01	1	06	-15.2	0.153	-9.000	-9.000	-999.	145.	25.8	0.02	0.68	1.00	2.39	154.	7.9	279.9	2.0
17	01	01	1	07	-18.9	0.187	-9.000	-9.000	-999.	194.	38.3	0.02	0.68	1.00	2.88	124.	7.9	279.9	2.0
17	01	01	1	08	-17.7	0.175	-9.000	-9.000	-999.	176.	33.7	0.02	0.68	0.74	2.71	132.	7.9	279.9	2.0
17	01	01	1	09	5.8	0.168	0.369	0.005	314.	166.	-74.7	0.02	0.68	0.39	2.32	134.	7.9	280.9	2.0
17	01	01	1	10	35.9	0.138	0.923	0.018	792.	123.	-6.6	0.02	0.68	0.27	1.59	138.	7.9	282.0	2.0
17	01	01	1	11	59.1	0.123	1.168	0.019	974.	104.	-2.9	0.02	0.68	0.23	1.28	129.	7.9	284.2	2.0
17	01	01	1	12	72.0	0.252	1.293	0.020	1085.	304.	-20.1	0.02	0.68	0.21	3.34	280.	7.9	284.9	2.0

```
 17 01 01   1 13   87.9  0.389  1.384  0.019 1089.  582.    -60.3
0.05   0.68   0.21    4.65  263.    7.9  285.9    2.0
 17 01 01   1 14   65.5  0.353  1.256  0.019 1091.  504.    -60.5
0.05   0.68   0.22    4.22  270.    7.9  285.9    2.0
 17 01 01   1 15   46.1  0.403  1.118  0.018 1093.  613.   -128.0
0.05   0.68   0.25    4.97  244.    7.9  285.4    2.0
 17 01 01   1 16   18.2  0.370  0.820  0.018 1094.  542.   -252.7
0.02   0.68   0.33    5.44  281.    7.9  285.4    2.0
 17 01 01   1 17  -32.0  0.420 -9.000 -9.000 -999.  653.    209.2
0.02   0.68   0.57    6.43  279.    7.9  283.1    2.0
 17 01 01   1 18  -28.9  0.288 -9.000 -9.000 -999.  382.     91.1
0.05   0.68   1.00    3.85  243.    7.9  282.0    2.0
 17 01 01   1 19  -18.6  0.185 -9.000 -9.000 -999.  197.     37.6
0.05   0.68   1.00    2.52  246.    7.9  282.0    2.0
 17 01 01   1 20  -13.3  0.147 -9.000 -9.000 -999.  135.     23.7
0.05   0.68   1.00    2.03  225.    7.9  280.9    2.0
 17 01 01   1 21   -7.4  0.105 -9.000 -9.000 -999.   82.     14.3
0.02   0.68   1.00    1.69  116.    7.9  282.0    2.0
 17 01 01   1 22  -10.4  0.130 -9.000 -9.000 -999.  112.     19.0
0.05   0.68   1.00    1.76   94.    7.9  281.4    2.0
 17 01 01   1 23  -14.5  0.149 -9.000 -9.000 -999.  138.     24.5
0.02   0.68   1.00    2.33  133.    7.9  280.9    2.0
 17 01 01   1 24  -21.8  0.215 -9.000 -9.000 -999.  240.     51.0
0.02   0.68   1.00    3.30  114.    7.9  280.4    2.0


 First hour of profile data
 YR MO DY HR HEIGHT F  WDIR    WSPD AMB_TMP sigmaA  sigmaW
sigmaV
 17 01 01 01    7.9 1  121.    3.36   277.6
99.0  -99.00  -99.00

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

*** MODELOPTs: RegDFAULT CONC ELEV FLGPOL URBAN ADJ_U*

*** THE ANNUAL AVERAGE CONCENTRATION VALUES AVERAGED OVER 1 YEARS FOR SOURCE GROUP: ALL ***
INCLUDING SOURCE(S):
BREATH ,

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

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

X-COORD (M)	Y-COORD (M)	CONC	X-COORD (M)	Y-COORD (M)	CONC
602766.91	4130103.30	1.61671	602766.91	4130153.30	1.83132
602816.91	4130053.30	1.58603	602816.91	4130103.30	1.80836
602816.91	4130153.30	2.07567	602816.91	4130203.30	2.40282
602866.91	4130003.30	1.52491	602866.91	4130053.30	1.75009
602866.91	4130103.30	2.02559	602866.91	4130153.30	2.36526
602866.91	4130203.30	2.78749	602866.91	4130253.30	3.32214
602916.91	4129953.30	1.43666	602916.91	4130003.30	1.65329
602916.91	4130053.30	1.92289	602916.91	4130103.30	2.26265
602916.91	4130153.30	2.69560	602916.91	4130203.30	3.25335
602916.91	4130253.30	3.98309	602966.91	4129953.30	1.53040
602966.91	4130003.30	1.77907	602966.91	4130053.30	2.09619
602966.91	4130103.30	2.50851	602966.91	4130153.30	3.05599
602966.91	4130203.30	3.79526	602966.91	4130253.30	4.81829
602966.91	4130303.30	6.26705	603016.91	4129953.30	1.61865
603016.91	4130003.30	1.89808			

603016.91 4130053.30 2.26200
603016.91 4130103.30 2.74866
603016.91 4130153.30 3.42016
603016.91 4130203.30 4.37659
603016.91 4130253.30 5.80036
603016.91 4130303.30 8.01077
603066.91 4129953.30 1.70401
603066.91 4130003.30 2.01125
603066.91 4130053.30 2.41840
603066.91 4130103.30 2.97445
603066.91 4130153.30 3.76481
603066.91 4130203.30 4.94704
603066.91 4130253.30 6.81487
603116.91 4129953.30 1.79998
603116.91 4130003.30 2.13848
603116.91 4130053.30 2.59253
603116.91 4130103.30 3.22238
603116.91 4130153.30 4.13633
603116.91 4130203.30 5.53619
603116.91 4130253.30 7.86546
603166.91 4129953.30 1.93909
603166.91 4130003.30 2.32841
603166.91 4130053.30 2.86144
603166.91 4130103.30 3.62065
603166.91 4130153.30 4.76010
603166.91 4130203.30 6.59350
603216.91 4129953.30 2.15558
603216.91 4130003.30 2.63422
603216.91 4130053.30 3.30569
603216.91 4130103.30 4.29603
603216.91 4130153.30 5.84832
603216.91 4130203.30 8.47029
603216.91 4130253.30 13.37071
603266.91 4129953.30 2.45934
603266.91 4130003.30 3.05901
603266.91 4130053.30 3.91785
603266.91 4130103.30 5.19754
603266.91 4130153.30 7.21688
603266.91 4130203.30 10.57444
603316.91 4129953.30 2.82641
603316.91 4130003.30 3.55284
603316.91 4130053.30 4.58615
603316.91 4130103.30 6.09754
603316.91 4130153.30 8.39212
603366.91 4129953.30 3.20571
603366.91 4130003.30 4.02406
603366.91 4130053.30 5.15688
603366.91 4130103.30 6.75683
603416.91 4129953.30 3.53146
603416.91 4130003.30 4.38665
603466.91 4129953.30 3.76088

*** MODELOPTs: RegDFAULT CONC ELEV FLGPOL URBAN ADJ_U*

*** THE ANNUAL AVERAGE CONCENTRATION VALUES AVERAGED OVER 1 YEARS FOR SOURCE GROUP: ALL ***
INCLUDING SOURCE(S):
BREATH ,

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

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

X-COORD (M)	Y-COORD (M)	CONC	X-COORD (M)	Y-COORD (M)	CONC
603308.27	4130247.67	16.96926	603308.27	4130297.67	26.36860
603358.27	4130197.67	11.96938	603358.27	4130247.67	16.85573
603358.27	4130297.67	23.63051	603358.27	4130347.67	30.10946
603358.27	4130397.67	29.57132	603408.27	4130097.67	6.84532
603408.27	4130147.67	8.92236	603408.27	4130197.67	11.80241
603408.27	4130247.67	15.60977	603408.27	4130297.67	19.77083
603408.27	4130347.67	21.93259	603408.27	4130397.67	19.31179
603408.27	4130447.67	13.70306	603458.27	4130047.67	5.53392
603458.27	4130097.67	6.93389	603458.27	4130147.67	8.77010
603458.27	4130197.67	11.12351	603458.27	4130247.67	13.82281
603458.27	4130297.67	16.00127	603458.27	4130347.67	16.06676
603458.27	4130397.67	13.37316	603458.27	4130447.67	9.79356
603458.27	4130497.67	7.39361	603508.27	4129997.67	4.57065
603508.27	4130047.67	5.55783	603508.27	4130097.67	6.80443
603508.27	4130147.67	8.36305			

603508.27 4130197.67 10.17260
603508.27 4130247.67 11.89618
603508.27 4130297.67 12.77404
603508.27 4130347.67 11.99495
603508.27 4130397.67 9.75693
603508.27 4130447.67 7.37521
603508.27 4130497.67 5.80823
603508.27 4130547.67 4.91428
603558.27 4129997.67 4.56521
603558.27 4130047.67 5.45353
603558.27 4130097.67 6.53557
603558.27 4130147.67 7.79909
603558.27 4130197.67 9.10556
603558.27 4130247.67 10.07689
603558.27 4130297.67 10.18359
603558.27 4130347.67 9.16421
603558.27 4130397.67 7.41579
603558.27 4130447.67 5.77023
603558.27 4130497.67 4.69755
603558.27 4130547.67 4.05083
603558.27 4130597.67 3.56993
603608.27 4129997.67 4.48156
603608.27 4130047.67 5.26568
603608.27 4130097.67 6.17912
603608.27 4130147.67 7.15992
603608.27 4130197.67 8.02331
603608.27 4130247.67 8.46032
603608.27 4130297.67 8.17961
603608.27 4130347.67 7.16532
603608.27 4130397.67 5.82405
603608.27 4130447.67 4.65592
603608.27 4130497.67 3.88548
603608.27 4130547.67 3.40455
603608.27 4130597.67 3.04161
603658.27 4129997.67 4.34244
603658.27 4130047.67 5.02408
603658.27 4130097.67 5.76787
603658.27 4130147.67 6.48525
603658.27 4130197.67 7.00405
603658.27 4130247.67 7.09374
603658.27 4130297.67 6.63219
603658.27 4130347.67 5.73238
603658.27 4130397.67 4.69772
603658.27 4130447.67 3.84300
603658.27 4130497.67 3.27504
603658.27 4130547.67 2.90518
603658.27 4130597.67 2.62416
602640.57 4130170.66 1.42189
602640.57 4130220.66 1.58851
602640.57 4130270.66 1.78717
602640.57 4130320.66 2.01840

*** MODELOPTs: RegDFAULT CONC ELEV FLGPOL URBAN ADJ_U*

*** THE ANNUAL AVERAGE CONCENTRATION VALUES AVERAGED OVER 1 YEARS FOR SOURCE GROUP: ALL ***
INCLUDING SOURCE(S):
BREATH ,

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

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

X-COORD (M)	Y-COORD (M)	CONC	X-COORD (M)	Y-COORD (M)	CONC
602640.57	4130370.66	2.28121	602640.57	4130420.66	2.58061
602640.57	4130470.66	2.93939	602640.57	4130520.66	3.42688
602640.57	4130570.66	4.13154	602640.57	4130620.66	5.00805
602640.57	4130670.66	5.80878	602640.57	4130720.66	6.25492
602640.57	4130770.66	6.25699	602640.57	4130820.66	5.91190
602640.57	4130870.66	5.37353	602640.57	4130920.66	4.77022
602690.57	4130220.66	1.79156	602690.57	4130270.66	2.03508
602690.57	4130320.66	2.32766	602690.57	4130370.66	2.66644
602690.57	4130420.66	3.06028	602690.57	4130470.66	3.54103
602690.57	4130520.66	4.21877	602690.57	4130570.66	5.21080
602690.57	4130620.66	6.37076	602690.57	4130670.66	7.25835
602690.57	4130720.66	7.54067	602690.57	4130770.66	7.23854
602690.57	4130820.66	6.58070	602690.57	4130870.66	5.78780
602690.57	4130920.66	5.00370	602740.57	4130220.66	2.03926
602740.57	4130270.66	2.34331			

602740.57 4130320.66 2.71622
602740.57 4130370.66 3.16618
602740.57 4130420.66 3.69816
602740.57 4130470.66 4.36415
602740.57 4130520.66 5.34461
602740.57 4130570.66 6.78377
602740.57 4130620.66 8.29452
602740.57 4130670.66 9.14595
602740.57 4130720.66 9.04629
602740.57 4130770.66 8.26351
602740.57 4130820.66 7.19910
602740.57 4130870.66 6.12185
602790.57 4130270.66 2.72986
602790.57 4130320.66 3.21679
602790.57 4130370.66 3.82899
602790.57 4130420.66 4.57483
602790.57 4130470.66 5.53755
602790.57 4130520.66 7.02959
602790.57 4130570.66 9.17712
602790.57 4130620.66 11.04704
602790.57 4130670.66 11.54574
602790.57 4130720.66 10.70942
602790.57 4130770.66 9.23954
602790.57 4130820.66 7.69982
602840.57 4130320.66 3.87833
602840.57 4130370.66 4.73756
602840.57 4130420.66 5.83080
602840.57 4130470.66 7.30083
602840.57 4130520.66 9.72326
602840.57 4130570.66 12.99384
602840.57 4130620.66 14.97808
602840.57 4130670.66 14.43500
602840.57 4130720.66 12.36786
602840.57 4130770.66 10.03601
602890.57 4130370.66 6.03209
602890.57 4130420.66 7.72939
602890.57 4130470.66 10.14526
602890.57 4130520.66 14.40581
602890.57 4130570.66 19.35890
602890.57 4130620.66 20.39510
602890.57 4130670.66 17.54809
602940.57 4130520.66 23.58451
602940.57 4130570.66 30.21802
602940.57 4130620.66 27.08974
602754.62 4130958.49 4.55568
602804.62 4130858.49 6.70369
602804.62 4130908.49 5.50155
602804.62 4130958.49 4.56201
602854.62 4130808.49 8.54279
602854.62 4130858.49 6.79443
602854.62 4130908.49 5.48369

*** MODELOPTs: RegDFAULT CONC ELEV FLGPOL URBAN ADJ_U*

*** THE ANNUAL AVERAGE CONCENTRATION VALUES AVERAGED OVER 1 YEARS FOR SOURCE GROUP: ALL ***
INCLUDING SOURCE(S):
BREATH ,

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

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

X-COORD (M)	Y-COORD (M)	CONC	X-COORD (M)	Y-COORD (M)	CONC
602854.62	4130958.49	4.50148	602904.62	4130758.49	11.32457
602904.62	4130808.49	8.63024	602904.62	4130858.49	6.72593
602904.62	4130908.49	5.36404	602904.62	4130958.49	4.36643
602954.62	4130708.49	15.85752	602954.62	4130758.49	11.35923
602954.62	4130808.49	8.44061	602954.62	4130858.49	6.49129
602954.62	4130908.49	5.14023	602954.62	4130958.49	4.17124
603004.62	4130658.49	24.02267	603004.62	4130708.49	15.65939
603004.62	4130758.49	10.89237	603004.62	4130808.49	7.99822
603004.62	4130858.49	6.12824	603004.62	4130908.49	4.85566
603004.62	4130958.49	3.95231	603054.62	4130658.49	22.90826
603054.62	4130708.49	14.53202	603054.62	4130758.49	10.07268
603054.62	4130808.49	7.42659	603054.62	4130858.49	5.72727
603054.62	4130908.49	4.56983	603054.62	4130958.49	3.74394
603104.62	4130708.49	12.96994	603104.62	4130758.49	9.13899
603104.62	4130808.49	6.82921			

603104.62 4130858.49 5.32594
603104.62 4130908.49 4.28649
603104.62 4130958.49 3.53633
603154.62 4130708.49 11.06014
603154.62 4130758.49 8.02910
603154.62 4130808.49 6.13070
603154.62 4130858.49 4.85425
603154.62 4130908.49 3.95453
603154.62 4130958.49 3.29292
603204.62 4130708.49 8.85231
603204.62 4130758.49 6.70172
603204.62 4130808.49 5.27142
603204.62 4130858.49 4.27224
603204.62 4130908.49 3.54158
603204.62 4130958.49 2.99056
603254.62 4130658.49 9.74597
603254.62 4130708.49 7.20501
603254.62 4130758.49 5.57374
603254.62 4130808.49 4.47181
603254.62 4130858.49 3.68792
603254.62 4130908.49 3.10535
603254.62 4130958.49 2.65893
603304.62 4130758.49 4.81705
603304.62 4130908.49 2.74609
603304.62 4130958.49 2.36624
603354.62 4130908.49 2.49007
603354.62 4130958.49 2.15035
603005.81 4130339.02 9.69172
603005.81 4130359.02 11.24838
603025.81 4130359.02 12.95107
603025.81 4130379.02 15.44700
603045.81 4130359.02 14.97080
603045.81 4130379.02 18.29688
603065.81 4130359.02 17.27574
603065.81 4130379.02 21.77855
603085.81 4130359.02 19.72737
603105.81 4130339.02 17.13652
603105.81 4130359.02 22.16571
603105.81 4130379.02 29.93081
603125.81 4130339.02 19.06411
603125.81 4130359.02 25.09385
603125.81 4130379.02 34.72887
603145.81 4130359.02 29.97505
603145.81 4130379.02 43.15538
603035.25 4130307.16 9.00575
603035.25 4130327.16 10.53585
603055.25 4130307.16 9.88839
603055.25 4130327.16 11.76140
603075.25 4130287.16 9.05946
603075.25 4130307.16 10.77127
603075.25 4130327.16 13.02024

*** MODELOPTs: RegDFAULT CONC ELEV FLGPOL URBAN ADJ_U*

*** THE ANNUAL AVERAGE CONCENTRATION VALUES AVERAGED OVER 1 YEARS FOR SOURCE GROUP: ALL ***
INCLUDING SOURCE(S):
BREATH ,

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

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

X-COORD (M)	Y-COORD (M)	CONC	X-COORD (M)	Y-COORD (M)	CONC
603095.25	4130287.16	9.69375	603095.25	4130307.16	11.64313
603115.25	4130287.16	10.39661	603135.25	4130287.16	11.34216
603135.25	4130307.16	13.90050	603155.25	4130287.16	12.72761
603155.25	4130307.16	15.87253	603155.25	4130327.16	20.41556
603175.25	4130287.16	14.63177	603175.25	4130307.16	18.59802
603175.25	4130327.16	24.50435	603175.25	4130347.16	33.70417
602962.66	4130491.49	23.02260	602962.66	4130511.49	28.17547
602962.66	4130531.49	33.22424	602962.66	4130551.49	36.49465
602982.66	4130511.49	36.64871	602982.66	4130531.49	42.94993
602982.66	4130551.49	45.68433	602982.66	4130571.49	44.31752
603002.66	4130531.49	56.71767	603002.66	4130551.49	57.34139
603235.59	4130440.48	116.12150	603235.59	4130460.48	87.72047
603255.59	4130320.48	34.08344	603255.59	4130340.48	43.86904
603255.59	4130420.48	90.00428	603255.59	4130440.48	80.75835
603255.59	4130460.48	61.47781			

603255.59 4130480.48 44.43509
603275.59 4130320.48 34.14949
603275.59 4130340.48 42.52139
603275.59 4130360.48 52.30418
603275.59 4130380.48 62.04038
603275.59 4130400.48 68.55995
603275.59 4130420.48 67.83625
603275.59 4130440.48 58.69117
603275.59 4130460.48 45.40479
603275.59 4130480.48 34.32664
603275.59 4130500.48 27.47342
603295.59 4130340.48 39.96596
603295.59 4130360.48 47.03860
603295.59 4130380.48 52.84868
603295.59 4130400.48 55.16677
603295.59 4130420.48 52.15086
603295.59 4130440.48 44.31083
603295.59 4130460.48 34.90928
603295.59 4130480.48 27.33054
603295.59 4130500.48 22.44213
603295.59 4130520.48 19.22334
603315.59 4130360.48 41.50273
603315.59 4130380.48 44.55441
603315.59 4130400.48 44.57778
603315.59 4130420.48 40.94103
603315.59 4130440.48 34.58222
603315.59 4130460.48 27.75648
603315.59 4130480.48 22.34169
603315.59 4130500.48 18.72706
603315.59 4130520.48 16.27579
603335.59 4130380.48 37.51204
603335.59 4130420.48 32.75452
603335.59 4130440.48 27.67196
603335.59 4130460.48 22.59767
603335.59 4130480.48 18.60595
603355.59 4130440.48 22.62358
603355.59 4130460.48 18.76851
603025.04 4130593.30 48.38168
603025.04 4130613.30 38.53505
603045.04 4130613.30 38.80008
603045.04 4130633.30 30.54499
603065.04 4130613.30 37.91589
603065.04 4130633.30 29.54093
603085.04 4130633.30 28.07217
603085.04 4130653.30 22.47875
603105.04 4130653.30 21.16143
603125.04 4130653.30 19.67938
603145.04 4130633.30 21.93001
603145.04 4130653.30 17.99952
603165.04 4130613.30 23.80934
603165.04 4130633.30 19.42862

*** MODELOPTs: RegDFAULT CONC ELEV FLGPOL URBAN ADJ_U*

*** THE ANNUAL AVERAGE CONCENTRATION VALUES AVERAGED OVER 1 YEARS FOR SOURCE GROUP: ALL ***
INCLUDING SOURCE(S):
BREATH ,

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

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

X-COORD (M)	Y-COORD (M)	CONC	X-COORD (M)	Y-COORD (M)	CONC
603165.04	4130653.30	16.18505	603185.04	4130593.30	25.26068
603185.04	4130613.30	20.51164	603185.04	4130633.30	17.02778
603185.04	4130653.30	14.39368	603205.04	4130593.30	21.69709
603205.04	4130613.30	17.87153	603205.04	4130633.30	15.01295
603205.04	4130653.30	12.82705	603225.04	4130613.30	15.83187
603225.04	4130633.30	13.42922	603245.04	4130633.30	12.13384
602922.39	4130406.41	8.75062	602922.39	4130426.41	9.82388
602942.39	4130386.41	8.85469	602942.39	4130406.41	10.01409
602942.39	4130426.41	11.36827	602942.39	4130446.41	12.97003
602962.39	4130386.41	10.11577	602962.39	4130406.41	11.58213
602962.39	4130426.41	13.32213	602962.39	4130446.41	15.40669
602962.39	4130466.41	18.08920	602982.39	4130406.41	13.55960
602982.39	4130426.41	15.85689	602982.39	4130446.41	18.66653
602982.39	4130466.41	22.37059	602982.39	4130486.41	27.66117
603002.39	4130426.41	19.21759			

603002.39   4130446.41   23.13792
         603002.39   4130466.41   28.46024
603002.39   4130486.41   36.36300
         603002.39   4130506.41   46.63028
603022.39   4130446.41   29.51031
         603022.39   4130466.41   37.55779
603022.39   4130486.41   50.11561
         603022.39   4130506.41   65.74863
603042.39   4130466.41   52.09650
         603042.39   4130486.41   73.67990
603042.39   4130506.41   97.91120
         603062.39   4130466.41   77.46333
603073.49   4130393.01   28.06733
         603073.49   4130413.01   37.66942
603093.49   4130393.01   34.16695
         603093.49   4130413.01   48.99313
603093.49   4130433.01   74.76225
         603113.49   4130393.01   40.66074
603113.49   4130413.01   62.42308
         603084.25   4130509.77   250.32695
603084.25   4130529.77   168.55287
         603104.25   4130509.77   328.78092
603104.25   4130529.77   172.97726
         603104.25   4130549.77   102.34963
603124.25   4130529.77   150.76869
         603170.74   4130474.71   316.72406
603170.74   4130494.71   164.05924
         603190.74   4130474.71   173.56805
603190.74   4130494.71   103.70650
         603190.74   4130514.71   72.23928
603210.74   4130494.71   70.85957
         603210.74   4130514.71   52.89304
603210.74   4130534.71   40.68540
         603230.74   4130494.71   51.36311
603230.74   4130514.71   40.14263
         603230.74   4130534.71   32.28085
603230.74   4130554.71   26.29325
         603250.74   4130514.71   31.54316
603250.74   4130534.71   26.17137
         603250.74   4130554.71   21.94872
603270.74   4130534.71   21.60889
         603270.74   4130554.71   18.52219
603290.74   4130534.71   18.12385
         603348.17   4130591.19   8.90597
603348.17   4130641.19   7.07294
         603398.17   4130541.19   8.46775
603398.17   4130591.19   6.90654
         603398.17   4130641.19   5.68824
603448.17   4130541.19   6.54580
         603448.17   4130591.19   5.51140
603448.17   4130641.19   4.66828

*** MODELOPTs: RegDFAULT CONC ELEV FLGPOL URBAN ADJ_U*

*** THE ANNUAL AVERAGE CONCENTRATION VALUES AVERAGED OVER 1 YEARS FOR SOURCE GROUP: ALL ***
INCLUDING SOURCE(S):
BREATH ,

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

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

X-COORD (M)	Y-COORD (M)	CONC	X-COORD (M)	Y-COORD (M)	CONC
603498.17	4130591.19	4.50581	603498.17	4130641.19	3.90087
603548.17	4130641.19	3.31036	603206.05	4130384.23	88.31784
603206.05	4130404.23	134.01767	603206.05	4130424.23	191.14300
603206.05	4130444.23	214.15479	603226.05	4130384.23	86.84256
603226.05	4130404.23	117.52361	603226.05	4130424.23	142.04806
603246.05	4130384.23	79.02326	603246.05	4130404.23	96.43375
603096.01	4130606.06	38.45866	603096.01	4130626.06	29.58833
603116.01	4130606.06	35.36535	603116.01	4130626.06	27.43539
603116.01	4130646.06	21.94660	603136.01	4130606.06	31.71667
603136.01	4130626.06	24.92903	603094.75	4130604.93	39.30203
603094.75	4130624.93	30.12022	603114.75	4130604.93	36.29621
603114.75	4130624.93	27.96256	603114.75	4130644.93	22.31960
603134.75	4130584.93	43.36884	603134.75	4130604.93	32.63895
603154.75	4130584.93	36.85150	602703.60	4130052.56	1.26628

*** MODELOPTs: RegDFAULT CONC ELEV FLGPOL URBAN ADJ_U*

*** THE 1ST HIGHEST 1-HR AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: ALL ***
INCLUDING SOURCE(S):
BREATH ,

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

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

X-COORD (M)	Y-COORD (M)	CONC	(YYMMDDHH)
602766.91	4130103.30	52.91933	(17021004)
602766.91	4130153.30	63.01333	(17112019)
602816.91	4130053.30	48.75191	(17080305)
602816.91	4130103.30	55.57231	(17032823)
602816.91	4130153.30	65.01155	(17021004)
602816.91	4130203.30	78.89325	(17112019)
602866.91	4130003.30	53.02574	(17010906)
602866.91	4130053.30	58.27508	(17010906)
602866.91	4130103.30	61.02586	(17080305)
602866.91	4130153.30	68.30503	(17032823)
602866.91	4130203.30	82.81506	(17021004)
602866.91	4130253.30	102.46113	(17112019)
602916.91	4129953.30	52.37140	(17121923)
602916.91	4130003.30	56.33079	(17121923)
602916.91	4130053.30	62.33224	(17010906)
602916.91	4130103.30	73.50797	(17010906)
602916.91	4130153.30	80.49747	(17010906)
602916.91	4130203.30	86.74973	(17032823)
602916.91	4130253.30	110.93113	(17021004)
602966.91	4129953.30	54.46119	(17010624)
602966.91	4130003.30	62.30589	(17121923)
602966.91	4130053.30	72.08553	(17121923)
602966.91	4130103.30	80.94091	(17121923)
602966.91	4130153.30	92.00604	(17010906)
602966.91	4130203.30	111.59166	(17010906)
602966.91	4130253.30	122.72986	(17080305)
602966.91	4130303.30	160.88619	(17112019)
603016.91	4129953.30	50.58410	(17122623)

603016.91 4130003.30 60.39975 (17010624)
603016.91 4130053.30 73.10271 (17010624)
603016.91 4130103.30 88.09563 (17010624)
603016.91 4130153.30 107.22644 (17121923)
603016.91 4130203.30 130.15527 (17121923)
603016.91 4130253.30 156.88585 (17010906)
603016.91 4130303.30 198.14982 (17010906)
603066.91 4129953.30 57.92917 (17111122)
603066.91 4130003.30 65.94899 (17111122)
603066.91 4130053.30 75.74484 (17111122)
603066.91 4130103.30 87.75941 (17111122)
603066.91 4130153.30 102.47751 (17111122)
603066.91 4130203.30 134.65968 (17010624)
603066.91 4130253.30 184.49382 (17010624)
603116.91 4129953.30 57.69430 (17121217)
603116.91 4130003.30 66.76239 (17121217)
603116.91 4130053.30 78.53166 (17121217)
603116.91 4130103.30 94.25561 (17121217)
603116.91 4130153.30 116.09206 (17121217)
603116.91 4130203.30 147.86135 (17121217)
603116.91 4130253.30 197.43268 (17121217)
603166.91 4129953.30 67.53834 (17111324)
603166.91 4130003.30 80.88311 (17111324)
603166.91 4130053.30 98.50884 (17111324)
603166.91 4130103.30 123.04174 (17122518)
603166.91 4130153.30 158.61454 (17122518)
603166.91 4130203.30 210.83934 (17122518)
603216.91 4129953.30 88.02043 (17122518)
603216.91 4130003.30 102.63555 (17122518)
603216.91 4130053.30 119.86843 (17122518)
603216.91 4130103.30 139.78377 (17122518)
603216.91 4130153.30 167.28006 (17112021)
603216.91 4130203.30 205.71683 (17122517)
603216.91 4130253.30 270.49613 (17121318)
603266.91 4129953.30 85.27593 (17112021)
603266.91 4130003.30 96.64469 (17122517)
603266.91 4130053.30 109.97968 (17122517)
603266.91 4130103.30 128.39978 (17121318)
603266.91 4130153.30 161.00396 (17121318)
603266.91 4130203.30 189.95892 (17122317)
603316.91 4129953.30 78.09402 (17121318)
603316.91 4130003.30 94.15402 (17121318)
603316.91 4130053.30 109.21753 (17121318)
603316.91 4130103.30 122.08110 (17122317)
603316.91 4130153.30 147.58416 (17122317)
603366.91 4129953.30 80.13884 (17121318)
603366.91 4130003.30 87.18244 (17122317)
603366.91 4130053.30 102.65872 (17122317)
603366.91 4130103.30 117.10159 (17112401)
603416.91 4129953.30 76.73794 (17122317)
603416.91 4130003.30 83.82503 (17112401)
603466.91 4129953.30 72.72610 (17112401)

*** MODELOPTs: RegDFAULT CONC ELEV FLGPOL URBAN ADJ_U*

*** THE 1ST HIGHEST 1-HR AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: ALL ***
INCLUDING SOURCE(S):
BREATH ,

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

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

X-COORD (M)	Y-COORD (M)	CONC	(YYMMDDHH)	X-COORD (M)	Y-COORD (M)	CONC	(YYMMDDHH)
603308.27	4130247.67	210.86017	(17112406)	603308.27	4130297.67	247.00424	(17012918)
603358.27	4130197.67	152.24661	(17112406)	603358.27	4130247.67	173.59643	(17012918)
603358.27	4130297.67	208.92059	(17112321)	603358.27	4130347.67	279.17928	(17122416)
603358.27	4130397.67	272.38670	(17121520)	603408.27	4130097.67	107.03118	(17112406)
603408.27	4130147.67	118.08561	(17122319)	603408.27	4130197.67	130.94121	(17012918)
603408.27	4130247.67	155.67437	(17111918)	603408.27	4130297.67	182.18609	(17122416)
603408.27	4130347.67	192.23408	(17121319)	603408.27	4130397.67	210.54042	(17011118)
603408.27	4130447.67	209.34555	(17120118)	603458.27	4130047.67	88.36057	(17112406)
603458.27	4130097.67	95.86692	(17122319)	603458.27	4130147.67	103.40430	(17012918)
603458.27	4130197.67	121.36885	(17111918)	603458.27	4130247.67	131.45705	(17120717)
603458.27	4130297.67	145.29594	(17011720)	603458.27	4130347.67	156.88928	(17121520)
603458.27	4130397.67	165.41796	(17012521)	603458.27	4130447.67	160.54236	(17120118)
603458.27	4130497.67	123.63236	(17112320)	603508.27	4129997.67	73.76103	(17112406)
603508.27	4130047.67	79.66225	(17122319)	603508.27	4130097.67	84.43150	(17012918)

603508.27 4130147.67 97.68415 (17111918)
603508.27 4130197.67 102.19959 (17112321)
603508.27 4130247.67 110.06037 (17111818)
603508.27 4130297.67 124.47221 (17121319)
603508.27 4130347.67 134.40089 (17121520)
603508.27 4130397.67 138.25664 (17010623)
603508.27 4130447.67 127.05821 (17120118)
603508.27 4130497.67 101.60095 (17112320)
603508.27 4130547.67 100.18824 (17112319)
603558.27 4129997.67 67.45570 (17122319)
603558.27 4130047.67 70.69330 (17012918)
603558.27 4130097.67 81.41960 (17012918)
603558.27 4130147.67 86.38739 (17112321)
603558.27 4130197.67 92.95743 (17120717)
603558.27 4130247.67 100.76463 (17011720)
603558.27 4130297.67 105.82036 (17121418)
603558.27 4130347.67 114.36968 (17011118)
603558.27 4130397.67 118.76504 (17120118)
603558.27 4130447.67 103.03638 (17120118)
603558.27 4130497.67 85.42761 (17112320)
603558.27 4130547.67 83.32515 (17112319)
603558.27 4130597.67 78.99506 (17012819)
603608.27 4129997.67 60.34371 (17012918)
603608.27 4130047.67 69.30819 (17012918)
603608.27 4130097.67 73.69468 (17112321)
603608.27 4130147.67 78.18643 (17120717)
603608.27 4130197.67 81.51028 (17011720)
603608.27 4130247.67 89.19103 (17121319)
603608.27 4130297.67 94.55867 (17121520)
603608.27 4130347.67 98.37115 (17011118)
603608.27 4130397.67 102.87304 (17120118)
603608.27 4130447.67 85.31972 (17120118)
603608.27 4130497.67 73.11901 (17112320)
603608.27 4130547.67 69.93745 (17112319)
603608.27 4130597.67 69.18433 (17112219)
603658.27 4129997.67 59.87817 (17012918)
603658.27 4130047.67 63.62612 (17111918)
603658.27 4130097.67 65.62673 (17120717)
603658.27 4130147.67 68.69194 (17120717)
603658.27 4130197.67 75.36086 (17011720)
603658.27 4130247.67 78.32772 (17121418)
603658.27 4130297.67 84.21938 (17121520)
603658.27 4130347.67 84.30530 (17012521)
603658.27 4130397.67 89.43077 (17120118)
603658.27 4130447.67 71.75914 (17120118)
603658.27 4130497.67 63.65438 (17111919)
603658.27 4130547.67 61.66506 (17121119)
603658.27 4130597.67 61.41594 (17112319)
602640.57 4130170.66 50.13161 (17122023)
602640.57 4130220.66 50.07182 (17122023)
602640.57 4130270.66 53.20058 (17111124)
602640.57 4130320.66 60.05079 (17111124)

*** MODELOPTs: RegDFAULT CONC ELEV FLGPOL URBAN ADJ_U*

*** THE 1ST HIGHEST 1-HR AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: ALL ***
INCLUDING SOURCE(S):
BREATH ,

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

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

X-COORD (M)	Y-COORD (M)	CONC	(YYMMDDHH)
602640.57	4130370.66	61.37069	(17121102)
602640.57	4130420.66	61.77808	(17010205)
602640.57	4130470.66	63.60891	(17111107)
602640.57	4130520.66	63.87169	(17111623)
602640.57	4130570.66	63.68739	(17011601)
602640.57	4130620.66	83.81916	(17011601)
602640.57	4130670.66	82.93211	(17122402)
602640.57	4130720.66	79.74209	(17110924)
602640.57	4130770.66	74.21211	(17120724)
602640.57	4130820.66	70.95114	(17112602)
602640.57	4130870.66	65.08308	(17110702)
602640.57	4130920.66	61.66205	(17112002)
602690.57	4130220.66	59.51438	(17122023)
602690.57	4130270.66	57.03954	(17122720)
602690.57	4130320.66	68.71535	(17111124)
602690.57	4130370.66	70.74822	(17111805)
602690.57	4130420.66	71.53816	(17010205)
602690.57	4130470.66	73.93738	(17111107)
602690.57	4130520.66	74.57283	(17111623)
602690.57	4130570.66	82.17812	(17011601)
602690.57	4130620.66	98.79307	(17011601)
602690.57	4130670.66	93.61751	(17110924)
602690.57	4130720.66	89.24321	(17121424)
602690.57	4130770.66	82.64047	(17120107)
602690.57	4130820.66	76.34105	(17110702)
602690.57	4130870.66	71.84855	(17112002)
602690.57	4130920.66	65.65113	(17112603)
602740.57	4130220.66	67.96354	(17112420)

602740.57 4130270.66 69.61694 (17122023)
602740.57 4130320.66 77.08224 (17111124)
602740.57 4130370.66 83.12309 (17111805)
602740.57 4130420.66 84.60497 (17112723)
602740.57 4130470.66 87.51195 (17111107)
602740.57 4130520.66 88.31748 (17111623)
602740.57 4130570.66 106.50565 (17011601)
602740.57 4130620.66 115.11389 (17121724)
602740.57 4130670.66 109.28614 (17110924)
602740.57 4130720.66 100.51849 (17120724)
602740.57 4130770.66 93.66422 (17112602)
602740.57 4130820.66 85.46191 (17112302)
602740.57 4130870.66 77.52818 (17112603)
602790.57 4130270.66 84.78809 (17122023)
602790.57 4130320.66 83.53407 (17111124)
602790.57 4130370.66 100.11438 (17111124)
602790.57 4130420.66 101.98508 (17112723)
602790.57 4130470.66 106.00022 (17111107)
602790.57 4130520.66 106.37197 (17111623)
602790.57 4130570.66 137.79638 (17011601)
602790.57 4130620.66 134.42808 (17122402)
602790.57 4130670.66 125.57611 (17121424)
602790.57 4130720.66 116.67619 (17112602)
602790.57 4130770.66 104.03611 (17112302)
602790.57 4130820.66 93.64327 (17112603)
602840.57 4130320.66 106.34086 (17122023)
602840.57 4130370.66 122.52492 (17111124)
602840.57 4130420.66 127.43970 (17121102)
602840.57 4130470.66 132.36160 (17111107)
602840.57 4130520.66 130.98061 (17112003)
602840.57 4130570.66 175.67832 (17011601)
602840.57 4130620.66 164.36752 (17110924)
602840.57 4130670.66 147.13958 (17112602)
602840.57 4130720.66 130.32172 (17112302)
602840.57 4130770.66 116.41578 (17112603)
602890.57 4130370.66 145.30946 (17111124)
602890.57 4130420.66 165.92591 (17121102)
602890.57 4130470.66 172.34373 (17111107)
602890.57 4130520.66 190.18628 (17011601)
602890.57 4130570.66 221.89724 (17122402)
602890.57 4130620.66 198.60039 (17120724)
602890.57 4130670.66 173.47620 (17110702)
602940.57 4130520.66 297.86761 (17011601)
602940.57 4130570.66 293.24356 (17110924)
602940.57 4130620.66 250.39003 (17112602)
602754.62 4130958.49 66.95630 (17110722)
602804.62 4130858.49 90.09012 (17110722)
602804.62 4130908.49 77.97333 (17110603)
602804.62 4130958.49 73.03414 (17112004)
602854.62 4130808.49 111.10929 (17110722)
602854.62 4130858.49 96.40016 (17110603)
602854.62 4130908.49 86.10736 (17112004)

*** MODELOPTs: RegDFAULT CONC ELEV FLGPOL URBAN ADJ_U*

*** THE 1ST HIGHEST 1-HR AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: ALL ***
INCLUDING SOURCE(S):
BREATH ,

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

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

X-COORD (M)	Y-COORD (M)	CONC	(YYMMDDHH)	X-COORD (M)	Y-COORD (M)	CONC	(YYMMDDHH)
602854.62	4130958.49	76.63650	(17122822)	602904.62	4130758.49	140.90393	(17110722)
602904.62	4130808.49	121.84035	(17112004)	602904.62	4130858.49	104.23263	(17122822)
602904.62	4130908.49	92.46904	(17120224)	602904.62	4130958.49	82.57796	(17120520)
602954.62	4130708.49	185.04713	(17110722)	602954.62	4130758.49	155.55816	(17112004)
602954.62	4130808.49	132.08571	(17120224)	602954.62	4130858.49	114.02702	(17120520)
602954.62	4130908.49	98.55841	(17121019)	602954.62	4130958.49	86.75530	(17111221)
603004.62	4130658.49	275.00070	(17112004)	603004.62	4130708.49	214.16388	(17120820)
603004.62	4130758.49	173.38049	(17111921)	603004.62	4130808.49	143.01156	(17121019)
603004.62	4130858.49	122.27308	(17111221)	603004.62	4130908.49	103.66465	(17111224)
603004.62	4130958.49	89.57496	(17111224)	603054.62	4130658.49	319.96800	(17121019)
603054.62	4130708.49	242.61411	(17111221)	603054.62	4130758.49	187.94186	(17111224)
603054.62	4130808.49	150.89331	(17120719)	603054.62	4130858.49	126.20115	(17120719)
603054.62	4130908.49	105.59904	(17120719)	603054.62	4130958.49	88.76641	(17120719)
603104.62	4130708.49	255.65735	(17112501)	603104.62	4130758.49	196.89621	(17112501)

603104.62 4130808.49 157.39366 (17121921)
603104.62 4130858.49 131.02299 (17121921)
603104.62 4130908.49 111.19538 (17121921)
603104.62 4130958.49 95.88587 (17121921)
603154.62 4130708.49 279.34687 (17101908)
603154.62 4130758.49 194.37759 (17010418)
603154.62 4130808.49 154.21062 (17120122)
603154.62 4130858.49 127.98212 (17111421)
603154.62 4130908.49 108.67201 (17111421)
603154.62 4130958.49 93.82736 (17111421)
603204.62 4130708.49 238.28816 (17111018)
603204.62 4130758.49 191.30092 (17111018)
603204.62 4130808.49 152.14497 (17110720)
603204.62 4130858.49 128.43956 (17110720)
603204.62 4130908.49 108.75534 (17110720)
603204.62 4130958.49 92.65590 (17110720)
603254.62 4130658.49 207.63903 (17110423)
603254.62 4130708.49 160.64908 (17112722)
603254.62 4130758.49 135.93434 (17090802)
603254.62 4130808.49 127.10930 (17090802)
603254.62 4130858.49 116.02686 (17111018)
603254.62 4130908.49 103.91487 (17111018)
603254.62 4130958.49 91.35365 (17111018)
603304.62 4130758.49 118.60983 (17110423)
603304.62 4130908.49 79.95501 (17090802)
603304.62 4130958.49 76.31533 (17090802)
603354.62 4130908.49 67.73182 (17112722)
603354.62 4130958.49 59.87927 (17120819)
603005.81 4130339.02 228.79038 (17021004)
603005.81 4130359.02 274.84622 (17112019)
603025.81 4130359.02 289.63737 (17021004)
603025.81 4130379.02 355.81323 (17112019)
603045.81 4130359.02 311.16000 (17080305)
603045.81 4130379.02 383.71858 (17021004)
603065.81 4130359.02 386.09017 (17010906)
603065.81 4130379.02 443.70128 (17010906)
603085.81 4130359.02 447.10575 (17121923)
603105.81 4130339.02 365.17657 (17111122)
603105.81 4130359.02 463.46752 (17010624)
603105.81 4130379.02 614.35309 (17010624)
603125.81 4130339.02 397.37284 (17121217)
603125.81 4130359.02 498.57367 (17121217)
603125.81 4130379.02 651.53421 (17121217)
603145.81 4130359.02 813.54617 (17102917)
603145.81 4130379.02 1258.32678 (17102917)
603035.25 4130307.16 227.30960 (17010906)
603035.25 4130327.16 250.91714 (17010906)
603055.25 4130307.16 247.62607 (17121923)
603055.25 4130327.16 280.35374 (17010906)
603075.25 4130287.16 233.60866 (17010624)
603075.25 4130307.16 271.73513 (17121923)
603075.25 4130327.16 319.94366 (17121923)

*** MODELOPTs: RegDFAULT CONC ELEV FLGPOL URBAN ADJ_U*

*** THE 1ST HIGHEST 1-HR AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: ALL ***
INCLUDING SOURCE(S):
BREATH ,

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

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

X-COORD (M)	Y-COORD (M)	CONC	(YYMMDDHH)	X-COORD (M)	Y-COORD (M)	CONC	(YYMMDDHH)
603095.25	4130287.16	227.80471	(17111122)	603095.25	4130307.16	268.26582	(17010624)
603115.25	4130287.16	249.63195	(17111122)	603135.25	4130287.16	271.33887	(17111324)
603135.25	4130307.16	324.89433	(17111324)	603155.25	4130287.16	353.42437	(17122518)
603155.25	4130307.16	446.57689	(17102917)	603155.25	4130327.16	602.79829	(17102917)
603175.25	4130287.16	435.24900	(17102917)	603175.25	4130307.16	524.00587	(17102917)
603175.25	4130327.16	617.56748	(17102917)	603175.25	4130347.16	697.02942	(17102917)
602962.66	4130491.49	286.23873	(17111623)	602962.66	4130511.49	342.77591	(17011601)
602962.66	4130531.49	370.38115	(17121724)	602962.66	4130551.49	354.56361	(17110924)
602982.66	4130511.49	426.77984	(17011601)	602982.66	4130531.49	431.98409	(17120822)
602982.66	4130551.49	407.06218	(17110924)	602982.66	4130571.49	374.97815	(17120107)
603002.66	4130531.49	512.54555	(17110924)	603002.66	4130551.49	469.21850	(17120724)
603235.59	4130440.48	833.85506	(17010616)	603235.59	4130460.48	840.95055	(17120118)
603255.59	4130320.48	353.23844	(17112406)	603255.59	4130340.48	385.98274	(17122319)
603255.59	4130420.48	618.31500	(17122416)	603255.59	4130440.48	641.52276	(17011118)

603255.59 4130460.48 654.92655 (17120118)
603255.59 4130480.48 493.75219 (17112320)
603275.59 4130320.48 314.33496 (17122319)
603275.59 4130340.48 356.94734 (17012918)
603275.59 4130360.48 391.43286 (17111918)
603275.59 4130380.48 593.26113 (17122416)
603275.59 4130400.48 608.92592 (17122416)
603275.59 4130420.48 501.10981 (17121520)
603275.59 4130440.48 518.62777 (17012521)
603275.59 4130460.48 524.59258 (17120118)
603275.59 4130480.48 399.41554 (17112320)
603275.59 4130500.48 391.06603 (17112319)
603295.59 4130340.48 323.07705 (17111918)
603295.59 4130360.48 413.37965 (17122416)
603295.59 4130380.48 510.15539 (17122416)
603295.59 4130400.48 400.14768 (17120218)
603295.59 4130420.48 427.96539 (17121520)
603295.59 4130440.48 440.46600 (17010623)
603295.59 4130460.48 430.19297 (17120118)
603295.59 4130480.48 331.64410 (17112320)
603295.59 4130500.48 323.44342 (17112319)
603295.59 4130520.48 308.19916 (17110719)
603315.59 4130360.48 401.50481 (17122416)
603315.59 4130380.48 382.04217 (17122416)
603315.59 4130400.48 345.17254 (17121520)
603315.59 4130420.48 370.11160 (17011118)
603315.59 4130440.48 382.82339 (17120118)
603315.59 4130460.48 360.33568 (17120118)
603315.59 4130480.48 281.71036 (17111919)
603315.59 4130500.48 272.96294 (17121119)
603315.59 4130520.48 267.20388 (17112219)
603335.59 4130380.48 293.90321 (17120218)
603335.59 4130420.48 321.57054 (17011118)
603335.59 4130440.48 334.46399 (17120118)
603335.59 4130460.48 306.38423 (17120118)
603335.59 4130480.48 243.36532 (17111919)
603355.59 4130440.48 293.99596 (17120118)
603355.59 4130460.48 263.95873 (17120118)
603025.04 4130593.30 434.07230 (17111902)
603025.04 4130613.30 381.79992 (17110722)
603045.04 4130613.30 418.58625 (17112004)
603045.04 4130633.30 364.58409 (17120820)
603065.04 4130613.30 459.61749 (17120520)
603065.04 4130633.30 391.02818 (17121019)
603085.04 4130633.30 413.83812 (17111224)
603085.04 4130653.30 355.88685 (17111224)
603105.04 4130653.30 359.42497 (17112501)
603125.04 4130653.30 379.43344 (17121921)
603145.04 4130633.30 569.08545 (17101908)
603145.04 4130653.30 452.33012 (17101908)
603165.04 4130613.30 567.69615 (17101908)
603165.04 4130633.30 488.22373 (17101908)

*** MODELOPTs: RegDFAULT CONC ELEV FLGPOL URBAN ADJ_U*

*** THE 1ST HIGHEST 1-HR AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: ALL ***
INCLUDING SOURCE(S):
BREATH ,

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

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

X-COORD (M)	Y-COORD (M)	CONC	(YYMMDDHH)	X-COORD (M)	Y-COORD (M)	CONC	(YYMMDDHH)
603165.04	4130653.30	417.27289	(17101908)	603185.04	4130593.30	481.23105	(17090802)
603185.04	4130613.30	440.40755	(17111018)	603185.04	4130633.30	397.36092	(17111018)
603185.04	4130653.30	353.23362	(17111018)	603205.04	4130593.30	400.30019	(17110423)
603205.04	4130613.30	333.70658	(17112722)	603205.04	4130633.30	302.45163	(17090802)
603205.04	4130653.30	287.62626	(17090802)	603225.04	4130613.30	308.11820	(17110423)
603225.04	4130633.30	270.57321	(17110423)	603245.04	4130633.30	244.69951	(17111407)
602922.39	4130406.41	198.18703	(17111124)	602922.39	4130426.41	201.92999	(17121102)
602942.39	4130386.41	194.17424	(17111124)	602942.39	4130406.41	224.22920	(17111124)
602942.39	4130426.41	231.29503	(17111805)	602942.39	4130446.41	233.78342	(17112723)
602962.39	4130386.41	229.15195	(17122023)	602962.39	4130406.41	252.11580	(17111124)
602962.39	4130426.41	266.87801	(17111124)	602962.39	4130446.41	271.90788	(17011608)
602962.39	4130466.41	281.52923	(17110601)	602982.39	4130406.41	279.79101	(17111124)
602982.39	4130426.41	318.25976	(17111124)	602982.39	4130446.41	325.26631	(17011608)
602982.39	4130466.41	335.79535	(17110601)	602982.39	4130486.41	339.10479	(17111623)

603002.39 4130426.41 379.72324 (17111124)
603002.39 4130446.41 397.27800 (17121102)
603002.39 4130466.41 410.28695 (17110601)
603002.39 4130486.41 415.44846 (17111623)
603002.39 4130506.41 519.31992 (17121122)
603022.39 4130446.41 496.72532 (17111805)
603022.39 4130466.41 517.24688 (17110601)
603022.39 4130486.41 523.96727 (17111623)
603022.39 4130506.41 670.14260 (17121122)
603042.39 4130466.41 680.37429 (17110601)
603042.39 4130486.41 730.66030 (17121122)
603042.39 4130506.41 866.49928 (17110807)
603062.39 4130466.41 950.74340 (17010205)
603073.49 4130393.01 536.57054 (17010906)
603073.49 4130413.01 714.27501 (17112019)
603093.49 4130393.01 674.12182 (17121923)
603093.49 4130413.01 956.86227 (17020716)
603093.49 4130433.01 1245.04859 (17112019)
603113.49 4130393.01 765.78696 (17010624)
603113.49 4130413.01 1120.11694 (17010624)
603084.25 4130509.77 1576.71077 (17112602)
603084.25 4130529.77 1222.68404 (17110722)
603104.25 4130509.77 2680.30682 (17041718)
603104.25 4130529.77 1502.29985 (17120224)
603104.25 4130549.77 1085.11968 (17121019)
603124.25 4130529.77 2087.15526 (17020917)
603170.74 4130474.71 2714.26847 (17030508)
603170.74 4130494.71 2010.83631 (17042408)
603190.74 4130474.71 1486.48852 (17030508)
603190.74 4130494.71 1267.62487 (17111020)
603190.74 4130514.71 1039.54537 (17112419)
603210.74 4130494.71 871.90591 (17012819)
603210.74 4130514.71 772.39965 (17112424)
603210.74 4130534.71 652.74887 (17012622)
603230.74 4130494.71 658.57262 (17112319)
603230.74 4130514.71 600.19703 (17111020)
603230.74 4130534.71 534.82936 (17112424)
603230.74 4130554.71 457.33748 (17111019)
603250.74 4130514.71 481.09245 (17111020)
603250.74 4130534.71 433.17423 (17011321)
603250.74 4130554.71 396.69003 (17112419)
603270.74 4130534.71 362.77151 (17111020)
603270.74 4130554.71 339.67451 (17112424)
603290.74 4130534.71 314.61342 (17111020)
603348.17 4130591.19 183.64993 (17112424)
603348.17 4130641.19 157.18262 (17012622)
603398.17 4130541.19 158.24152 (17112219)
603398.17 4130591.19 143.53420 (17111020)
603398.17 4130641.19 130.90882 (17112424)
603448.17 4130541.19 127.63938 (17112319)
603448.17 4130591.19 119.88454 (17111020)
603448.17 4130641.19 107.84341 (17011321)

*** MODELOPTs: RegDFAULT CONC ELEV FLGPOL URBAN ADJ_U*

*** THE 1ST HIGHEST 1-HR AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: ALL ***
INCLUDING SOURCE(S):
BREATH ,

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

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

X-COORD (M)	Y-COORD (M)	CONC	(YYMMDDHH)
603498.17	4130591.19	98.85038	(17110719)
603498.17	4130641.19	89.19958	(17122220)
603548.17	4130641.19	79.95749	(17111020)
603206.05	4130384.23	726.46692	(17112406)
603206.05	4130404.23	873.09605	(17012918)
603206.05	4130424.23	1849.86343	(17122416)
603206.05	4130444.23	1513.12967	(17010616)
603226.05	4130384.23	625.24766	(17012918)
603226.05	4130404.23	976.15381	(17122416)
603226.05	4130424.23	1350.53308	(17122416)
603246.05	4130384.23	556.79261	(17122416)
603246.05	4130404.23	960.37347	(17122416)
603096.01	4130606.06	539.35017	(17111224)
603096.01	4130626.06	446.46626	(17110501)
603116.01	4130606.06	561.08101	(17112501)
603116.01	4130626.06	466.64740	(17112501)
603116.01	4130646.06	394.75027	(17112501)
603136.01	4130606.06	729.01202	(17101908)
603136.01	4130626.06	554.84571	(17101908)
603094.75	4130604.93	542.50262	(17111224)
603094.75	4130624.93	449.14131	(17111224)
603114.75	4130604.93	564.93743	(17112501)
603114.75	4130624.93	468.84706	(17112501)
603114.75	4130644.93	397.23734	(17112501)
603134.75	4130584.93	979.89666	(17101908)
603134.75	4130604.93	716.31593	(17101908)
603154.75	4130584.93	974.58243	(17101908)
602703.60	4130052.56	43.14632	(17021004)

*** MODELOPTs: RegDFAULT CONC ELEV FLGPOL URBAN ADJ_U*

*** THE SUMMARY OF MAXIMUM ANNUAL RESULTS AVERAGED OVER 1 YEARS ***

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

NETWORK GROUP ID	AVERAGE CONC	RECEPTOR (XR, YR, ZELEV, ZHILL, ZFLAG)	OF TYPE	GRID-ID
ALL	1ST HIGHEST VALUE IS	328.78092 AT	(603104.25, 4130509.77, 38.71, 38.71, 1.50)	DC
	2ND HIGHEST VALUE IS	316.72406 AT	(603170.74, 4130474.71, 39.01, 39.01, 1.50)	DC
	3RD HIGHEST VALUE IS	250.32695 AT	(603084.25, 4130509.77, 38.71, 38.71, 1.50)	DC
	4TH HIGHEST VALUE IS	214.15479 AT	(603206.05, 4130444.23, 39.32, 39.32, 1.50)	DC
	5TH HIGHEST VALUE IS	191.14300 AT	(603206.05, 4130424.23, 39.32, 39.32, 1.50)	DC
	6TH HIGHEST VALUE IS	173.56805 AT	(603190.74, 4130474.71, 39.02, 39.02, 1.50)	DC
	7TH HIGHEST VALUE IS	172.97726 AT	(603104.25, 4130529.77, 38.71, 38.71, 1.50)	DC
	8TH HIGHEST VALUE IS	168.55287 AT	(603084.25, 4130529.77, 38.71, 38.71, 1.50)	DC
	9TH HIGHEST VALUE IS	164.05924 AT	(603170.74, 4130494.71, 39.00, 39.00, 1.50)	DC
	10TH HIGHEST VALUE IS	150.76869 AT	(603124.25, 4130529.77, 38.71, 38.71, 1.50)	DC

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

*** MODELOPTs: RegDFAULT CONC ELEV FLGPOL URBAN ADJ_U*

*** THE SUMMARY OF HIGHEST 1-HR RESULTS ***

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

NETWORK GROUP ID	AVERAGE CONC	DATE (YYMMDDHH)	RECEPTOR (XR, YR, ZELEV, ZHILL, ZFLAG)	OF TYPE	GRID-ID
ALL	HIGH 1ST HIGH VALUE IS	2714.26847	ON 17030508:	AT	
	(603170.74,	4130474.71,	39.01,	39.01,	1.50) DC

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

```
 *** AERMOD - VERSION 23132  ***   *** C:\Lakes\AERMOD View\36
_tully rd\36_tully rd.isc                    ***        07/23/24
 *** AERMET - VERSION  18081 ***   ***
***        08:49:07

PAGE  29
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  FLGPOL  URBAN  ADJ_U*

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

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

 A Total of            0 Fatal Error Message(s)
 A Total of            3 Warning Message(s)
 A Total of          194 Informational Message(s)

 A Total of         8784 Hours Were Processed

 A Total of           52 Calm Hours Identified

 A Total of          142 Missing Hours Identified (  1.62
Percent)


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


    ********   WARNING MESSAGES   ********
 ME W186      64       MEOPEN: THRESH_1MIN 1-min ASOS wind speed
threshold used           0.50
 ME W187      64       MEOPEN: ADJ_U* Option for Stable Low Winds
used in AERMET
 MX W481    8785         MAIN: Data Remaining After End of Year.
Number of Hours=           24

    ***********************************
    *** AERMOD Finishes Successfully ***
    ***********************************
```

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**
****************************************
**
** AERMOD Input Produced by:
** AERMOD View Ver. 12.0.0
** Lakes Environmental Software Inc.
** Date: 7/23/2024
** File: C:\Lakes\AERMOD View\36_tully rd_GDF_1_loading\36_tully
rd.ADI
**
****************************************
**
**
****************************************
** AERMOD Control Pathway
****************************************
**
**
CO STARTING
   TITLEONE C:\Lakes\AERMOD View\36_tully rd\36_tully rd.isc
   MODELOPT DFAULT CONC
   AVERTIME 1 ANNUAL
   URBANOPT 1010000 San_Jose
   POLLUTID OTHER
   FLAGPOLE 1.50
   RUNORNOT RUN
   ERRORFIL "36_tully rd.err"
CO FINISHED
**
****************************************
** AERMOD Source Pathway
****************************************
**
**
SO STARTING
** Source Location **
** Source ID - Type - X Coord. - Y Coord. **
   LOCATION LOAD         POINT      603133.513  4130473.128
38.920
** Source Parameters **
   SRCPARAM LOAD              1.0     3.660   291.000   0.00035
0.0508
   URBANSRC ALL
   SRCGROUP ALL
SO FINISHED
**
****************************************
** AERMOD Receptor Pathway
****************************************
**
**
RE STARTING
```

```
   INCLUDED "36_tully rd.rou"
RE FINISHED
**
**************************************
** AERMOD Meteorology Pathway
**************************************
**
**
ME STARTING
   SURFFILE "San Jose Intl Airport (KSJC)\KSJC_2017.SFC"
   PROFFILE "San Jose Intl Airport (KSJC)\KSJC_2017.PFL"
   SURFDATA 23293 2017 San_Jose_Airport
   UAIRDATA 23230 2017 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 "36_tully rd.AD\01H1GALL.PLT" 31
   PLOTFILE ANNUAL ALL "36_tully rd.AD\AN00GALL.PLT" 32
   SUMMFILE "36_tully rd.sum"
OU FINISHED


  *** Message Summary For AERMOD Model Setup ***

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

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


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


    ********   WARNING MESSAGES   ********
 ME W186      64       MEOPEN: THRESH_1MIN 1-min ASOS wind speed
threshold used           0.50
 ME W187      64       MEOPEN: ADJ_U* Option for Stable Low Winds
used in AERMET

 ***********************************
 *** SETUP Finishes Successfully ***
```

****

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 *** AERMOD - VERSION 23132  ***   *** C:\Lakes\AERMOD View\36
_tully rd\36_tully rd.isc                    ***        07/23/24
 *** AERMET - VERSION  18081 ***   ***
***        08:44:39

PAGE   1
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  FLGPOL  URBAN  ADJ_U*

                                              ***     MODEL SETUP
OPTIONS SUMMARY       ***
 - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
- - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -

 ** Model Options Selected:
      * Model Uses Regulatory DEFAULT Options
      * Model Is Setup For Calculation of Average CONCentration
Values.
      * NO GAS DEPOSITION Data Provided.
      * NO PARTICLE DEPOSITION Data Provided.
      * Model Uses NO DRY DEPLETION. DDPLETE  =  F
      * Model Uses NO WET DEPLETION. WETDPLT  =  F
      * Stack-tip Downwash.
      * Model Accounts for ELEVated Terrain Effects.
      * Use Calms Processing Routine.
      * Use Missing Data Processing Routine.
      * No Exponential Decay.
      * Model Uses URBAN Dispersion Algorithm for the SBL for
1 Source(s),
        for Total of    1 Urban Area(s):
   Urban Population =   1010000.0 ;  Urban Roughness Length =
1.000 m
      * Urban Roughness Length of 1.0 Meter Used.
      * ADJ_U*   - Use ADJ_U* option for SBL in AERMET
      * CCVR_Sub - Meteorological data includes CCVR
substitutions
      * TEMP_Sub - Meteorological data includes TEMP
substitutions
      * Model Accepts FLAGPOLE Receptor . Heights.
      * The User Specified a Pollutant Type of: OTHER

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

 **This Run Includes:      1 Source(s);       1 Source Group(s);
and     508 Receptor(s)

                 with:      1 POINT(s), including
                            0 POINTCAP(s) and      0 POINTHOR(s)
                  and:      0 VOLUME source(s)
                  and:      0 AREA type source(s)
                  and:      0 LINE source(s)
                  and:      0 RLINE/RLINEXT source(s)
```

```
                and:      0 OPENPIT source(s)
                and:      0 BUOYANT LINE source(s) with a total
of     0 line(s)
                and:      0 SWPOINT source(s)


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

 **The AERMET Input Meteorological Data Version Date:  18081

 **Output Options Selected:
          Model Outputs Tables of ANNUAL Averages by Receptor
          Model Outputs Tables of Highest Short Term Values by
Receptor (RECTABLE Keyword)
          Model Outputs External File(s) of High Values for
Plotting (PLOTFILE Keyword)
          Model Outputs Separate Summary File of High Ranked
Values (SUMMFILE Keyword)

 **NOTE:  The Following Flags May Appear Following CONC Values:
c for Calm Hours

m for Missing Hours

b for Both Calm and Missing Hours

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

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

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

 **Detailed Error/Message File:   36_tully rd.err
 **File for Summary of Results:   36_tully rd.sum
```

*** MODELOPTs: RegDFAULT CONC ELEV FLGPOL URBAN ADJ_U*

*** POINT SOURCE DATA ***

STACK SOURCE ID	STACK HEIGHT (METERS)	STACK TEMP. (DEG.K)	NUMBER PART. CATS.	EMISSION RATE (GRAMS/SEC)	STACK EXIT VEL. (M/SEC)	STACK DIAMETER (METERS)	BLDG EXISTS	URBAN SOURCE	X (METERS)	Y (METERS)	CAP/ HOR (METERS)	BASE ELEV. SCALAR VARY BY	EMIS RATE
LOAD	3.66	291.00	0	0.10000E+01	0.00	0.05	NO	YES	603133.5	4130473.1	NO		38.9

*** MODELOPTs: RegDFAULT CONC ELEV FLGPOL URBAN ADJ_U*

*** SOURCE IDs DEFINING SOURCE GROUPS ***

SRCGROUP ID	SOURCE IDs
ALL	LOAD ,

*** MODELOPTs: RegDFAULT CONC ELEV FLGPOL URBAN ADJ_U*

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

URBAN ID	URBAN POP	SOURCE IDs
	1010000.	LOAD ,

*** MODELOPTs: RegDFAULT CONC ELEV FLGPOL URBAN ADJ_U*

*** DISCRETE CARTESIAN RECEPTORS ***

(X-COORD, Y-COORD, ZELEV, ZHILL, ZFLAG)

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*** MODELOPTs: RegDFAULT CONC ELEV FLGPOL URBAN ADJ_U*

*** DISCRETE CARTESIAN RECEPTORS ***

(X-COORD, Y-COORD, ZELEV, ZHILL, ZFLAG)

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*** MODELOPTs: RegDFAULT CONC ELEV FLGPOL URBAN ADJ_U*

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

(METERS)

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     ( 602890.6, 4130520.7,      38.4,      38.4,       1.5);
( 602890.6, 4130570.7,      38.1,      38.1,       1.5);
     ( 602890.6, 4130620.7,      38.0,      38.0,       1.5);
( 602890.6, 4130670.7,      37.8,      37.8,       1.5);
     ( 602940.6, 4130520.7,      38.4,      38.4,       1.5);
( 602940.6, 4130570.7,      38.1,      38.1,       1.5);
     ( 602940.6, 4130620.7,      38.1,      38.1,       1.5);
( 602754.6, 4130958.5,      36.9,      36.9,       1.5);
     ( 602804.6, 4130858.5,      37.3,      37.3,       1.5);
( 602804.6, 4130908.5,      37.2,      37.2,       1.5);
     ( 602804.6, 4130958.5,      37.1,      37.1,       1.5);
( 602854.6, 4130808.5,      37.5,      37.5,       1.5);
     ( 602854.6, 4130858.5,      37.3,      37.3,       1.5);
( 602854.6, 4130908.5,      37.2,      37.2,       1.5);
     ( 602854.6, 4130958.5,      37.2,      37.2,       1.5);
( 602904.6, 4130758.5,      37.7,      37.7,       1.5);
     ( 602904.6, 4130808.5,      37.5,      37.5,       1.5);
( 602904.6, 4130858.5,      37.5,      37.5,       1.5);
     ( 602904.6, 4130908.5,      37.4,      37.4,       1.5);
( 602904.6, 4130958.5,      37.2,      37.2,       1.5);
     ( 602954.6, 4130708.5,      37.8,      37.8,       1.5);
( 602954.6, 4130758.5,      37.8,      37.8,       1.5);
     ( 602954.6, 4130808.5,      37.5,      37.5,       1.5);
( 602954.6, 4130858.5,      37.5,      37.5,       1.5);
     ( 602954.6, 4130908.5,      37.5,      37.5,       1.5);
( 602954.6, 4130958.5,      37.4,      37.4,       1.5);
     ( 603004.6, 4130658.5,      38.1,      38.1,       1.5);
( 603004.6, 4130708.5,      37.8,      37.8,       1.5);
     ( 603004.6, 4130758.5,      37.8,      37.8,       1.5);
( 603004.6, 4130808.5,      37.8,      37.8,       1.5);
     ( 603004.6, 4130858.5,      37.6,      37.6,       1.5);
( 603004.6, 4130908.5,      37.5,      37.5,       1.5);
     ( 603004.6, 4130958.5,      37.5,      37.5,       1.5);
( 603054.6, 4130658.5,      38.1,      38.1,       1.5);
     ( 603054.6, 4130708.5,      38.1,      38.1,       1.5);
( 603054.6, 4130758.5,      38.0,      38.0,       1.5);
     ( 603054.6, 4130808.5,      37.8,      37.8,       1.5);
( 603054.6, 4130858.5,      37.8,      37.8,       1.5);
     ( 603054.6, 4130908.5,      37.7,      37.7,       1.5);
( 603054.6, 4130958.5,      37.5,      37.5,       1.5);
     ( 603104.6, 4130708.5,      38.3,      38.3,       1.5);
( 603104.6, 4130758.5,      38.1,      38.1,       1.5);
     ( 603104.6, 4130808.5,      38.1,      38.1,       1.5);
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( 603104.6, 4130858.5,      37.8,      37.8,       1.5);
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*** MODELOPTs: RegDFAULT CONC ELEV FLGPOL URBAN ADJ_U*

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

(METERS)

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(603154.6, 4130758.5, 38.3, 38.3, 1.5);
(603154.6, 4130808.5, 38.1, 38.1, 1.5);
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(603154.6, 4130908.5, 37.9, 37.9, 1.5);
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(603254.6, 4130908.5, 38.1, 38.1, 1.5);
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(603304.6, 4130908.5, 38.1, 38.1, 1.5);
(603304.6, 4130958.5, 38.1, 38.1, 1.5);
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(603354.6, 4130958.5, 38.1, 38.1, 1.5);
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(603005.8, 4130359.0, 39.0, 39.0, 1.5);
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(603045.8, 4130359.0, 39.0, 39.0, 1.5);
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(603065.8, 4130379.0, 39.0, 39.0, 1.5);
(603085.8, 4130359.0, 39.0, 39.0, 1.5);
(603105.8, 4130339.0, 39.3, 39.3, 1.5);
(603105.8, 4130359.0, 39.2, 39.2, 1.5);

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( 603125.8, 4130359.0,      39.3,      39.3,       1.5);
     ( 603125.8, 4130379.0,      39.2,      39.2,       1.5);
( 603145.8, 4130359.0,      39.3,      39.3,       1.5);
     ( 603145.8, 4130379.0,      39.3,      39.3,       1.5);
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     ( 603035.2, 4130327.2,      39.3,      39.3,       1.5);
( 603055.2, 4130307.2,      39.3,      39.3,       1.5);
     ( 603055.2, 4130327.2,      39.3,      39.3,       1.5);
( 603075.2, 4130287.2,      39.4,      39.4,       1.5);
     ( 603075.2, 4130307.2,      39.3,      39.3,       1.5);
( 603075.2, 4130327.2,      39.3,      39.3,       1.5);
     ( 603095.2, 4130287.2,      39.4,      39.4,       1.5);
( 603095.2, 4130307.2,      39.3,      39.3,       1.5);
     ( 603115.2, 4130287.2,      39.4,      39.4,       1.5);
( 603135.2, 4130287.2,      39.4,      39.4,       1.5);
     ( 603135.2, 4130307.2,      39.3,      39.3,       1.5);
( 603155.2, 4130287.2,      39.5,      39.5,       1.5);
     ( 603155.2, 4130307.2,      39.4,      39.4,       1.5);
( 603155.2, 4130327.2,      39.3,      39.3,       1.5);
     ( 603175.2, 4130287.2,      39.6,      39.6,       1.5);
( 603175.2, 4130307.2,      39.5,      39.5,       1.5);
     ( 603175.2, 4130327.2,      39.3,      39.3,       1.5);
( 603175.2, 4130347.2,      39.3,      39.3,       1.5);
     ( 602962.7, 4130491.5,      38.6,      38.6,       1.5);
( 602962.7, 4130511.5,      38.4,      38.4,       1.5);
     ( 602962.7, 4130531.5,      38.4,      38.4,       1.5);
( 602962.7, 4130551.5,      38.2,      38.2,       1.5);
     ( 602982.7, 4130511.5,      38.6,      38.6,       1.5);
( 602982.7, 4130531.5,      38.4,      38.4,       1.5);
     ( 602982.7, 4130551.5,      38.3,      38.3,       1.5);
( 602982.7, 4130571.5,      38.3,      38.3,       1.5);
     ( 603002.7, 4130531.5,      38.5,      38.5,       1.5);
( 603002.7, 4130551.5,      38.4,      38.4,       1.5);
     ( 603235.6, 4130440.5,      39.3,      39.3,       1.5);
( 603235.6, 4130460.5,      39.3,      39.3,       1.5);
     ( 603255.6, 4130320.5,      39.6,      39.6,       1.5);
( 603255.6, 4130340.5,      39.6,      39.6,       1.5);
     ( 603255.6, 4130420.5,      39.5,      39.5,       1.5);
( 603255.6, 4130440.5,      39.4,      39.4,       1.5);
     ( 603255.6, 4130460.5,      39.3,      39.3,       1.5);
( 603255.6, 4130480.5,      39.3,      39.3,       1.5);
     ( 603275.6, 4130320.5,      39.8,      39.8,       1.5);
( 603275.6, 4130340.5,      39.7,      39.7,       1.5);
     ( 603275.6, 4130360.5,      39.6,      39.6,       1.5);
( 603275.6, 4130380.5,      39.6,      39.6,       1.5);
     ( 603275.6, 4130400.5,      39.6,      39.6,       1.5);
( 603275.6, 4130420.5,      39.6,      39.6,       1.5);
     ( 603275.6, 4130440.5,      39.5,      39.5,       1.5);
( 603275.6, 4130460.5,      39.4,      39.4,       1.5);
     ( 603275.6, 4130480.5,      39.4,      39.4,       1.5);
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( 603275.6, 4130500.5,      39.4,      39.4,       1.5);
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*** MODELOPTs: RegDFAULT CONC ELEV FLGPOL URBAN ADJ_U*

*** DISCRETE CARTESIAN RECEPTORS ***

(X-COORD, Y-COORD, ZELEV, ZHILL, ZFLAG)

(METERS)

(603295.6, 4130340.5, 39.8, 39.8, 1.5);
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(603295.6, 4130380.5, 39.6, 39.6, 1.5);
(603295.6, 4130400.5, 39.6, 39.6, 1.5);
(603295.6, 4130420.5, 39.6, 39.6, 1.5);
(603295.6, 4130440.5, 39.6, 39.6, 1.5);
(603295.6, 4130460.5, 39.6, 39.6, 1.5);
(603295.6, 4130480.5, 39.6, 39.6, 1.5);
(603295.6, 4130500.5, 39.6, 39.6, 1.5);
(603295.6, 4130520.5, 39.6, 39.6, 1.5);
(603315.6, 4130360.5, 39.8, 39.8, 1.5);
(603315.6, 4130380.5, 39.8, 39.8, 1.5);
(603315.6, 4130400.5, 39.7, 39.7, 1.5);
(603315.6, 4130420.5, 39.6, 39.6, 1.5);
(603315.6, 4130440.5, 39.6, 39.6, 1.5);
(603315.6, 4130460.5, 39.6, 39.6, 1.5);
(603315.6, 4130480.5, 39.6, 39.6, 1.5);
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(603335.6, 4130420.5, 39.8, 39.8, 1.5);
(603335.6, 4130440.5, 39.8, 39.8, 1.5);
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(603335.6, 4130480.5, 39.8, 39.8, 1.5);
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(603355.6, 4130460.5, 39.9, 39.9, 1.5);
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(603045.0, 4130613.3, 38.4, 38.4, 1.5);
(603045.0, 4130633.3, 38.3, 38.3, 1.5);
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(603105.0, 4130653.3, 38.4, 38.4, 1.5);
(603125.0, 4130653.3, 38.5, 38.5, 1.5);
(603145.0, 4130633.3, 38.7, 38.7, 1.5);

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( 603145.0, 4130653.3,      38.7,      38.7,       1.5);
     ( 603165.0, 4130613.3,      38.7,      38.7,       1.5);
( 603165.0, 4130633.3,      38.7,      38.7,       1.5);
     ( 603165.0, 4130653.3,      38.7,      38.7,       1.5);
( 603185.0, 4130593.3,      38.8,      38.8,       1.5);
     ( 603185.0, 4130613.3,      38.8,      38.8,       1.5);
( 603185.0, 4130633.3,      38.8,      38.8,       1.5);
     ( 603185.0, 4130653.3,      38.7,      38.7,       1.5);
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     ( 603205.0, 4130613.3,      39.0,      39.0,       1.5);
( 603205.0, 4130633.3,      38.9,      38.9,       1.5);
     ( 603205.0, 4130653.3,      38.8,      38.8,       1.5);
( 603225.0, 4130613.3,      39.0,      39.0,       1.5);
     ( 603225.0, 4130633.3,      39.0,      39.0,       1.5);
( 603245.0, 4130633.3,      39.0,      39.0,       1.5);
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( 602922.4, 4130426.4,      38.9,      38.9,       1.5);
     ( 602942.4, 4130386.4,      39.0,      39.0,       1.5);
( 602942.4, 4130406.4,      39.0,      39.0,       1.5);
     ( 602942.4, 4130426.4,      38.9,      38.9,       1.5);
( 602942.4, 4130446.4,      38.8,      38.8,       1.5);
     ( 602962.4, 4130386.4,      39.0,      39.0,       1.5);
( 602962.4, 4130406.4,      39.0,      39.0,       1.5);
     ( 602962.4, 4130426.4,      39.0,      39.0,       1.5);
( 602962.4, 4130446.4,      39.0,      39.0,       1.5);
     ( 602962.4, 4130466.4,      38.8,      38.8,       1.5);
( 602982.4, 4130406.4,      39.0,      39.0,       1.5);
     ( 602982.4, 4130426.4,      39.0,      39.0,       1.5);
( 602982.4, 4130446.4,      39.0,      39.0,       1.5);
     ( 602982.4, 4130466.4,      38.8,      38.8,       1.5);
( 602982.4, 4130486.4,      38.7,      38.7,       1.5);
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( 603002.4, 4130446.4,      39.0,      39.0,       1.5);
     ( 603002.4, 4130466.4,      38.8,      38.8,       1.5);
( 603002.4, 4130486.4,      38.7,      38.7,       1.5);
     ( 603002.4, 4130506.4,      38.7,      38.7,       1.5);
( 603022.4, 4130446.4,      39.0,      39.0,       1.5);
     ( 603022.4, 4130466.4,      38.8,      38.8,       1.5);
( 603022.4, 4130486.4,      38.7,      38.7,       1.5);
     ( 603022.4, 4130506.4,      38.7,      38.7,       1.5);
( 603042.4, 4130466.4,      38.8,      38.8,       1.5);
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( 603042.4, 4130506.4,      38.7,      38.7,       1.5);
     ( 603062.4, 4130466.4,      38.6,      38.6,       1.5);
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     ( 603073.5, 4130413.0,      39.0,      39.0,       1.5);
( 603093.5, 4130393.0,      39.0,      39.0,       1.5);
     ( 603093.5, 4130413.0,      39.0,      39.0,       1.5);
( 603093.5, 4130433.0,      38.8,      38.8,       1.5);
     ( 603113.5, 4130393.0,      39.0,      39.0,       1.5);
( 603113.5, 4130413.0,      39.0,      39.0,       1.5);
     ( 603084.2, 4130509.8,      38.7,      38.7,       1.5);
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( 603084.2, 4130529.8,      38.7,      38.7,       1.5);
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*** MODELOPTs: RegDFAULT CONC ELEV FLGPOL URBAN ADJ_U*

*** DISCRETE CARTESIAN RECEPTORS ***

(X-COORD, Y-COORD, ZELEV, ZHILL, ZFLAG)

(METERS)

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(603190.7, 4130494.7, 39.0, 39.0, 1.5);
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(603250.7, 4130554.7, 39.3, 39.3, 1.5);
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(603270.7, 4130554.7, 39.4, 39.4, 1.5);
(603290.7, 4130534.7, 39.6, 39.6, 1.5);
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(603548.2, 4130641.2, 39.3, 39.3, 1.5);
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(603206.1, 4130404.2, 39.3, 39.3, 1.5);
(603206.1, 4130424.2, 39.3, 39.3, 1.5);
(603206.1, 4130444.2, 39.3, 39.3, 1.5);

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     ( 603226.1, 4130404.2,      39.3,      39.3,       1.5);
( 603226.1, 4130424.2,      39.3,      39.3,       1.5);
     ( 603246.1, 4130384.2,      39.5,      39.5,       1.5);
( 603246.1, 4130404.2,      39.4,      39.4,       1.5);
     ( 603096.0, 4130606.1,      38.5,      38.5,       1.5);
( 603096.0, 4130626.1,      38.4,      38.4,       1.5);
     ( 603116.0, 4130606.1,      38.6,      38.6,       1.5);
( 603116.0, 4130626.1,      38.4,      38.4,       1.5);
     ( 603116.0, 4130646.1,      38.4,      38.4,       1.5);
( 603136.0, 4130606.1,      38.7,      38.7,       1.5);
     ( 603136.0, 4130626.1,      38.6,      38.6,       1.5);
( 603094.8, 4130604.9,      38.5,      38.5,       0.0);
     ( 603094.8, 4130624.9,      38.4,      38.4,       0.0);
( 603114.8, 4130604.9,      38.6,      38.6,       0.0);
     ( 603114.8, 4130624.9,      38.4,      38.4,       0.0);
( 603114.8, 4130644.9,      38.4,      38.4,       0.0);
     ( 603134.8, 4130584.9,      38.7,      38.7,       0.0);
( 603134.8, 4130604.9,      38.7,      38.7,       0.0);
     ( 603154.8, 4130584.9,      38.8,      38.8,       0.0);
( 602703.6, 4130052.6,      40.9,      40.9,       1.5);
```

*** MODELOPTs: RegDFAULT CONC ELEV FLGPOL URBAN ADJ_U*

*** METEOROLOGICAL DAYS SELECTED FOR PROCESSING *** (1=YES; 0=NO)

```
            1 1 1 1 1 1 1 1 1 1   1 1 1 1 1 1 1 1 1 1   1 1 1 1 1
1 1 1 1 1   1 1 1 1 1 1 1 1 1 1   1 1 1 1 1 1 1 1 1 1
            1 1 1 1 1 1 1 1 1 1   1 1 1 1 1 1 1 1 1 1   1 1 1 1 1
1 1 1 1 1   1 1 1 1 1 1 1 1 1 1   1 1 1 1 1 1 1 1 1 1
            1 1 1 1 1 1 1 1 1 1   1 1 1 1 1 1 1 1 1 1   1 1 1 1 1
1 1 1 1 1   1 1 1 1 1 1 1 1 1 1   1 1 1 1 1 1 1 1 1 1
            1 1 1 1 1 1 1 1 1 1   1 1 1 1 1 1 1 1 1 1   1 1 1 1 1
1 1 1 1 1   1 1 1 1 1 1 1 1 1 1   1 1 1 1 1 1 1 1 1 1
            1 1 1 1 1 1 1 1 1 1   1 1 1 1 1 1 1 1 1 1   1 1 1 1 1
1 1 1 1 1   1 1 1 1 1 1 1 1 1 1   1 1 1 1 1 1 1 1 1 1
            1 1 1 1 1 1 1 1 1 1   1 1 1 1 1 1 1 1 1 1   1 1 1 1 1
1 1 1 1 1   1 1 1 1 1 1 1 1 1 1   1 1 1 1 1 1 1 1 1 1
            1 1 1 1 1 1 1 1 1 1   1 1 1 1 1
```

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

*** UPPER BOUND OF FIRST THROUGH FIFTH WIND SPEED CATEGORIES ***

(METERS/SEC)

1.54, 3.09, 5.14, 8.23, 10.80,

*** MODELOPTs: RegDFAULT CONC ELEV FLGPOL URBAN ADJ_U*

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

Surface file: San Jose Intl Airport (KSJC)\KSJC_2017.SFC Met Version: 18081
Profile file: San Jose Intl Airport (KSJC)\KSJC_2017.PFL
Surface format: FREE
Profile format: FREE
Surface station no.: 23293 Upper air station no.: 23230
Name: SAN_JOSE_AIRPORT Name: OAKLAND/WSO_AP
Year: 2017 Year: 2017

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
17	01	01	1	01	-22.4	0.219	-9.000	-9.000	-999.	246.	52.9	0.02	0.68	1.00	3.36	121.	7.9	277.5	2.0
17	01	01	1	02	-12.5	0.138	-9.000	-9.000	-999.	125.	21.0	0.02	0.68	1.00	2.17	180.	7.9	278.1	2.0
17	01	01	1	03	-16.7	0.164	-9.000	-9.000	-999.	160.	29.6	0.02	0.68	1.00	2.55	137.	7.9	278.8	2.0
17	01	01	1	04	-17.5	0.172	-9.000	-9.000	-999.	172.	32.7	0.02	0.68	1.00	2.67	125.	7.9	279.2	2.0
17	01	01	1	05	-21.8	0.215	-9.000	-9.000	-999.	239.	50.6	0.02	0.68	1.00	3.29	122.	7.9	279.2	2.0
17	01	01	1	06	-15.2	0.153	-9.000	-9.000	-999.	145.	25.8	0.02	0.68	1.00	2.39	154.	7.9	279.9	2.0
17	01	01	1	07	-18.9	0.187	-9.000	-9.000	-999.	194.	38.3	0.02	0.68	1.00	2.88	124.	7.9	279.9	2.0
17	01	01	1	08	-17.7	0.175	-9.000	-9.000	-999.	176.	33.7	0.02	0.68	0.74	2.71	132.	7.9	279.9	2.0
17	01	01	1	09	5.8	0.168	0.369	0.005	314.	166.	-74.7	0.02	0.68	0.39	2.32	134.	7.9	280.9	2.0
17	01	01	1	10	35.9	0.138	0.923	0.018	792.	123.	-6.6	0.02	0.68	0.27	1.59	138.	7.9	282.0	2.0
17	01	01	1	11	59.1	0.123	1.168	0.019	974.	104.	-2.9	0.02	0.68	0.23	1.28	129.	7.9	284.2	2.0
17	01	01	1	12	72.0	0.252	1.293	0.020	1085.	304.	-20.1	0.02	0.68	0.21	3.34	280.	7.9	284.9	2.0

```
 17 01 01   1 13   87.9  0.389  1.384  0.019 1089.  582.    -60.3
0.05   0.68   0.21    4.65  263.    7.9  285.9    2.0
 17 01 01   1 14   65.5  0.353  1.256  0.019 1091.  504.    -60.5
0.05   0.68   0.22    4.22  270.    7.9  285.9    2.0
 17 01 01   1 15   46.1  0.403  1.118  0.018 1093.  613.   -128.0
0.05   0.68   0.25    4.97  244.    7.9  285.4    2.0
 17 01 01   1 16   18.2  0.370  0.820  0.018 1094.  542.   -252.7
0.02   0.68   0.33    5.44  281.    7.9  285.4    2.0
 17 01 01   1 17  -32.0  0.420 -9.000 -9.000 -999.  653.    209.2
0.02   0.68   0.57    6.43  279.    7.9  283.1    2.0
 17 01 01   1 18  -28.9  0.288 -9.000 -9.000 -999.  382.     91.1
0.05   0.68   1.00    3.85  243.    7.9  282.0    2.0
 17 01 01   1 19  -18.6  0.185 -9.000 -9.000 -999.  197.     37.6
0.05   0.68   1.00    2.52  246.    7.9  282.0    2.0
 17 01 01   1 20  -13.3  0.147 -9.000 -9.000 -999.  135.     23.7
0.05   0.68   1.00    2.03  225.    7.9  280.9    2.0
 17 01 01   1 21   -7.4  0.105 -9.000 -9.000 -999.   82.     14.3
0.02   0.68   1.00    1.69  116.    7.9  282.0    2.0
 17 01 01   1 22  -10.4  0.130 -9.000 -9.000 -999.  112.     19.0
0.05   0.68   1.00    1.76   94.    7.9  281.4    2.0
 17 01 01   1 23  -14.5  0.149 -9.000 -9.000 -999.  138.     24.5
0.02   0.68   1.00    2.33  133.    7.9  280.9    2.0
 17 01 01   1 24  -21.8  0.215 -9.000 -9.000 -999.  240.     51.0
0.02   0.68   1.00    3.30  114.    7.9  280.4    2.0


 First hour of profile data
 YR MO DY HR HEIGHT F  WDIR    WSPD AMB_TMP sigmaA  sigmaW
sigmaV
 17 01 01 01    7.9 1  121.    3.36   277.6
99.0  -99.00  -99.00

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

*** MODELOPTs: RegDFAULT CONC ELEV FLGPOL URBAN ADJ_U*

*** THE ANNUAL AVERAGE CONCENTRATION VALUES AVERAGED OVER 1 YEARS FOR SOURCE GROUP: ALL ***
INCLUDING SOURCE(S):
LOAD ,

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

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

X-COORD (M)	Y-COORD (M)	CONC	X-COORD (M)	Y-COORD (M)	CONC
602766.91	4130103.30	1.61672	602766.91	4130153.30	1.83133
602816.91	4130053.30	1.58604	602816.91	4130103.30	1.80837
602816.91	4130153.30	2.07568	602816.91	4130203.30	2.40283
602866.91	4130003.30	1.52492	602866.91	4130053.30	1.75010
602866.91	4130103.30	2.02560	602866.91	4130153.30	2.36527
602866.91	4130203.30	2.78751	602866.91	4130253.30	3.32217
602916.91	4129953.30	1.43666	602916.91	4130003.30	1.65330
602916.91	4130053.30	1.92290	602916.91	4130103.30	2.26266
602916.91	4130153.30	2.69561	602916.91	4130203.30	3.25337
602916.91	4130253.30	3.98313	602966.91	4129953.30	1.53040
602966.91	4130003.30	1.77908	602966.91	4130053.30	2.09620
602966.91	4130103.30	2.50853	602966.91	4130153.30	3.05601
602966.91	4130203.30	3.79529	602966.91	4130253.30	4.81834
602966.91	4130303.30	6.26712	603016.91	4129953.30	1.61866
603016.91	4130003.30	1.89809			

603016.91 4130053.30 2.26201
603016.91 4130103.30 2.74868
603016.91 4130153.30 3.42019
603016.91 4130203.30 4.37663
603016.91 4130253.30 5.80041
603016.91 4130303.30 8.01086
603066.91 4129953.30 1.70402
603066.91 4130003.30 2.01127
603066.91 4130053.30 2.41841
603066.91 4130103.30 2.97448
603066.91 4130153.30 3.76484
603066.91 4130203.30 4.94709
603066.91 4130253.30 6.81494
603116.91 4129953.30 1.79999
603116.91 4130003.30 2.13850
603116.91 4130053.30 2.59254
603116.91 4130103.30 3.22240
603116.91 4130153.30 4.13637
603116.91 4130203.30 5.53624
603116.91 4130253.30 7.86555
603166.91 4129953.30 1.93910
603166.91 4130003.30 2.32842
603166.91 4130053.30 2.86146
603166.91 4130103.30 3.62068
603166.91 4130153.30 4.76014
603166.91 4130203.30 6.59356
603216.91 4129953.30 2.15560
603216.91 4130003.30 2.63423
603216.91 4130053.30 3.30571
603216.91 4130103.30 4.29607
603216.91 4130153.30 5.84837
603216.91 4130203.30 8.47037
603216.91 4130253.30 13.37084
603266.91 4129953.30 2.45936
603266.91 4130003.30 3.05902
603266.91 4130053.30 3.91787
603266.91 4130103.30 5.19758
603266.91 4130153.30 7.21694
603266.91 4130203.30 10.57454
603316.91 4129953.30 2.82643
603316.91 4130003.30 3.55286
603316.91 4130053.30 4.58619
603316.91 4130103.30 6.09758
603316.91 4130153.30 8.39219
603366.91 4129953.30 3.20573
603366.91 4130003.30 4.02408
603366.91 4130053.30 5.15692
603366.91 4130103.30 6.75688
603416.91 4129953.30 3.53148
603416.91 4130003.30 4.38668
603466.91 4129953.30 3.76090

*** MODELOPTs: RegDFAULT CONC ELEV FLGPOL URBAN ADJ_U*

*** THE ANNUAL AVERAGE CONCENTRATION VALUES AVERAGED OVER 1 YEARS FOR SOURCE GROUP: ALL ***
INCLUDING SOURCE(S):
LOAD ,

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

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

X-COORD (M)	Y-COORD (M)	CONC	X-COORD (M)	Y-COORD (M)	CONC
603308.27	4130247.67	16.96944	603308.27	4130297.67	26.36891
603358.27	4130197.67	11.96950	603358.27	4130247.67	16.85593
603358.27	4130297.67	23.63080	603358.27	4130347.67	30.10982
603358.27	4130397.67	29.57167	603408.27	4130097.67	6.84537
603408.27	4130147.67	8.92244	603408.27	4130197.67	11.80254
603408.27	4130247.67	15.60996	603408.27	4130297.67	19.77107
603408.27	4130347.67	21.93286	603408.27	4130397.67	19.31202
603408.27	4130447.67	13.70323	603458.27	4130047.67	5.53396
603458.27	4130097.67	6.93395	603458.27	4130147.67	8.77019
603458.27	4130197.67	11.12363	603458.27	4130247.67	13.82297
603458.27	4130297.67	16.00146	603458.27	4130347.67	16.06695
603458.27	4130397.67	13.37332	603458.27	4130447.67	9.79368
603458.27	4130497.67	7.39369	603508.27	4129997.67	4.57068
603508.27	4130047.67	5.55787	603508.27	4130097.67	6.80449
603508.27	4130147.67	8.36314			

603508.27 4130197.67 10.17271
603508.27 4130247.67 11.89631
603508.27 4130297.67 12.77418
603508.27 4130347.67 11.99508
603508.27 4130397.67 9.75704
603508.27 4130447.67 7.37529
603508.27 4130497.67 5.80829
603508.27 4130547.67 4.91433
603558.27 4129997.67 4.56524
603558.27 4130047.67 5.45358
603558.27 4130097.67 6.53563
603558.27 4130147.67 7.79917
603558.27 4130197.67 9.10566
603558.27 4130247.67 10.07700
603558.27 4130297.67 10.18370
603558.27 4130347.67 9.16430
603558.27 4130397.67 7.41587
603558.27 4130447.67 5.77029
603558.27 4130497.67 4.69759
603558.27 4130547.67 4.05087
603558.27 4130597.67 3.56996
603608.27 4129997.67 4.48159
603608.27 4130047.67 5.26572
603608.27 4130097.67 6.17918
603608.27 4130147.67 7.15999
603608.27 4130197.67 8.02339
603608.27 4130247.67 8.46040
603608.27 4130297.67 8.17969
603608.27 4130347.67 7.16539
603608.27 4130397.67 5.82410
603608.27 4130447.67 4.65597
603608.27 4130497.67 3.88551
603608.27 4130547.67 3.40458
603608.27 4130597.67 3.04163
603658.27 4129997.67 4.34247
603658.27 4130047.67 5.02412
603658.27 4130097.67 5.76792
603658.27 4130147.67 6.48531
603658.27 4130197.67 7.00412
603658.27 4130247.67 7.09381
603658.27 4130297.67 6.63226
603658.27 4130347.67 5.73244
603658.27 4130397.67 4.69777
603658.27 4130447.67 3.84303
603658.27 4130497.67 3.27507
603658.27 4130547.67 2.90520
603658.27 4130597.67 2.62418
602640.57 4130170.66 1.42190
602640.57 4130220.66 1.58852
602640.57 4130270.66 1.78718
602640.57 4130320.66 2.01841

*** MODELOPTs: RegDFAULT CONC ELEV FLGPOL URBAN ADJ_U*

*** THE ANNUAL AVERAGE CONCENTRATION VALUES AVERAGED OVER 1 YEARS FOR SOURCE GROUP: ALL ***
INCLUDING SOURCE(S):
LOAD ,

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

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

X-COORD (M)	Y-COORD (M)	CONC	X-COORD (M)	Y-COORD (M)	CONC
602640.57	4130370.66	2.28123	602640.57	4130420.66	2.58063
602640.57	4130470.66	2.93941	602640.57	4130520.66	3.42691
602640.57	4130570.66	4.13157	602640.57	4130620.66	5.00808
602640.57	4130670.66	5.80881	602640.57	4130720.66	6.25494
602640.57	4130770.66	6.25701	602640.57	4130820.66	5.91193
602640.57	4130870.66	5.37355	602640.57	4130920.66	4.77024
602690.57	4130220.66	1.79157	602690.57	4130270.66	2.03509
602690.57	4130320.66	2.32768	602690.57	4130370.66	2.66646
602690.57	4130420.66	3.06031	602690.57	4130470.66	3.54106
602690.57	4130520.66	4.21880	602690.57	4130570.66	5.21084
602690.57	4130620.66	6.37080	602690.57	4130670.66	7.25839
602690.57	4130720.66	7.54071	602690.57	4130770.66	7.23857
602690.57	4130820.66	6.58073	602690.57	4130870.66	5.78782
602690.57	4130920.66	5.00372	602740.57	4130220.66	2.03927
602740.57	4130270.66	2.34333			

602740.57 4130320.66 2.71624
602740.57 4130370.66 3.16620
602740.57 4130420.66 3.69819
602740.57 4130470.66 4.36419
602740.57 4130520.66 5.34465
602740.57 4130570.66 6.78383
602740.57 4130620.66 8.29457
602740.57 4130670.66 9.14600
602740.57 4130720.66 9.04633
602740.57 4130770.66 8.26355
602740.57 4130820.66 7.19913
602740.57 4130870.66 6.12188
602790.57 4130270.66 2.72988
602790.57 4130320.66 3.21682
602790.57 4130370.66 3.82902
602790.57 4130420.66 4.57487
602790.57 4130470.66 5.53760
602790.57 4130520.66 7.02965
602790.57 4130570.66 9.17719
602790.57 4130620.66 11.04711
602790.57 4130670.66 11.54581
602790.57 4130720.66 10.70948
602790.57 4130770.66 9.23959
602790.57 4130820.66 7.69986
602840.57 4130320.66 3.87837
602840.57 4130370.66 4.73760
602840.57 4130420.66 5.83085
602840.57 4130470.66 7.30090
602840.57 4130520.66 9.72335
602840.57 4130570.66 12.99394
602840.57 4130620.66 14.97817
602840.57 4130670.66 14.43508
602840.57 4130720.66 12.36793
602840.57 4130770.66 10.03607
602890.57 4130370.66 6.03216
602890.57 4130420.66 7.72947
602890.57 4130470.66 10.14537
602890.57 4130520.66 14.40594
602890.57 4130570.66 19.35903
602890.57 4130620.66 20.39522
602890.57 4130670.66 17.54819
602940.57 4130520.66 23.58470
602940.57 4130570.66 30.21818
602940.57 4130620.66 27.08989
602754.62 4130958.49 4.55570
602804.62 4130858.49 6.70372
602804.62 4130908.49 5.50157
602804.62 4130958.49 4.56203
602854.62 4130808.49 8.54284
602854.62 4130858.49 6.79446
602854.62 4130908.49 5.48372

*** MODELOPTs: RegDFAULT CONC ELEV FLGPOL URBAN ADJ_U*

*** THE ANNUAL AVERAGE CONCENTRATION VALUES AVERAGED OVER 1 YEARS FOR SOURCE GROUP: ALL ***
INCLUDING SOURCE(S):
LOAD ,

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

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

X-COORD (M)	Y-COORD (M)	CONC	X-COORD (M)	Y-COORD (M)	CONC
602854.62	4130958.49	4.50150	602904.62	4130758.49	11.32463
602904.62	4130808.49	8.63028	602904.62	4130858.49	6.72596
602904.62	4130908.49	5.36407	602904.62	4130958.49	4.36645
602954.62	4130708.49	15.85761	602954.62	4130758.49	11.35930
602954.62	4130808.49	8.44065	602954.62	4130858.49	6.49133
602954.62	4130908.49	5.14026	602954.62	4130958.49	4.17126
603004.62	4130658.49	24.02281	603004.62	4130708.49	15.65949
603004.62	4130758.49	10.89244	603004.62	4130808.49	7.99827
603004.62	4130858.49	6.12828	603004.62	4130908.49	4.85568
603004.62	4130958.49	3.95233	603054.62	4130658.49	22.90840
603054.62	4130708.49	14.53212	603054.62	4130758.49	10.07275
603054.62	4130808.49	7.42664	603054.62	4130858.49	5.72731
603054.62	4130908.49	4.56986	603054.62	4130958.49	3.74397
603104.62	4130708.49	12.97005	603104.62	4130758.49	9.13907
603104.62	4130808.49	6.82926			

603104.62 4130858.49 5.32598
603104.62 4130908.49 4.28652
603104.62 4130958.49 3.53636
603154.62 4130708.49 11.06025
603154.62 4130758.49 8.02918
603154.62 4130808.49 6.13076
603154.62 4130858.49 4.85429
603154.62 4130908.49 3.95456
603154.62 4130958.49 3.29294
603204.62 4130708.49 8.85241
603204.62 4130758.49 6.70179
603204.62 4130808.49 5.27147
603204.62 4130858.49 4.27228
603204.62 4130908.49 3.54161
603204.62 4130958.49 2.99058
603254.62 4130658.49 9.74607
603254.62 4130708.49 7.20509
603254.62 4130758.49 5.57380
603254.62 4130808.49 4.47185
603254.62 4130858.49 3.68796
603254.62 4130908.49 3.10538
603254.62 4130958.49 2.65895
603304.62 4130758.49 4.81710
603304.62 4130908.49 2.74611
603304.62 4130958.49 2.36626
603354.62 4130908.49 2.49009
603354.62 4130958.49 2.15037
603005.81 4130339.02 9.69183
603005.81 4130359.02 11.24852
603025.81 4130359.02 12.95123
603025.81 4130379.02 15.44719
603045.81 4130359.02 14.97098
603045.81 4130379.02 18.29708
603065.81 4130359.02 17.27592
603065.81 4130379.02 21.77875
603085.81 4130359.02 19.72757
603105.81 4130339.02 17.13671
603105.81 4130359.02 22.16592
603105.81 4130379.02 29.93099
603125.81 4130339.02 19.06432
603125.81 4130359.02 25.09407
603125.81 4130379.02 34.72901
603145.81 4130359.02 29.97526
603145.81 4130379.02 43.15541
603035.25 4130307.16 9.00585
603035.25 4130327.16 10.53597
603055.25 4130307.16 9.88850
603055.25 4130327.16 11.76154
603075.25 4130287.16 9.05956
603075.25 4130307.16 10.77140
603075.25 4130327.16 13.02039

*** MODELOPTs: RegDFAULT CONC ELEV FLGPOL URBAN ADJ_U*

*** THE ANNUAL AVERAGE CONCENTRATION VALUES AVERAGED OVER 1 YEARS FOR SOURCE GROUP: ALL ***
INCLUDING SOURCE(S):
LOAD ,

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

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

X-COORD (M)	Y-COORD (M)	CONC	X-COORD (M)	Y-COORD (M)	CONC
603095.25	4130287.16	9.69387	603095.25	4130307.16	11.64327
603115.25	4130287.16	10.39674	603135.25	4130287.16	11.34230
603135.25	4130307.16	13.90067	603155.25	4130287.16	12.72775
603155.25	4130307.16	15.87271	603155.25	4130327.16	20.41577
603175.25	4130287.16	14.63192	603175.25	4130307.16	18.59821
603175.25	4130327.16	24.50458	603175.25	4130347.16	33.70441
602962.66	4130491.49	23.02282	602962.66	4130511.49	28.17568
602962.66	4130531.49	33.22443	602962.66	4130551.49	36.49482
602982.66	4130511.49	36.64890	602982.66	4130531.49	42.95009
602982.66	4130551.49	45.68447	602982.66	4130571.49	44.31767
603002.66	4130531.49	56.71770	603002.66	4130551.49	57.34143
603235.59	4130440.48	116.12055	603235.59	4130460.48	87.71996
603255.59	4130320.48	34.08379	603255.59	4130340.48	43.86947
603255.59	4130420.48	90.00435	603255.59	4130440.48	80.75843
603255.59	4130460.48	61.47799			

603255.59 4130480.48 44.43533
603275.59 4130320.48 34.14986
603275.59 4130340.48 42.52183
603275.59 4130360.48 52.30467
603275.59 4130380.48 62.04086
603275.59 4130400.48 68.56037
603275.59 4130420.48 67.83662
603275.59 4130440.48 58.69152
603275.59 4130460.48 45.40513
603275.59 4130480.48 34.32695
603275.59 4130500.48 27.47369
603295.59 4130340.48 39.96640
603295.59 4130360.48 47.03909
603295.59 4130380.48 52.84916
603295.59 4130400.48 55.16724
603295.59 4130420.48 52.15130
603295.59 4130440.48 44.31123
603295.59 4130460.48 34.90963
603295.59 4130480.48 27.33084
603295.59 4130500.48 22.44238
603295.59 4130520.48 19.22355
603315.59 4130360.48 41.50318
603315.59 4130380.48 44.55487
603315.59 4130400.48 44.57823
603315.59 4130420.48 40.94145
603315.59 4130440.48 34.58260
603315.59 4130460.48 27.75680
603315.59 4130480.48 22.34196
603315.59 4130500.48 18.72728
603315.59 4130520.48 16.27598
603335.59 4130380.48 37.51246
603335.59 4130420.48 32.75490
603335.59 4130440.48 27.67229
603335.59 4130460.48 22.59795
603335.59 4130480.48 18.60618
603355.59 4130440.48 22.62386
603355.59 4130460.48 18.76875
603025.04 4130593.30 48.38177
603025.04 4130613.30 38.53519
603045.04 4130613.30 38.80021
603045.04 4130633.30 30.54513
603065.04 4130613.30 37.91600
603065.04 4130633.30 29.54107
603085.04 4130633.30 28.07230
603085.04 4130653.30 22.47889
603105.04 4130653.30 21.16157
603125.04 4130653.30 19.67952
603145.04 4130633.30 21.93017
603145.04 4130653.30 17.99967
603165.04 4130613.30 23.80951
603165.04 4130633.30 19.42879

*** MODELOPTs: RegDFAULT CONC ELEV FLGPOL URBAN ADJ_U*

*** THE ANNUAL AVERAGE CONCENTRATION VALUES AVERAGED OVER 1 YEARS FOR SOURCE GROUP: ALL ***
INCLUDING SOURCE(S):
LOAD ,

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

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

X-COORD (M)	Y-COORD (M)	CONC	X-COORD (M)	Y-COORD (M)	CONC
603165.04	4130653.30	16.18521	603185.04	4130593.30	25.26090
603185.04	4130613.30	20.51185	603185.04	4130633.30	17.02796
603185.04	4130653.30	14.39383	603205.04	4130593.30	21.69731
603205.04	4130613.30	17.87173	603205.04	4130633.30	15.01313
603205.04	4130653.30	12.82720	603225.04	4130613.30	15.83205
603225.04	4130633.30	13.42938	603245.04	4130633.30	12.13398
602922.39	4130406.41	8.75072	602922.39	4130426.41	9.82399
602942.39	4130386.41	8.85480	602942.39	4130406.41	10.01422
602942.39	4130426.41	11.36841	602942.39	4130446.41	12.97018
602962.39	4130386.41	10.11590	602962.39	4130406.41	11.58228
602962.39	4130426.41	13.32229	602962.39	4130446.41	15.40686
602962.39	4130466.41	18.08940	602982.39	4130406.41	13.55977
602982.39	4130426.41	15.85708	602982.39	4130446.41	18.66674
602982.39	4130466.41	22.37082	602982.39	4130486.41	27.66140
603002.39	4130426.41	19.21781			

603002.39 4130446.41 23.13815
603002.39 4130466.41 28.46049
603002.39 4130486.41 36.36321
603002.39 4130506.41 46.63040
603022.39 4130446.41 29.51053
603022.39 4130466.41 37.55798
603022.39 4130486.41 50.11566
603022.39 4130506.41 65.74842
603042.39 4130466.41 52.09640
603042.39 4130486.41 73.67926
603042.39 4130506.41 97.90992
603062.39 4130466.41 77.46200
603073.49 4130393.01 28.06753
603073.49 4130413.01 37.66949
603093.49 4130393.01 34.16707
603093.49 4130413.01 48.99282
603093.49 4130433.01 74.76017
603113.49 4130393.01 40.66075
603113.49 4130413.01 62.42207
603084.25 4130509.77 250.31132
603084.25 4130529.77 168.54699
603104.25 4130509.77 328.74534
603104.25 4130529.77 172.96896
603104.25 4130549.77 102.34740
603124.25 4130529.77 150.75959
603170.74 4130474.71 316.67442
603170.74 4130494.71 164.04601
603190.74 4130474.71 173.55766
603190.74 4130494.71 103.70325
603190.74 4130514.71 72.23837
603210.74 4130494.71 70.85886
603210.74 4130514.71 52.89296
603210.74 4130534.71 40.68555
603230.74 4130494.71 51.36312
603230.74 4130514.71 40.14280
603230.74 4130534.71 32.28108
603230.74 4130554.71 26.29348
603250.74 4130514.71 31.54340
603250.74 4130534.71 26.17160
603250.74 4130554.71 21.94893
603270.74 4130534.71 21.60912
603270.74 4130554.71 18.52239
603290.74 4130534.71 18.12405
603348.17 4130591.19 8.90606
603348.17 4130641.19 7.07300
603398.17 4130541.19 8.46784
603398.17 4130591.19 6.90661
603398.17 4130641.19 5.68829
603448.17 4130541.19 6.54586
603448.17 4130591.19 5.51145
603448.17 4130641.19 4.66832

*** MODELOPTs: RegDFAULT CONC ELEV FLGPOL URBAN ADJ_U*

*** THE ANNUAL AVERAGE CONCENTRATION VALUES AVERAGED OVER 1 YEARS FOR SOURCE GROUP: ALL ***
INCLUDING SOURCE(S):
LOAD ,

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

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

X-COORD (M)	Y-COORD (M)	CONC	X-COORD (M)	Y-COORD (M)	CONC
603498.17	4130591.19	4.50585	603498.17	4130641.19	3.90090
603548.17	4130641.19	3.31038	603206.05	4130384.23	88.31771
603206.05	4130404.23	134.01617	603206.05	4130424.23	191.13810
603206.05	4130444.23	214.14683	603226.05	4130384.23	86.84270
603226.05	4130404.23	117.52304	603226.05	4130424.23	142.04637
603246.05	4130384.23	79.02359	603246.05	4130404.23	96.43378
603096.01	4130606.06	38.45872	603096.01	4130626.06	29.58845
603116.01	4130606.06	35.36541	603116.01	4130626.06	27.43552
603116.01	4130646.06	21.94674	603136.01	4130606.06	31.71676
603136.01	4130626.06	24.92917	603094.75	4130604.93	39.30207
603094.75	4130624.93	30.12032	603114.75	4130604.93	36.29627
603114.75	4130624.93	27.96267	603114.75	4130644.93	22.31973
603134.75	4130584.93	43.36875	603134.75	4130604.93	32.63905
603154.75	4130584.93	36.85157	602703.60	4130052.56	1.26628

*** MODELOPTs: RegDFAULT CONC ELEV FLGPOL URBAN ADJ_U*

*** THE 1ST HIGHEST 1-HR AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: ALL *** INCLUDING SOURCE(S): LOAD ,

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

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

X-COORD (M)	Y-COORD (M)	CONC	(YYMMDDHH)
602766.91	4130103.30	52.91914	(17021004)
602766.91	4130153.30	63.01322	(17112019)
602816.91	4130053.30	48.75184	(17080305)
602816.91	4130103.30	55.57212	(17032823)
602816.91	4130153.30	65.01131	(17021004)
602816.91	4130203.30	78.89311	(17112019)
602866.91	4130003.30	53.02551	(17010906)
602866.91	4130053.30	58.27483	(17010906)
602866.91	4130103.30	61.02575	(17080305)
602866.91	4130153.30	68.30480	(17032823)
602866.91	4130203.30	82.81477	(17021004)
602866.91	4130253.30	102.46095	(17112019)
602916.91	4129953.30	52.37120	(17121923)
602916.91	4130003.30	56.33059	(17121923)
602916.91	4130053.30	62.33198	(17010906)
602916.91	4130103.30	73.50765	(17010906)
602916.91	4130153.30	80.49716	(17010906)
602916.91	4130203.30	86.74945	(17032823)
602916.91	4130253.30	110.93072	(17021004)
602966.91	4129953.30	54.46097	(17010624)
602966.91	4130003.30	62.30565	(17121923)
602966.91	4130053.30	72.08524	(17121923)
602966.91	4130103.30	80.94061	(17121923)
602966.91	4130153.30	92.00565	(17010906)
602966.91	4130203.30	111.59117	(17010906)
602966.91	4130253.30	122.72966	(17080305)
602966.91	4130303.30	160.88595	(17112019)
603016.91	4129953.30	50.58384	(17122623)

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        603016.91   4130003.30       60.39954  (17010624)
603016.91   4130053.30       73.10243  (17010624)
        603016.91   4130103.30       88.09528  (17010624)
603016.91   4130153.30      107.22601  (17121923)
        603016.91   4130203.30      130.15476  (17121923)
603016.91   4130253.30      156.88515  (17010906)
        603016.91   4130303.30      198.14898  (17010906)
603066.91   4129953.30       57.92893  (17111122)
        603066.91   4130003.30       65.94873  (17111122)
603066.91   4130053.30       75.74455  (17111122)
        603066.91   4130103.30       87.75909  (17111122)
603066.91   4130153.30      102.47717  (17111122)
        603066.91   4130203.30      134.65918  (17010624)
603066.91   4130253.30      184.49305  (17010624)
        603116.91   4129953.30       57.69399  (17121217)
603116.91   4130003.30       66.76202  (17121217)
        603116.91   4130053.30       78.53121  (17121217)
603116.91   4130103.30       94.25507  (17121217)
        603116.91   4130153.30      116.09139  (17121217)
603116.91   4130203.30      147.86048  (17121217)
        603116.91   4130253.30      197.43149  (17121217)
603166.91   4129953.30       67.53816  (17111324)
        603166.91   4130003.30       80.88285  (17111324)
603166.91   4130053.30       98.50848  (17111324)
        603166.91   4130103.30      123.04144  (17122518)
603166.91   4130153.30      158.61409  (17122518)
        603166.91   4130203.30      210.83864  (17122518)
603216.91   4129953.30       88.02014  (17122518)
        603216.91   4130003.30      102.63520  (17122518)
603216.91   4130053.30      119.86801  (17122518)
        603216.91   4130103.30      139.78329  (17122518)
603216.91   4130153.30      167.27937  (17112021)
        603216.91   4130203.30      205.71612  (17122517)
603216.91   4130253.30      270.49509  (17121318)
        603266.91   4129953.30       85.27559  (17112021)
603266.91   4130003.30       96.64437  (17122517)
        603266.91   4130053.30      109.97932  (17122517)
603266.91   4130103.30      128.39935  (17121318)
        603266.91   4130153.30      161.00336  (17121318)
603266.91   4130203.30      189.95819  (17122317)
        603316.91   4129953.30       78.09379  (17121318)
603316.91   4130003.30       94.15369  (17121318)
        603316.91   4130053.30      109.21713  (17121318)
603316.91   4130103.30      122.08065  (17122317)
        603316.91   4130153.30      147.58358  (17122317)
603366.91   4129953.30       80.13855  (17121318)
        603366.91   4130003.30       87.18213  (17122317)
603366.91   4130053.30      102.65832  (17122317)
        603366.91   4130103.30      117.10089  (17112401)
603416.91   4129953.30       76.73764  (17122317)
        603416.91   4130003.30       83.82455  (17112401)
603466.91   4129953.30       72.72567  (17112401)
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*** MODELOPTs: RegDFAULT CONC ELEV FLGPOL URBAN ADJ_U*

*** THE 1ST HIGHEST 1-HR AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: ALL *** INCLUDING SOURCE(S): LOAD ,

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

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

X-COORD (M)	Y-COORD (M)	CONC	(YYMMDDHH)
603308.27	4130247.67	210.85913	(17112406)
603308.27	4130297.67	247.00334	(17012918)
603358.27	4130197.67	152.24591	(17112406)
603358.27	4130247.67	173.59583	(17012918)
603358.27	4130297.67	208.91960	(17112321)
603358.27	4130347.67	279.10576	(17122416)
603358.27	4130397.67	272.38562	(17121520)
603408.27	4130097.67	107.03068	(17112406)
603408.27	4130147.67	118.08519	(17122319)
603408.27	4130197.67	130.94078	(17012918)
603408.27	4130247.67	155.67380	(17111918)
603408.27	4130297.67	182.16199	(17122416)
603408.27	4130347.67	192.23328	(17121319)
603408.27	4130397.67	210.53956	(17011118)
603408.27	4130447.67	209.34483	(17120118)
603458.27	4130047.67	88.36016	(17112406)
603458.27	4130097.67	95.86658	(17122319)
603458.27	4130147.67	103.40397	(17012918)
603458.27	4130197.67	121.36842	(17111918)
603458.27	4130247.67	131.45632	(17120717)
603458.27	4130297.67	145.29537	(17011720)
603458.27	4130347.67	156.88871	(17121520)
603458.27	4130397.67	165.41731	(17012521)
603458.27	4130447.67	160.54187	(17120118)
603458.27	4130497.67	123.63193	(17112320)
603508.27	4129997.67	73.76070	(17112406)
603508.27	4130047.67	79.66197	(17122319)
603508.27	4130097.67	84.43124	(17012918)

603508.27 4130147.67 97.68380 (17111918)
603508.27 4130197.67 102.19917 (17112321)
603508.27 4130247.67 110.06002 (17111818)
603508.27 4130297.67 124.47172 (17121319)
603508.27 4130347.67 134.40040 (17121520)
603508.27 4130397.67 138.25607 (17010623)
603508.27 4130447.67 127.05786 (17120118)
603508.27 4130497.67 101.60061 (17112320)
603508.27 4130547.67 100.18809 (17112319)
603558.27 4129997.67 67.45547 (17122319)
603558.27 4130047.67 70.69308 (17012918)
603558.27 4130097.67 81.41931 (17012918)
603558.27 4130147.67 86.38701 (17112321)
603558.27 4130197.67 92.95693 (17120717)
603558.27 4130247.67 100.76424 (17011720)
603558.27 4130297.67 105.81991 (17121418)
603558.27 4130347.67 114.36923 (17011118)
603558.27 4130397.67 118.76461 (17120118)
603558.27 4130447.67 103.03613 (17120118)
603558.27 4130497.67 85.42732 (17112320)
603558.27 4130547.67 83.32503 (17112319)
603558.27 4130597.67 78.99478 (17012819)
603608.27 4129997.67 60.34353 (17012918)
603608.27 4130047.67 69.30794 (17012918)
603608.27 4130097.67 73.69435 (17112321)
603608.27 4130147.67 78.18600 (17120717)
603608.27 4130197.67 81.50999 (17011720)
603608.27 4130247.67 89.19067 (17121319)
603608.27 4130297.67 94.55833 (17121520)
603608.27 4130347.67 98.37078 (17011118)
603608.27 4130397.67 102.87268 (17120118)
603608.27 4130447.67 85.31954 (17120118)
603608.27 4130497.67 73.11876 (17112320)
603608.27 4130547.67 69.93736 (17112319)
603608.27 4130597.67 69.18422 (17112219)
603658.27 4129997.67 59.87796 (17012918)
603658.27 4130047.67 63.62590 (17111918)
603658.27 4130097.67 65.62639 (17120717)
603658.27 4130147.67 68.69160 (17120717)
603658.27 4130197.67 75.36057 (17011720)
603658.27 4130247.67 78.32739 (17121418)
603658.27 4130297.67 84.21908 (17121520)
603658.27 4130347.67 84.30499 (17012521)
603658.27 4130397.67 89.43046 (17120118)
603658.27 4130447.67 71.75901 (17120118)
603658.27 4130497.67 63.65414 (17111919)
603658.27 4130547.67 61.66483 (17121119)
603658.27 4130597.67 61.41585 (17112319)
602640.57 4130170.66 50.13136 (17122023)
602640.57 4130220.66 50.07161 (17122023)
602640.57 4130270.66 53.20041 (17111124)
602640.57 4130320.66 60.05055 (17111124)

*** MODELOPTs: RegDFAULT CONC ELEV FLGPOL URBAN ADJ_U*

*** THE 1ST HIGHEST 1-HR AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: ALL *** INCLUDING SOURCE(S): LOAD ,

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

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

X-COORD (M)	Y-COORD (M)	CONC	(YYMMDDHH)	X-COORD (M)	Y-COORD (M)	CONC	(YYMMDDHH)
602640.57	4130370.66	61.37038	(17121102)	602640.57	4130420.66	61.77783	(17010205)
602640.57	4130470.66	63.60866	(17111107)	602640.57	4130520.66	63.87145	(17111623)
602640.57	4130570.66	63.68729	(17011601)	602640.57	4130620.66	83.81877	(17011601)
602640.57	4130670.66	82.93174	(17122402)	602640.57	4130720.66	79.74179	(17110924)
602640.57	4130770.66	74.21179	(17120724)	602640.57	4130820.66	70.95089	(17112602)
602640.57	4130870.66	65.08280	(17110702)	602640.57	4130920.66	61.66184	(17112002)
602690.57	4130220.66	59.51409	(17122023)	602690.57	4130270.66	57.03927	(17122720)
602690.57	4130320.66	68.71507	(17111124)	602690.57	4130370.66	70.74787	(17111805)
602690.57	4130420.66	71.53787	(17010205)	602690.57	4130470.66	73.93708	(17111107)
602690.57	4130520.66	74.57254	(17111623)	602690.57	4130570.66	82.17789	(17011601)
602690.57	4130620.66	98.79257	(17011601)	602690.57	4130670.66	93.61717	(17110924)
602690.57	4130720.66	89.24284	(17121424)	602690.57	4130770.66	82.64012	(17120107)
602690.57	4130820.66	76.34073	(17110702)	602690.57	4130870.66	71.84830	(17112002)
602690.57	4130920.66	65.65105	(17112603)	602740.57	4130220.66	67.96342	(17112420)

602740.57 4130270.66 69.61663 (17122023)
602740.57 4130320.66 77.08196 (17111124)
602740.57 4130370.66 83.12268 (17111805)
602740.57 4130420.66 84.60456 (17112723)
602740.57 4130470.66 87.51160 (17111107)
602740.57 4130520.66 88.31714 (17111623)
602740.57 4130570.66 106.50525 (17011601)
602740.57 4130620.66 115.11340 (17121724)
602740.57 4130670.66 109.28573 (17110924)
602740.57 4130720.66 100.51805 (17120724)
602740.57 4130770.66 93.66390 (17112602)
602740.57 4130820.66 85.46149 (17112302)
602740.57 4130870.66 77.52808 (17112603)
602790.57 4130270.66 84.78767 (17122023)
602790.57 4130320.66 83.53382 (17111124)
602790.57 4130370.66 100.11398 (17111124)
602790.57 4130420.66 101.98458 (17112723)
602790.57 4130470.66 105.99978 (17111107)
602790.57 4130520.66 106.37156 (17111623)
602790.57 4130570.66 137.79573 (17011601)
602790.57 4130620.66 134.42748 (17122402)
602790.57 4130670.66 125.57558 (17121424)
602790.57 4130720.66 116.67577 (17112602)
602790.57 4130770.66 104.03560 (17112302)
602790.57 4130820.66 93.64315 (17112603)
602840.57 4130320.66 106.34037 (17122023)
602840.57 4130370.66 122.52442 (17111124)
602840.57 4130420.66 127.43906 (17121102)
602840.57 4130470.66 132.36105 (17111107)
602840.57 4130520.66 130.98012 (17112003)
602840.57 4130570.66 175.67741 (17011601)
602840.57 4130620.66 164.36688 (17110924)
602840.57 4130670.66 147.13906 (17112602)
602840.57 4130720.66 130.32108 (17112302)
602840.57 4130770.66 116.41562 (17112603)
602890.57 4130370.66 145.30893 (17111124)
602890.57 4130420.66 165.92504 (17121102)
602890.57 4130470.66 172.34301 (17111107)
602890.57 4130520.66 190.18569 (17011601)
602890.57 4130570.66 221.89619 (17122402)
602890.57 4130620.66 198.59947 (17120724)
602890.57 4130670.66 173.47541 (17110702)
602940.57 4130520.66 297.86619 (17011601)
602940.57 4130570.66 293.24234 (17110924)
602940.57 4130620.66 250.38908 (17112602)
602754.62 4130958.49 66.95606 (17110722)
602804.62 4130858.49 90.08978 (17110722)
602804.62 4130908.49 77.97305 (17110603)
602804.62 4130958.49 73.03389 (17112004)
602854.62 4130808.49 111.10886 (17110722)
602854.62 4130858.49 96.39980 (17110603)
602854.62 4130908.49 86.10707 (17112004)

*** MODELOPTs: RegDFAULT CONC ELEV FLGPOL URBAN ADJ_U*

*** THE 1ST HIGHEST 1-HR AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: ALL *** INCLUDING SOURCE(S): LOAD ,

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

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

X-COORD (M)	Y-COORD (M)	CONC	(YYMMDDHH)	X-COORD (M)	Y-COORD (M)	CONC	(YYMMDDHH)
602854.62	4130958.49	76.63618	(17122822)	602904.62	4130758.49	140.90339	(17110722)
602904.62	4130808.49	121.83992	(17112004)	602904.62	4130858.49	104.23219	(17122822)
602904.62	4130908.49	92.46867	(17120224)	602904.62	4130958.49	82.57766	(17120520)
602954.62	4130708.49	185.04644	(17110722)	602954.62	4130758.49	155.55762	(17112004)
602954.62	4130808.49	132.08518	(17120224)	602954.62	4130858.49	114.02659	(17120520)
602954.62	4130908.49	98.55801	(17121019)	602954.62	4130958.49	86.75499	(17111221)
603004.62	4130658.49	274.99964	(17112004)	603004.62	4130708.49	214.16294	(17120820)
603004.62	4130758.49	173.37976	(17111921)	603004.62	4130808.49	143.01098	(17121019)
603004.62	4130858.49	122.27263	(17111221)	603004.62	4130908.49	103.66428	(17111224)
603004.62	4130958.49	89.57464	(17111224)	603054.62	4130658.49	319.96660	(17121019)
603054.62	4130708.49	242.61316	(17111221)	603054.62	4130758.49	187.94116	(17111224)
603054.62	4130808.49	150.89270	(17120719)	603054.62	4130858.49	126.20064	(17120719)
603054.62	4130908.49	105.59864	(17120719)	603054.62	4130958.49	88.76609	(17120719)
603104.62	4130708.49	255.65598	(17112501)	603104.62	4130758.49	196.89517	(17112501)

603104.62 4130808.49 157.39307 (17121921)
603104.62 4130858.49 131.02250 (17121921)
603104.62 4130908.49 111.19496 (17121921)
603104.62 4130958.49 95.88551 (17121921)
603154.62 4130708.49 279.40414 (17101908)
603154.62 4130758.49 194.37684 (17010418)
603154.62 4130808.49 154.21004 (17120122)
603154.62 4130858.49 127.98164 (17111421)
603154.62 4130908.49 108.67161 (17111421)
603154.62 4130958.49 93.82701 (17111421)
603204.62 4130708.49 238.28677 (17111018)
603204.62 4130758.49 191.29977 (17111018)
603204.62 4130808.49 152.14439 (17110720)
603204.62 4130858.49 128.43907 (17110720)
603204.62 4130908.49 108.75492 (17110720)
603204.62 4130958.49 92.65556 (17110720)
603254.62 4130658.49 207.63806 (17110423)
603254.62 4130708.49 160.64838 (17112722)
603254.62 4130758.49 135.93402 (17090802)
603254.62 4130808.49 127.10890 (17090802)
603254.62 4130858.49 116.02626 (17111018)
603254.62 4130908.49 103.91428 (17111018)
603254.62 4130958.49 91.35313 (17111018)
603304.62 4130758.49 118.60928 (17110423)
603304.62 4130908.49 79.95481 (17090802)
603304.62 4130958.49 76.31509 (17090802)
603354.62 4130908.49 67.73154 (17112722)
603354.62 4130958.49 59.87908 (17120819)
603005.81 4130339.02 228.78952 (17021004)
603005.81 4130359.02 274.84570 (17112019)
603025.81 4130359.02 289.63623 (17021004)
603025.81 4130379.02 355.81252 (17112019)
603045.81 4130359.02 311.15944 (17080305)
603045.81 4130379.02 383.71701 (17021004)
603065.81 4130359.02 386.08821 (17010906)
603065.81 4130379.02 443.69916 (17010906)
603085.81 4130359.02 447.10364 (17121923)
603105.81 4130339.02 365.17502 (17111122)
603105.81 4130359.02 463.46537 (17010624)
603105.81 4130379.02 614.34986 (17010624)
603125.81 4130339.02 397.37021 (17121217)
603125.81 4130359.02 498.57019 (17121217)
603125.81 4130379.02 651.52931 (17121217)
603145.81 4130359.02 813.54581 (17102917)
603145.81 4130379.02 1258.32602 (17102917)
603035.25 4130307.16 227.30853 (17010906)
603035.25 4130327.16 250.91602 (17010906)
603055.25 4130307.16 247.62508 (17121923)
603055.25 4130327.16 280.35240 (17010906)
603075.25 4130287.16 233.60766 (17010624)
603075.25 4130307.16 271.73396 (17121923)
603075.25 4130327.16 319.94223 (17121923)

*** MODELOPTs: RegDFAULT CONC ELEV FLGPOL URBAN ADJ_U*

*** THE 1ST HIGHEST 1-HR AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: ALL *** INCLUDING SOURCE(S): LOAD ,

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

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

X-COORD (M)	Y-COORD (M)	CONC	(YYMMDDHH)	X-COORD (M)	Y-COORD (M)	CONC	(YYMMDDHH)
603095.25	4130287.16	227.80385	(17111122)	603095.25	4130307.16	268.26475	(17010624)
603115.25	4130287.16	249.63084	(17111122)	603135.25	4130287.16	271.33809	(17111324)
603135.25	4130307.16	324.89327	(17111324)	603155.25	4130287.16	353.42309	(17122518)
603155.25	4130307.16	446.57682	(17102917)	603155.25	4130327.16	602.79819	(17102917)
603175.25	4130287.16	435.24899	(17102917)	603175.25	4130307.16	524.00584	(17102917)
603175.25	4130327.16	617.56742	(17102917)	603175.25	4130347.16	697.02925	(17102917)
602962.66	4130491.49	286.23754	(17111623)	602962.66	4130511.49	342.77433	(17011601)
602962.66	4130531.49	370.37936	(17121724)	602962.66	4130551.49	354.56209	(17110924)
602982.66	4130511.49	426.77754	(17011601)	602982.66	4130531.49	431.98184	(17120822)
602982.66	4130551.49	407.06039	(17110924)	602982.66	4130571.49	374.97627	(17120107)
603002.66	4130531.49	512.54319	(17110924)	603002.66	4130551.49	469.21602	(17120724)
603235.59	4130440.48	833.11911	(17010616)	603235.59	4130460.48	840.94614	(17120118)
603255.59	4130320.48	353.23659	(17112406)	603255.59	4130340.48	385.98115	(17122319)
603255.59	4130420.48	617.74559	(17122416)	603255.59	4130440.48	641.51950	(17011118)

603255.59 4130460.48 654.92349 (17120118)
603255.59 4130480.48 493.75013 (17112320)
603275.59 4130320.48 314.33373 (17122319)
603275.59 4130340.48 356.94588 (17012918)
603275.59 4130360.48 391.43124 (17111918)
603275.59 4130380.48 592.90076 (17122416)
603275.59 4130400.48 608.51347 (17122416)
603275.59 4130420.48 501.10758 (17121520)
603275.59 4130440.48 518.62531 (17012521)
603275.59 4130460.48 524.59035 (17120118)
603275.59 4130480.48 399.41395 (17112320)
603275.59 4130500.48 391.06534 (17112319)
603295.59 4130340.48 323.07575 (17111918)
603295.59 4130360.48 413.18890 (17122416)
603295.59 4130380.48 509.89470 (17122416)
603295.59 4130400.48 400.14586 (17120218)
603295.59 4130420.48 427.96354 (17121520)
603295.59 4130440.48 440.46385 (17010623)
603295.59 4130460.48 430.19129 (17120118)
603295.59 4130480.48 331.64283 (17112320)
603295.59 4130500.48 323.44287 (17112319)
603295.59 4130520.48 308.19754 (17110719)
603315.59 4130360.48 401.34604 (17122416)
603315.59 4130380.48 381.87541 (17122416)
603315.59 4130400.48 345.17117 (17121520)
603315.59 4130420.48 370.10996 (17011118)
603315.59 4130440.48 382.82181 (17120118)
603315.59 4130460.48 360.33438 (17120118)
603315.59 4130480.48 281.70919 (17111919)
603315.59 4130500.48 272.96181 (17121119)
603315.59 4130520.48 267.20343 (17112219)
603335.59 4130380.48 293.90193 (17120218)
603335.59 4130420.48 321.56917 (17011118)
603335.59 4130440.48 334.46263 (17120118)
603335.59 4130460.48 306.38320 (17120118)
603335.59 4130480.48 243.36432 (17111919)
603355.59 4130440.48 293.99480 (17120118)
603355.59 4130460.48 263.95791 (17120118)
603025.04 4130593.30 434.07005 (17111902)
603025.04 4130613.30 381.79828 (17110722)
603045.04 4130613.30 418.58453 (17112004)
603045.04 4130633.30 364.58237 (17120820)
603065.04 4130613.30 459.61541 (17120520)
603065.04 4130633.30 391.02641 (17121019)
603085.04 4130633.30 413.83636 (17111224)
603085.04 4130653.30 355.88538 (17111224)
603105.04 4130653.30 359.42301 (17112501)
603125.04 4130653.30 379.43180 (17121921)
603145.04 4130633.30 569.01126 (17101908)
603145.04 4130653.30 452.32522 (17101908)
603165.04 4130613.30 567.54205 (17101908)
603165.04 4130633.30 488.16710 (17101908)

*** MODELOPTs: RegDFAULT CONC ELEV FLGPOL URBAN ADJ_U*

*** THE 1ST HIGHEST 1-HR AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: ALL ***
INCLUDING SOURCE(S):
LOAD ,

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

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

X-COORD (M)	Y-COORD (M)	CONC	(YYMMDDHH)	X-COORD (M)	Y-COORD (M)	CONC	(YYMMDDHH)
603165.04	4130653.30	417.27289	(17101908)	603185.04	4130593.30	481.22929	(17090802)
603185.04	4130613.30	440.40502	(17111018)	603185.04	4130633.30	397.35846	(17111018)
603185.04	4130653.30	353.23137	(17111018)	603205.04	4130593.30	400.29808	(17110423)
603205.04	4130613.30	333.70500	(17112722)	603205.04	4130633.30	302.45078	(17090802)
603205.04	4130653.30	287.62531	(17090802)	603225.04	4130613.30	308.11667	(17110423)
603225.04	4130633.30	270.57188	(17110423)	603245.04	4130633.30	244.69860	(17111407)
602922.39	4130406.41	198.18619	(17111124)	602922.39	4130426.41	201.92891	(17121102)
602942.39	4130386.41	194.17357	(17111124)	602942.39	4130406.41	224.22824	(17111124)
602942.39	4130426.41	231.29381	(17111805)	602942.39	4130446.41	233.78222	(17112723)
602962.39	4130386.41	229.15081	(17122023)	602962.39	4130406.41	252.11475	(17111124)
602962.39	4130426.41	266.87687	(17111124)	602962.39	4130446.41	271.90651	(17011608)
602962.39	4130466.41	281.52793	(17110601)	602982.39	4130406.41	279.78993	(17111124)
602982.39	4130426.41	318.25833	(17111124)	602982.39	4130446.41	325.26461	(17011608)
602982.39	4130466.41	335.79375	(17110601)	602982.39	4130486.41	339.10335	(17111623)

603002.39 4130426.41 379.72149 (17111124)
603002.39 4130446.41 397.27565 (17121102)
603002.39 4130466.41 410.28492 (17110601)
603002.39 4130486.41 415.44661 (17111623)
603002.39 4130506.41 519.31746 (17121122)
603022.39 4130446.41 496.72231 (17111805)
603022.39 4130466.41 517.24417 (17110601)
603022.39 4130486.41 523.96479 (17111623)
603022.39 4130506.41 670.13896 (17121122)
603042.39 4130466.41 680.37039 (17110601)
603042.39 4130486.41 730.65707 (17121122)
603042.39 4130506.41 866.49421 (17110807)
603062.39 4130466.41 950.73714 (17010205)
603073.49 4130393.01 536.56789 (17010906)
603073.49 4130413.01 714.27337 (17112019)
603093.49 4130393.01 674.11837 (17121923)
603093.49 4130413.01 956.65305 (17020716)
603093.49 4130433.01 1245.04482 (17112019)
603113.49 4130393.01 765.78264 (17010624)
603113.49 4130413.01 1120.10916 (17010624)
603084.25 4130509.77 1576.69910 (17112602)
603084.25 4130529.77 1222.67590 (17110722)
603104.25 4130509.77 2673.98182 (17041718)
603104.25 4130529.77 1502.28842 (17120224)
603104.25 4130549.77 1085.11280 (17121019)
603124.25 4130529.77 2083.15048 (17020917)
603170.74 4130474.71 2708.51564 (17030508)
603170.74 4130494.71 2007.74113 (17042408)
603190.74 4130474.71 1484.72461 (17030508)
603190.74 4130494.71 1267.61359 (17111020)
603190.74 4130514.71 1039.54289 (17112419)
603210.74 4130494.71 871.90126 (17012819)
603210.74 4130514.71 772.39313 (17112424)
603210.74 4130534.71 652.74519 (17012622)
603230.74 4130494.71 658.57128 (17112319)
603230.74 4130514.71 600.19321 (17111020)
603230.74 4130534.71 534.82535 (17112424)
603230.74 4130554.71 457.33499 (17111019)
603250.74 4130514.71 481.08956 (17111020)
603250.74 4130534.71 433.17208 (17011321)
603250.74 4130554.71 396.68935 (17112419)
603270.74 4130534.71 362.76952 (17111020)
603270.74 4130554.71 339.67220 (17112424)
603290.74 4130534.71 314.61167 (17111020)
603348.17 4130591.19 183.64880 (17112424)
603348.17 4130641.19 157.18193 (17012622)
603398.17 4130541.19 158.24127 (17112219)
603398.17 4130591.19 143.53351 (17111020)
603398.17 4130641.19 130.90802 (17112424)
603448.17 4130541.19 127.63918 (17112319)
603448.17 4130591.19 119.88393 (17111020)
603448.17 4130641.19 107.84295 (17011321)

*** MODELOPTs: RegDFAULT CONC ELEV FLGPOL URBAN ADJ_U*

*** THE 1ST HIGHEST 1-HR AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: ALL *** INCLUDING SOURCE(S): LOAD ,

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

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

X-COORD (M)	Y-COORD (M)	CONC	(YYMMDDHH)	X-COORD (M)	Y-COORD (M)	CONC	(YYMMDDHH)
603498.17	4130591.19	98.84990	(17110719)	603498.17	4130641.19	89.19926	(17122220)
603548.17	4130641.19	79.95710	(17111020)	603206.05	4130384.23	726.46229	(17112406)
603206.05	4130404.23	873.09137	(17012918)	603206.05	4130424.23	1846.68211	(17122416)
603206.05	4130444.23	1510.97142	(17010616)	603226.05	4130384.23	625.24473	(17012918)
603226.05	4130404.23	975.04816	(17122416)	603226.05	4130424.23	1348.76318	(17122416)
603246.05	4130384.23	556.34129	(17122416)	603246.05	4130404.23	959.49402	(17122416)
603096.01	4130606.06	539.34771	(17111224)	603096.01	4130626.06	446.46399	(17110501)
603116.01	4130606.06	561.07752	(17112501)	603116.01	4130626.06	466.64460	(17112501)
603116.01	4130646.06	394.74798	(17112501)	603136.01	4130606.06	728.74048	(17101908)
603136.01	4130626.06	554.74189	(17101908)	603094.75	4130604.93	542.50006	(17111224)
603094.75	4130624.93	449.13932	(17111224)	603114.75	4130604.93	564.93387	(17112501)
603114.75	4130624.93	468.84420	(17112501)	603114.75	4130644.93	397.23499	(17112501)
603134.75	4130584.93	979.28381	(17101908)	603134.75	4130604.93	716.05174	(17101908)
603154.75	4130584.93	974.01240	(17101908)	602703.60	4130052.56	43.14617	(17021004)

*** MODELOPTs: RegDFAULT CONC ELEV FLGPOL URBAN ADJ_U*

*** THE SUMMARY OF MAXIMUM ANNUAL RESULTS AVERAGED OVER 1 YEARS ***

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

NETWORK GROUP ID	AVERAGE CONC	RECEPTOR (XR, YR, ZELEV, ZHILL, ZFLAG)	OF TYPE	GRID-ID
ALL	1ST HIGHEST VALUE IS	328.74534 AT (	603104.25, 4130509.77, 38.71, 38.71, 1.50)	DC
	2ND HIGHEST VALUE IS	316.67442 AT (	603170.74, 4130474.71, 39.01, 39.01, 1.50)	DC
	3RD HIGHEST VALUE IS	250.31132 AT (	603084.25, 4130509.77, 38.71, 38.71, 1.50)	DC
	4TH HIGHEST VALUE IS	214.14683 AT (	603206.05, 4130444.23, 39.32, 39.32, 1.50)	DC
	5TH HIGHEST VALUE IS	191.13810 AT (	603206.05, 4130424.23, 39.32, 39.32, 1.50)	DC
	6TH HIGHEST VALUE IS	173.55766 AT (	603190.74, 4130474.71, 39.02, 39.02, 1.50)	DC
	7TH HIGHEST VALUE IS	172.96896 AT (	603104.25, 4130529.77, 38.71, 38.71, 1.50)	DC
	8TH HIGHEST VALUE IS	168.54699 AT (	603084.25, 4130529.77, 38.71, 38.71, 1.50)	DC
	9TH HIGHEST VALUE IS	164.04601 AT (	603170.74, 4130494.71, 39.00, 39.00, 1.50)	DC
	10TH HIGHEST VALUE IS	150.75959 AT (	603124.25, 4130529.77, 38.71, 38.71, 1.50)	DC

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

*** MODELOPTs: RegDFAULT CONC ELEV FLGPOL URBAN ADJ_U*

*** THE SUMMARY OF HIGHEST 1-HR RESULTS ***

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

NETWORK GROUP ID	AVERAGE CONC	DATE (YYMMDDHH)	RECEPTOR (XR, YR, ZELEV, ZHILL, ZFLAG)	OF TYPE	GRID-ID
ALL	HIGH 1ST HIGH VALUE IS	2708.51564	ON 17030508: AT (603170.74, 4130474.71, 39.01, 39.01, 1.50)	DC	

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

```
 *** AERMOD - VERSION 23132  ***   *** C:\Lakes\AERMOD View\36
_tully rd\36_tully rd.isc                    ***        07/23/24
 *** AERMET - VERSION  18081 ***   ***
***        08:44:39

PAGE  29
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  FLGPOL  URBAN  ADJ_U*

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

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

 A Total of            0 Fatal Error Message(s)
 A Total of            3 Warning Message(s)
 A Total of          194 Informational Message(s)

 A Total of         8784 Hours Were Processed

 A Total of           52 Calm Hours Identified

 A Total of          142 Missing Hours Identified (  1.62
Percent)


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


    ********   WARNING MESSAGES   ********
 ME W186      64       MEOPEN: THRESH_1MIN 1-min ASOS wind speed
threshold used           0.50
 ME W187      64       MEOPEN: ADJ_U* Option for Stable Low Winds
used in AERMET
 MX W481    8785         MAIN: Data Remaining After End of Year.
Number of Hours=           24

    ***********************************
    *** AERMOD Finishes Successfully ***
    ***********************************
```

```
**
**************************************
**
** AERMOD Input Produced by:
** AERMOD View Ver. 12.0.0
** Lakes Environmental Software Inc.
** Date: 7/23/2024
** File: C:\Lakes\AERMOD View\36_tully rd_GDF_3_refueling\36
_tully rd.ADI
**
**************************************
**
**
**************************************
** AERMOD Control Pathway
**************************************
**
**
CO STARTING
   TITLEONE C:\Lakes\AERMOD View\36_tully rd\36_tully rd.isc
   MODELOPT DFAULT CONC
   AVERTIME 1 ANNUAL
   URBANOPT 1010000 San_Jose
   POLLUTID OTHER
   FLAGPOLE 1.50
   RUNORNOT RUN
   ERRORFIL "36_tully rd.err"
CO FINISHED
**
**************************************
** AERMOD Source Pathway
**************************************
**
**
SO STARTING
** Source Location **
** Source ID - Type - X Coord. - Y Coord. **
   LOCATION REFUEL       VOLUME     603135.180  4130470.720
38.930
** Source Parameters **
   SRCPARAM REFUEL            1.0     1.000     3.020     1.860
   URBANSRC ALL
   SRCGROUP ALL
SO FINISHED
**
**************************************
** AERMOD Receptor Pathway
**************************************
**
**
RE STARTING
   INCLUDED "36_tully rd.rou"
```

```
RE FINISHED
**
****************************************
** AERMOD Meteorology Pathway
****************************************
**
**
ME STARTING
   SURFFILE "San Jose Intl Airport (KSJC)\KSJC_2017.SFC"
   PROFFILE "San Jose Intl Airport (KSJC)\KSJC_2017.PFL"
   SURFDATA 23293 2017 San_Jose_Airport
   UAIRDATA 23230 2017 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 "36_tully rd.AD\01H1GALL.PLT" 31
   PLOTFILE ANNUAL ALL "36_tully rd.AD\AN00GALL.PLT" 32
   SUMMFILE "36_tully rd.sum"
OU FINISHED


  *** Message Summary For AERMOD Model Setup ***

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

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


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


    ********   WARNING MESSAGES   ********
 ME W186      64       MEOPEN: THRESH_1MIN 1-min ASOS wind speed
threshold used          0.50
 ME W187      64       MEOPEN: ADJ_U* Option for Stable Low Winds
used in AERMET

 ***********************************
 *** SETUP Finishes Successfully ***
 ***********************************
```

```
 *** AERMOD - VERSION 23132  ***   *** C:\Lakes\AERMOD View\36
_tully rd\36_tully rd.isc                    ***        07/23/24
 *** AERMET - VERSION  18081 ***   ***
***        08:50:52

PAGE   1
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  FLGPOL  URBAN  ADJ_U*

                                              ***     MODEL SETUP
OPTIONS SUMMARY       ***
 - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
- - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -

 ** Model Options Selected:
      * Model Uses Regulatory DEFAULT Options
      * Model Is Setup For Calculation of Average CONCentration
Values.
      * NO GAS DEPOSITION Data Provided.
      * NO PARTICLE DEPOSITION Data Provided.
      * Model Uses NO DRY DEPLETION. DDPLETE  =  F
      * Model Uses NO WET DEPLETION. WETDPLT  =  F
      * Stack-tip Downwash.
      * Model Accounts for ELEVated Terrain Effects.
      * Use Calms Processing Routine.
      * Use Missing Data Processing Routine.
      * No Exponential Decay.
      * Model Uses URBAN Dispersion Algorithm for the SBL for
1 Source(s),
        for Total of    1 Urban Area(s):
   Urban Population =   1010000.0 ;  Urban Roughness Length =
1.000 m
      * Urban Roughness Length of 1.0 Meter Used.
      * ADJ_U*   - Use ADJ_U* option for SBL in AERMET
      * CCVR_Sub - Meteorological data includes CCVR
substitutions
      * TEMP_Sub - Meteorological data includes TEMP
substitutions
      * Model Accepts FLAGPOLE Receptor . Heights.
      * The User Specified a Pollutant Type of: OTHER

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

 **This Run Includes:      1 Source(s);       1 Source Group(s);
and     508 Receptor(s)

                 with:      0 POINT(s), including
                            0 POINTCAP(s) and      0 POINTHOR(s)
                  and:      1 VOLUME source(s)
                  and:      0 AREA type source(s)
                  and:      0 LINE source(s)
                  and:      0 RLINE/RLINEXT source(s)
```

```
                and:      0 OPENPIT source(s)
                and:      0 BUOYANT LINE source(s) with a total
of     0 line(s)
                and:      0 SWPOINT source(s)


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

 **The AERMET Input Meteorological Data Version Date:  18081

 **Output Options Selected:
          Model Outputs Tables of ANNUAL Averages by Receptor
          Model Outputs Tables of Highest Short Term Values by
Receptor (RECTABLE Keyword)
          Model Outputs External File(s) of High Values for
Plotting (PLOTFILE Keyword)
          Model Outputs Separate Summary File of High Ranked
Values (SUMMFILE Keyword)

 **NOTE:  The Following Flags May Appear Following CONC Values:
c for Calm Hours

m for Missing Hours

b for Both Calm and Missing Hours

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

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

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

 **Detailed Error/Message File:   36_tully rd.err
 **File for Summary of Results:   36_tully rd.sum
```

*** MODELOPTs: RegDFAULT CONC ELEV FLGPOL URBAN ADJ_U*

*** VOLUME SOURCE DATA ***

RELEASE SOURCE ID	NUMBER PART. CATS.	EMISSION RATE INIT. (GRAMS/SEC)	URBAN SOURCE	EMISSION RATE SCALAR VARY BY	X (METERS)	Y (METERS)	AIRCRAFT ELEV. (METERS)	HEIGHT (METERS)	SY (METERS)	SZ (METERS)
REFUEL	0	0.10000E+01	603135.2	4130470.7	38.9	1.00	3.02	1.86	YES	NO

*** MODELOPTs: RegDFAULT CONC ELEV FLGPOL URBAN ADJ_U*

*** SOURCE IDs DEFINING SOURCE GROUPS ***

SRCGROUP ID	SOURCE IDs
ALL	REFUEL ,

*** MODELOPTs: RegDFAULT CONC ELEV FLGPOL URBAN ADJ_U*

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

URBAN ID	URBAN POP	SOURCE IDs
	1010000.	REFUEL ,

*** MODELOPTs: RegDFAULT CONC ELEV FLGPOL URBAN ADJ_U*

*** DISCRETE CARTESIAN RECEPTORS ***

(X-COORD, Y-COORD, ZELEV, ZHILL, ZFLAG)

(METERS)

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(602766.9, 4130153.3, 40.3, 40.3, 1.5);
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(602866.9, 4130003.3, 41.1, 41.1, 1.5);
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(602866.9, 4130153.3, 40.2, 40.2, 1.5);
(602866.9, 4130203.3, 40.0, 40.0, 1.5);
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(602916.9, 4130003.3, 41.1, 41.1, 1.5);
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(602966.9, 4130303.3, 39.3, 39.3, 1.5);
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(603016.9, 4130303.3, 39.3, 39.3, 1.5);
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(603066.9, 4130003.3, 41.1, 41.1, 1.5);

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( 603066.9, 4130253.3,      39.6,      39.6,       1.5);
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( 603166.9, 4130153.3,      40.2,      40.2,       1.5);
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( 603216.9, 4130153.3,      40.2,      40.2,       1.5);
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     ( 603266.9, 4130153.3,      40.3,      40.3,       1.5);
( 603266.9, 4130203.3,      40.2,      40.2,       1.5);
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( 603466.9, 4129953.3,      41.1,      41.1,       1.5);
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( 603308.3, 4130297.7,      39.9,      39.9,       1.5);
     ( 603358.3, 4130197.7,      40.3,      40.3,       1.5);
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```

```
( 603408.3, 4130197.7,      40.3,      40.3,       1.5);
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*** MODELOPTs: RegDFAULT CONC ELEV FLGPOL URBAN ADJ_U*

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

(METERS)

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( 603608.3, 4130147.7,      40.8,      40.8,       1.5);
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     ( 603608.3, 4130297.7,      40.5,      40.5,       1.5);
( 603608.3, 4130347.7,      40.5,      40.5,       1.5);
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( 603608.3, 4130447.7,      40.2,      40.2,       1.5);
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( 603658.3, 4130097.7,      41.1,      41.1,       1.5);
     ( 603658.3, 4130147.7,      41.1,      41.1,       1.5);
( 603658.3, 4130197.7,      40.9,      40.9,       1.5);
     ( 603658.3, 4130247.7,      40.8,      40.8,       1.5);
( 603658.3, 4130297.7,      40.8,      40.8,       1.5);
     ( 603658.3, 4130347.7,      40.5,      40.5,       1.5);
( 603658.3, 4130397.7,      40.5,      40.5,       1.5);
     ( 603658.3, 4130447.7,      40.5,      40.5,       1.5);
( 603658.3, 4130497.7,      40.3,      40.3,       1.5);
     ( 603658.3, 4130547.7,      40.3,      40.3,       1.5);
( 603658.3, 4130597.7,      40.0,      40.0,       1.5);
     ( 602640.6, 4130170.7,      40.5,      40.5,       1.5);
( 602640.6, 4130220.7,      40.2,      40.2,       1.5);
     ( 602640.6, 4130270.7,      39.9,      39.9,       1.5);
( 602640.6, 4130320.7,      39.6,      39.6,       1.5);
     ( 602640.6, 4130370.7,      39.3,      39.3,       1.5);
( 602640.6, 4130420.7,      39.0,      39.0,       1.5);
     ( 602640.6, 4130470.7,      38.8,      38.8,       1.5);
( 602640.6, 4130520.7,      38.5,      38.5,       1.5);
     ( 602640.6, 4130570.7,      38.1,      38.1,       1.5);
( 602640.6, 4130620.7,      38.0,      38.0,       1.5);
     ( 602640.6, 4130670.7,      37.8,      37.8,       1.5);
( 602640.6, 4130720.7,      37.8,      37.8,       1.5);
     ( 602640.6, 4130770.7,      37.5,      37.5,       1.5);
( 602640.6, 4130820.7,      37.5,      37.5,       1.5);
     ( 602640.6, 4130870.7,      37.2,      37.2,       1.5);
( 602640.6, 4130920.7,      36.9,      36.9,       1.5);
     ( 602690.6, 4130220.7,      40.1,      40.1,       1.5);
( 602690.6, 4130270.7,      39.9,      39.9,       1.5);
     ( 602690.6, 4130320.7,      39.4,      39.4,       1.5);
( 602690.6, 4130370.7,      39.3,      39.3,       1.5);
     ( 602690.6, 4130420.7,      39.0,      39.0,       1.5);
( 602690.6, 4130470.7,      38.7,      38.7,       1.5);
     ( 602690.6, 4130520.7,      38.4,      38.4,       1.5);
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( 602690.6, 4130570.7,      38.1,      38.1,       1.5);
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*** MODELOPTs: RegDFAULT CONC ELEV FLGPOL URBAN ADJ_U*

*** DISCRETE CARTESIAN RECEPTORS ***

(X-COORD, Y-COORD, ZELEV, ZHILL, ZFLAG)

(METERS)

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(602690.6, 4130670.7, 37.8, 37.8, 1.5);
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(602690.6, 4130770.7, 37.5, 37.5, 1.5);
(602690.6, 4130820.7, 37.5, 37.5, 1.5);
(602690.6, 4130870.7, 37.2, 37.2, 1.5);
(602690.6, 4130920.7, 36.9, 36.9, 1.5);
(602740.6, 4130220.7, 39.9, 39.9, 1.5);
(602740.6, 4130270.7, 39.6, 39.6, 1.5);
(602740.6, 4130320.7, 39.5, 39.5, 1.5);
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(602740.6, 4130420.7, 39.0, 39.0, 1.5);
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(602790.6, 4130420.7, 39.0, 39.0, 1.5);
(602790.6, 4130470.7, 38.7, 38.7, 1.5);
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(602790.6, 4130670.7, 37.8, 37.8, 1.5);
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(602790.6, 4130770.7, 37.5, 37.5, 1.5);
(602790.6, 4130820.7, 37.5, 37.5, 1.5);
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(602840.6, 4130370.7, 39.2, 39.2, 1.5);
(602840.6, 4130420.7, 39.0, 39.0, 1.5);
(602840.6, 4130470.7, 38.7, 38.7, 1.5);

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( 602840.6, 4130620.7,      37.8,      37.8,       1.5);
     ( 602840.6, 4130670.7,      37.8,      37.8,       1.5);
( 602840.6, 4130720.7,      37.8,      37.8,       1.5);
     ( 602840.6, 4130770.7,      37.5,      37.5,       1.5);
( 602890.6, 4130370.7,      39.2,      39.2,       1.5);
     ( 602890.6, 4130420.7,      39.0,      39.0,       1.5);
( 602890.6, 4130470.7,      38.7,      38.7,       1.5);
     ( 602890.6, 4130520.7,      38.4,      38.4,       1.5);
( 602890.6, 4130570.7,      38.1,      38.1,       1.5);
     ( 602890.6, 4130620.7,      38.0,      38.0,       1.5);
( 602890.6, 4130670.7,      37.8,      37.8,       1.5);
     ( 602940.6, 4130520.7,      38.4,      38.4,       1.5);
( 602940.6, 4130570.7,      38.1,      38.1,       1.5);
     ( 602940.6, 4130620.7,      38.1,      38.1,       1.5);
( 602754.6, 4130958.5,      36.9,      36.9,       1.5);
     ( 602804.6, 4130858.5,      37.3,      37.3,       1.5);
( 602804.6, 4130908.5,      37.2,      37.2,       1.5);
     ( 602804.6, 4130958.5,      37.1,      37.1,       1.5);
( 602854.6, 4130808.5,      37.5,      37.5,       1.5);
     ( 602854.6, 4130858.5,      37.3,      37.3,       1.5);
( 602854.6, 4130908.5,      37.2,      37.2,       1.5);
     ( 602854.6, 4130958.5,      37.2,      37.2,       1.5);
( 602904.6, 4130758.5,      37.7,      37.7,       1.5);
     ( 602904.6, 4130808.5,      37.5,      37.5,       1.5);
( 602904.6, 4130858.5,      37.5,      37.5,       1.5);
     ( 602904.6, 4130908.5,      37.4,      37.4,       1.5);
( 602904.6, 4130958.5,      37.2,      37.2,       1.5);
     ( 602954.6, 4130708.5,      37.8,      37.8,       1.5);
( 602954.6, 4130758.5,      37.8,      37.8,       1.5);
     ( 602954.6, 4130808.5,      37.5,      37.5,       1.5);
( 602954.6, 4130858.5,      37.5,      37.5,       1.5);
     ( 602954.6, 4130908.5,      37.5,      37.5,       1.5);
( 602954.6, 4130958.5,      37.4,      37.4,       1.5);
     ( 603004.6, 4130658.5,      38.1,      38.1,       1.5);
( 603004.6, 4130708.5,      37.8,      37.8,       1.5);
     ( 603004.6, 4130758.5,      37.8,      37.8,       1.5);
( 603004.6, 4130808.5,      37.8,      37.8,       1.5);
     ( 603004.6, 4130858.5,      37.6,      37.6,       1.5);
( 603004.6, 4130908.5,      37.5,      37.5,       1.5);
     ( 603004.6, 4130958.5,      37.5,      37.5,       1.5);
( 603054.6, 4130658.5,      38.1,      38.1,       1.5);
     ( 603054.6, 4130708.5,      38.1,      38.1,       1.5);
( 603054.6, 4130758.5,      38.0,      38.0,       1.5);
     ( 603054.6, 4130808.5,      37.8,      37.8,       1.5);
( 603054.6, 4130858.5,      37.8,      37.8,       1.5);
     ( 603054.6, 4130908.5,      37.7,      37.7,       1.5);
( 603054.6, 4130958.5,      37.5,      37.5,       1.5);
     ( 603104.6, 4130708.5,      38.3,      38.3,       1.5);
( 603104.6, 4130758.5,      38.1,      38.1,       1.5);
     ( 603104.6, 4130808.5,      38.1,      38.1,       1.5);
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( 603104.6, 4130858.5,      37.8,      37.8,       1.5);
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*** MODELOPTs: RegDFAULT CONC ELEV FLGPOL URBAN ADJ_U*

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

(METERS)

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(603154.6, 4130908.5, 37.9, 37.9, 1.5);
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(603204.6, 4130808.5, 38.4, 38.4, 1.5);
(603204.6, 4130858.5, 38.1, 38.1, 1.5);
(603204.6, 4130908.5, 38.0, 38.0, 1.5);
(603204.6, 4130958.5, 37.8, 37.8, 1.5);
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(603254.6, 4130708.5, 38.7, 38.7, 1.5);
(603254.6, 4130758.5, 38.6, 38.6, 1.5);
(603254.6, 4130808.5, 38.4, 38.4, 1.5);
(603254.6, 4130858.5, 38.2, 38.2, 1.5);
(603254.6, 4130908.5, 38.1, 38.1, 1.5);
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(603304.6, 4130908.5, 38.1, 38.1, 1.5);
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(603354.6, 4130958.5, 38.1, 38.1, 1.5);
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(603005.8, 4130359.0, 39.0, 39.0, 1.5);
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(603105.8, 4130359.0, 39.2, 39.2, 1.5);

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( 603125.8, 4130359.0,      39.3,      39.3,       1.5);
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     ( 603145.8, 4130379.0,      39.3,      39.3,       1.5);
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     ( 603055.2, 4130327.2,      39.3,      39.3,       1.5);
( 603075.2, 4130287.2,      39.4,      39.4,       1.5);
     ( 603075.2, 4130307.2,      39.3,      39.3,       1.5);
( 603075.2, 4130327.2,      39.3,      39.3,       1.5);
     ( 603095.2, 4130287.2,      39.4,      39.4,       1.5);
( 603095.2, 4130307.2,      39.3,      39.3,       1.5);
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( 603135.2, 4130287.2,      39.4,      39.4,       1.5);
     ( 603135.2, 4130307.2,      39.3,      39.3,       1.5);
( 603155.2, 4130287.2,      39.5,      39.5,       1.5);
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( 603155.2, 4130327.2,      39.3,      39.3,       1.5);
     ( 603175.2, 4130287.2,      39.6,      39.6,       1.5);
( 603175.2, 4130307.2,      39.5,      39.5,       1.5);
     ( 603175.2, 4130327.2,      39.3,      39.3,       1.5);
( 603175.2, 4130347.2,      39.3,      39.3,       1.5);
     ( 602962.7, 4130491.5,      38.6,      38.6,       1.5);
( 602962.7, 4130511.5,      38.4,      38.4,       1.5);
     ( 602962.7, 4130531.5,      38.4,      38.4,       1.5);
( 602962.7, 4130551.5,      38.2,      38.2,       1.5);
     ( 602982.7, 4130511.5,      38.6,      38.6,       1.5);
( 602982.7, 4130531.5,      38.4,      38.4,       1.5);
     ( 602982.7, 4130551.5,      38.3,      38.3,       1.5);
( 602982.7, 4130571.5,      38.3,      38.3,       1.5);
     ( 603002.7, 4130531.5,      38.5,      38.5,       1.5);
( 603002.7, 4130551.5,      38.4,      38.4,       1.5);
     ( 603235.6, 4130440.5,      39.3,      39.3,       1.5);
( 603235.6, 4130460.5,      39.3,      39.3,       1.5);
     ( 603255.6, 4130320.5,      39.6,      39.6,       1.5);
( 603255.6, 4130340.5,      39.6,      39.6,       1.5);
     ( 603255.6, 4130420.5,      39.5,      39.5,       1.5);
( 603255.6, 4130440.5,      39.4,      39.4,       1.5);
     ( 603255.6, 4130460.5,      39.3,      39.3,       1.5);
( 603255.6, 4130480.5,      39.3,      39.3,       1.5);
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( 603275.6, 4130340.5,      39.7,      39.7,       1.5);
     ( 603275.6, 4130360.5,      39.6,      39.6,       1.5);
( 603275.6, 4130380.5,      39.6,      39.6,       1.5);
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( 603275.6, 4130420.5,      39.6,      39.6,       1.5);
     ( 603275.6, 4130440.5,      39.5,      39.5,       1.5);
( 603275.6, 4130460.5,      39.4,      39.4,       1.5);
     ( 603275.6, 4130480.5,      39.4,      39.4,       1.5);
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( 603275.6, 4130500.5,      39.4,      39.4,       1.5);
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*** MODELOPTs: RegDFAULT CONC ELEV FLGPOL URBAN ADJ_U*

*** DISCRETE CARTESIAN RECEPTORS ***

(X-COORD, Y-COORD, ZELEV, ZHILL, ZFLAG)

(METERS)

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(603045.0, 4130613.3, 38.4, 38.4, 1.5);
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(603105.0, 4130653.3, 38.4, 38.4, 1.5);
(603125.0, 4130653.3, 38.5, 38.5, 1.5);
(603145.0, 4130633.3, 38.7, 38.7, 1.5);

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( 603165.0, 4130633.3,      38.7,      38.7,       1.5);
     ( 603165.0, 4130653.3,      38.7,      38.7,       1.5);
( 603185.0, 4130593.3,      38.8,      38.8,       1.5);
     ( 603185.0, 4130613.3,      38.8,      38.8,       1.5);
( 603185.0, 4130633.3,      38.8,      38.8,       1.5);
     ( 603185.0, 4130653.3,      38.7,      38.7,       1.5);
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     ( 603205.0, 4130613.3,      39.0,      39.0,       1.5);
( 603205.0, 4130633.3,      38.9,      38.9,       1.5);
     ( 603205.0, 4130653.3,      38.8,      38.8,       1.5);
( 603225.0, 4130613.3,      39.0,      39.0,       1.5);
     ( 603225.0, 4130633.3,      39.0,      39.0,       1.5);
( 603245.0, 4130633.3,      39.0,      39.0,       1.5);
     ( 602922.4, 4130406.4,      39.0,      39.0,       1.5);
( 602922.4, 4130426.4,      38.9,      38.9,       1.5);
     ( 602942.4, 4130386.4,      39.0,      39.0,       1.5);
( 602942.4, 4130406.4,      39.0,      39.0,       1.5);
     ( 602942.4, 4130426.4,      38.9,      38.9,       1.5);
( 602942.4, 4130446.4,      38.8,      38.8,       1.5);
     ( 602962.4, 4130386.4,      39.0,      39.0,       1.5);
( 602962.4, 4130406.4,      39.0,      39.0,       1.5);
     ( 602962.4, 4130426.4,      39.0,      39.0,       1.5);
( 602962.4, 4130446.4,      39.0,      39.0,       1.5);
     ( 602962.4, 4130466.4,      38.8,      38.8,       1.5);
( 602982.4, 4130406.4,      39.0,      39.0,       1.5);
     ( 602982.4, 4130426.4,      39.0,      39.0,       1.5);
( 602982.4, 4130446.4,      39.0,      39.0,       1.5);
     ( 602982.4, 4130466.4,      38.8,      38.8,       1.5);
( 602982.4, 4130486.4,      38.7,      38.7,       1.5);
     ( 603002.4, 4130426.4,      39.0,      39.0,       1.5);
( 603002.4, 4130446.4,      39.0,      39.0,       1.5);
     ( 603002.4, 4130466.4,      38.8,      38.8,       1.5);
( 603002.4, 4130486.4,      38.7,      38.7,       1.5);
     ( 603002.4, 4130506.4,      38.7,      38.7,       1.5);
( 603022.4, 4130446.4,      39.0,      39.0,       1.5);
     ( 603022.4, 4130466.4,      38.8,      38.8,       1.5);
( 603022.4, 4130486.4,      38.7,      38.7,       1.5);
     ( 603022.4, 4130506.4,      38.7,      38.7,       1.5);
( 603042.4, 4130466.4,      38.8,      38.8,       1.5);
     ( 603042.4, 4130486.4,      38.7,      38.7,       1.5);
( 603042.4, 4130506.4,      38.7,      38.7,       1.5);
     ( 603062.4, 4130466.4,      38.6,      38.6,       1.5);
( 603073.5, 4130393.0,      39.0,      39.0,       1.5);
     ( 603073.5, 4130413.0,      39.0,      39.0,       1.5);
( 603093.5, 4130393.0,      39.0,      39.0,       1.5);
     ( 603093.5, 4130413.0,      39.0,      39.0,       1.5);
( 603093.5, 4130433.0,      38.8,      38.8,       1.5);
     ( 603113.5, 4130393.0,      39.0,      39.0,       1.5);
( 603113.5, 4130413.0,      39.0,      39.0,       1.5);
     ( 603084.2, 4130509.8,      38.7,      38.7,       1.5);
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( 603084.2, 4130529.8,      38.7,      38.7,       1.5);
```

*** MODELOPTs: RegDFAULT CONC ELEV FLGPOL URBAN ADJ_U*

*** DISCRETE CARTESIAN RECEPTORS ***

(X-COORD, Y-COORD, ZELEV, ZHILL, ZFLAG)

(METERS)

(603104.2, 4130509.8, 38.7, 38.7, 1.5);
(603104.2, 4130529.8, 38.7, 38.7, 1.5);
(603104.2, 4130549.8, 38.7, 38.7, 1.5);
(603124.2, 4130529.8, 38.7, 38.7, 1.5);
(603170.7, 4130474.7, 39.0, 39.0, 1.5);
(603170.7, 4130494.7, 39.0, 39.0, 1.5);
(603190.7, 4130474.7, 39.0, 39.0, 1.5);
(603190.7, 4130494.7, 39.0, 39.0, 1.5);
(603190.7, 4130514.7, 39.0, 39.0, 1.5);
(603210.7, 4130494.7, 39.1, 39.1, 1.5);
(603210.7, 4130514.7, 39.1, 39.1, 1.5);
(603210.7, 4130534.7, 39.1, 39.1, 1.5);
(603230.7, 4130494.7, 39.3, 39.3, 1.5);
(603230.7, 4130514.7, 39.3, 39.3, 1.5);
(603230.7, 4130534.7, 39.3, 39.3, 1.5);
(603230.7, 4130554.7, 39.3, 39.3, 1.5);
(603250.7, 4130514.7, 39.3, 39.3, 1.5);
(603250.7, 4130534.7, 39.3, 39.3, 1.5);
(603250.7, 4130554.7, 39.3, 39.3, 1.5);
(603270.7, 4130534.7, 39.4, 39.4, 1.5);
(603270.7, 4130554.7, 39.4, 39.4, 1.5);
(603290.7, 4130534.7, 39.6, 39.6, 1.5);
(603348.2, 4130591.2, 39.6, 39.6, 1.5);
(603348.2, 4130641.2, 39.2, 39.2, 1.5);
(603398.2, 4130541.2, 39.6, 39.6, 1.5);
(603398.2, 4130591.2, 39.4, 39.4, 1.5);
(603398.2, 4130641.2, 39.3, 39.3, 1.5);
(603448.2, 4130541.2, 39.6, 39.6, 1.5);
(603448.2, 4130591.2, 39.4, 39.4, 1.5);
(603448.2, 4130641.2, 39.3, 39.3, 1.5);
(603498.2, 4130591.2, 39.4, 39.4, 1.5);
(603498.2, 4130641.2, 39.3, 39.3, 1.5);
(603548.2, 4130641.2, 39.3, 39.3, 1.5);
(603206.1, 4130384.2, 39.3, 39.3, 1.5);
(603206.1, 4130404.2, 39.3, 39.3, 1.5);
(603206.1, 4130424.2, 39.3, 39.3, 1.5);
(603206.1, 4130444.2, 39.3, 39.3, 1.5);

```
( 603226.1, 4130384.2,      39.3,      39.3,       1.5);
     ( 603226.1, 4130404.2,      39.3,      39.3,       1.5);
( 603226.1, 4130424.2,      39.3,      39.3,       1.5);
     ( 603246.1, 4130384.2,      39.5,      39.5,       1.5);
( 603246.1, 4130404.2,      39.4,      39.4,       1.5);
     ( 603096.0, 4130606.1,      38.5,      38.5,       1.5);
( 603096.0, 4130626.1,      38.4,      38.4,       1.5);
     ( 603116.0, 4130606.1,      38.6,      38.6,       1.5);
( 603116.0, 4130626.1,      38.4,      38.4,       1.5);
     ( 603116.0, 4130646.1,      38.4,      38.4,       1.5);
( 603136.0, 4130606.1,      38.7,      38.7,       1.5);
     ( 603136.0, 4130626.1,      38.6,      38.6,       1.5);
( 603094.8, 4130604.9,      38.5,      38.5,       0.0);
     ( 603094.8, 4130624.9,      38.4,      38.4,       0.0);
( 603114.8, 4130604.9,      38.6,      38.6,       0.0);
     ( 603114.8, 4130624.9,      38.4,      38.4,       0.0);
( 603114.8, 4130644.9,      38.4,      38.4,       0.0);
     ( 603134.8, 4130584.9,      38.7,      38.7,       0.0);
( 603134.8, 4130604.9,      38.7,      38.7,       0.0);
     ( 603154.8, 4130584.9,      38.8,      38.8,       0.0);
( 602703.6, 4130052.6,      40.9,      40.9,       1.5);
```

*** MODELOPTs: RegDFAULT CONC ELEV FLGPOL URBAN ADJ_U*

*** METEOROLOGICAL DAYS SELECTED FOR PROCESSING *** (1=YES; 0=NO)

| | | |

*** MODELOPTs: RegDFAULT CONC ELEV FLGPOL URBAN ADJ_U*

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

Surface file: San Jose Intl Airport (KSJC)\KSJC_2017.SFC Met Version: 18081
Profile file: San Jose Intl Airport (KSJC)\KSJC_2017.PFL
Surface format: FREE
Profile format: FREE
Surface station no.: 23293 Upper air station no.: 23230
Name: SAN_JOSE_AIRPORT Name: OAKLAND/WSO_AP
Year: 2017 Year: 2017

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
17	01	01	1	01	-22.4	0.219	-9.000	-9.000	-999.	246.	52.9	0.02	0.68	1.00	3.36	121.	7.9	277.5	2.0
17	01	01	1	02	-12.5	0.138	-9.000	-9.000	-999.	125.	21.0	0.02	0.68	1.00	2.17	180.	7.9	278.1	2.0
17	01	01	1	03	-16.7	0.164	-9.000	-9.000	-999.	160.	29.6	0.02	0.68	1.00	2.55	137.	7.9	278.8	2.0
17	01	01	1	04	-17.5	0.172	-9.000	-9.000	-999.	172.	32.7	0.02	0.68	1.00	2.67	125.	7.9	279.2	2.0
17	01	01	1	05	-21.8	0.215	-9.000	-9.000	-999.	239.	50.6	0.02	0.68	1.00	3.29	122.	7.9	279.2	2.0
17	01	01	1	06	-15.2	0.153	-9.000	-9.000	-999.	145.	25.8	0.02	0.68	1.00	2.39	154.	7.9	279.9	2.0
17	01	01	1	07	-18.9	0.187	-9.000	-9.000	-999.	194.	38.3	0.02	0.68	1.00	2.88	124.	7.9	279.9	2.0
17	01	01	1	08	-17.7	0.175	-9.000	-9.000	-999.	176.	33.7	0.02	0.68	0.74	2.71	132.	7.9	279.9	2.0
17	01	01	1	09	5.8	0.168	0.369	0.005	314.	166.	-74.7	0.02	0.68	0.39	2.32	134.	7.9	280.9	2.0
17	01	01	1	10	35.9	0.138	0.923	0.018	792.	123.	-6.6	0.02	0.68	0.27	1.59	138.	7.9	282.0	2.0
17	01	01	1	11	59.1	0.123	1.168	0.019	974.	104.	-2.9	0.02	0.68	0.23	1.28	129.	7.9	284.2	2.0
17	01	01	1	12	72.0	0.252	1.293	0.020	1085.	304.	-20.1	0.02	0.68	0.21	3.34	280.	7.9	284.9	2.0

```
 17 01 01   1 13   87.9  0.389  1.384  0.019 1089.  582.    -60.3
0.05   0.68   0.21    4.65  263.    7.9  285.9    2.0
 17 01 01   1 14   65.5  0.353  1.256  0.019 1091.  504.    -60.5
0.05   0.68   0.22    4.22  270.    7.9  285.9    2.0
 17 01 01   1 15   46.1  0.403  1.118  0.018 1093.  613.   -128.0
0.05   0.68   0.25    4.97  244.    7.9  285.4    2.0
 17 01 01   1 16   18.2  0.370  0.820  0.018 1094.  542.   -252.7
0.02   0.68   0.33    5.44  281.    7.9  285.4    2.0
 17 01 01   1 17  -32.0  0.420 -9.000 -9.000 -999.  653.    209.2
0.02   0.68   0.57    6.43  279.    7.9  283.1    2.0
 17 01 01   1 18  -28.9  0.288 -9.000 -9.000 -999.  382.     91.1
0.05   0.68   1.00    3.85  243.    7.9  282.0    2.0
 17 01 01   1 19  -18.6  0.185 -9.000 -9.000 -999.  197.     37.6
0.05   0.68   1.00    2.52  246.    7.9  282.0    2.0
 17 01 01   1 20  -13.3  0.147 -9.000 -9.000 -999.  135.     23.7
0.05   0.68   1.00    2.03  225.    7.9  280.9    2.0
 17 01 01   1 21   -7.4  0.105 -9.000 -9.000 -999.   82.     14.3
0.02   0.68   1.00    1.69  116.    7.9  282.0    2.0
 17 01 01   1 22  -10.4  0.130 -9.000 -9.000 -999.  112.     19.0
0.05   0.68   1.00    1.76   94.    7.9  281.4    2.0
 17 01 01   1 23  -14.5  0.149 -9.000 -9.000 -999.  138.     24.5
0.02   0.68   1.00    2.33  133.    7.9  280.9    2.0
 17 01 01   1 24  -21.8  0.215 -9.000 -9.000 -999.  240.     51.0
0.02   0.68   1.00    3.30  114.    7.9  280.4    2.0


 First hour of profile data
 YR MO DY HR HEIGHT F  WDIR    WSPD AMB_TMP sigmaA  sigmaW
sigmaV
 17 01 01 01    7.9 1  121.    3.36   277.6
99.0  -99.00  -99.00

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

*** MODELOPTs: RegDFAULT CONC ELEV FLGPOL URBAN ADJ_U*

*** THE ANNUAL AVERAGE CONCENTRATION VALUES AVERAGED OVER 1 YEARS FOR SOURCE GROUP: ALL ***
INCLUDING SOURCE(S):
REFUEL ,

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

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

X-COORD (M)	Y-COORD (M)	CONC	X-COORD (M)	Y-COORD (M)	CONC
602766.91	4130103.30	1.61227	602766.91	4130153.30	1.82303
602816.91	4130053.30	1.58506	602816.91	4130103.30	1.80586
602816.91	4130153.30	2.07139	602816.91	4130203.30	2.39140
602866.91	4130003.30	1.52871	602866.91	4130053.30	1.75378
602866.91	4130103.30	2.02791	602866.91	4130153.30	2.36567
602866.91	4130203.30	2.78476	602866.91	4130253.30	3.30544
602916.91	4129953.30	1.44132	602916.91	4130003.30	1.65946
602916.91	4130053.30	1.93093	602916.91	4130103.30	2.27229
602916.91	4130153.30	2.70548	602916.91	4130203.30	3.26192
602916.91	4130253.30	3.98660	602966.91	4129953.30	1.53531
602966.91	4130003.30	1.78675	602966.91	4130053.30	2.10745
602966.91	4130103.30	2.52460	602966.91	4130153.30	3.07827
602966.91	4130203.30	3.82386	602966.91	4130253.30	4.85126
602966.91	4130303.30	6.29459	603016.91	4129953.30	1.62015
603016.91	4130003.30	1.90310			

```
603016.91    4130053.30        2.27228
         603016.91    4130103.30        2.76694
603016.91    4130153.30        3.45087
         603016.91    4130203.30        4.42683
603016.91    4130253.30        5.88038
         603016.91    4130303.30        8.12985
603066.91    4129953.30        1.70107
         603066.91    4130003.30        2.01051
603066.91    4130053.30        2.42187
         603066.91    4130103.30        2.98592
603066.91    4130153.30        3.79139
         603066.91    4130203.30        5.00328
603066.91    4130253.30        6.93158
         603116.91    4129953.30        1.78284
603116.91    4130003.30        2.11827
         603116.91    4130053.30        2.56891
603116.91    4130103.30        3.19563
         603116.91    4130153.30        4.10836
603116.91    4130203.30        5.51456
         603116.91    4130253.30        7.87639
603166.91    4129953.30        1.88501
         603166.91    4130003.30        2.25820
603166.91    4130053.30        2.76811
         603166.91    4130103.30        3.49318
603166.91    4130153.30        4.58041
         603166.91    4130203.30        6.33199
603216.91    4129953.30        2.06188
         603216.91    4130003.30        2.51302
603216.91    4130053.30        3.14667
         603216.91    4130103.30        4.08591
603216.91    4130153.30        5.57607
         603216.91    4130203.30        8.15406
603216.91    4130253.30       13.16104
         603266.91    4129953.30        2.33787
603266.91    4130003.30        2.91056
         603266.91    4130053.30        3.74463
603266.91    4130103.30        5.01891
         603266.91    4130153.30        7.09104
603266.91    4130203.30       10.63080
         603316.91    4129953.30        2.71193
603316.91    4130003.30        3.44358
         603316.91    4130053.30        4.50967
603316.91    4130103.30        6.09831
         603316.91    4130153.30        8.52283
603366.91    4129953.30        3.15618
         603366.91    4130003.30        4.01595
603366.91    4130053.30        5.20983
         603366.91    4130103.30        6.88132
603416.91    4129953.30        3.55716
         603416.91    4130003.30        4.45128
603466.91    4129953.30        3.82088
```

*** MODELOPTs: RegDFAULT CONC ELEV FLGPOL URBAN ADJ_U*

*** THE ANNUAL AVERAGE CONCENTRATION VALUES AVERAGED OVER 1 YEARS FOR SOURCE GROUP: ALL ***
INCLUDING SOURCE(S):
REFUEL ,

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

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

X-COORD (M)	Y-COORD (M)	CONC	X-COORD (M)	Y-COORD (M)	CONC
603308.27	4130247.67	17.47388	603308.27	4130297.67	27.42227
603358.27	4130197.67	12.23713	603358.27	4130247.67	17.31521
603358.27	4130297.67	24.92889	603358.27	4130347.67	33.10732
603358.27	4130397.67	31.03333	603408.27	4130097.67	6.97110
603408.27	4130147.67	9.07605	603408.27	4130197.67	12.03333
603408.27	4130247.67	16.18222	603408.27	4130297.67	21.30585
603408.27	4130347.67	23.93426	603408.27	4130397.67	19.43090
603408.27	4130447.67	12.73644	603458.27	4130047.67	5.61932
603458.27	4130097.67	7.02770	603458.27	4130147.67	8.89759
603458.27	4130197.67	11.40119	603458.27	4130247.67	14.59139
603458.27	4130297.67	17.45249	603458.27	4130347.67	17.12727
603458.27	4130397.67	13.02812	603458.27	4130447.67	9.09363
603458.27	4130497.67	7.16658	603508.27	4129997.67	4.62926
603508.27	4130047.67	5.61800	603508.27	4130097.67	6.88030
603508.27	4130147.67	8.50824			

603508.27 4130197.67 10.56366
603508.27 4130247.67 12.78436
603508.27 4130297.67 13.89742
603508.27 4130347.67 12.41890
603508.27 4130397.67 9.29907
603508.27 4130447.67 6.86246
603508.27 4130497.67 5.63206
603508.27 4130547.67 4.84708
603558.27 4129997.67 4.60533
603558.27 4130047.67 5.50153
603558.27 4130097.67 6.61626
603558.27 4130147.67 8.00295
603558.27 4130197.67 9.61905
603558.27 4130247.67 10.93849
603558.27 4130297.67 10.92342
603558.27 4130347.67 9.22496
603558.27 4130397.67 6.97222
603558.27 4130447.67 5.38850
603558.27 4130497.67 4.56015
603558.27 4130547.67 3.99134
603558.27 4130597.67 3.52549
603608.27 4129997.67 4.51358
603608.27 4130047.67 5.31310
603608.27 4130097.67 6.28791
603608.27 4130147.67 7.44970
603608.27 4130197.67 8.60461
603608.27 4130247.67 9.18119
603608.27 4130297.67 8.59504
603608.27 4130347.67 7.04335
603608.27 4130397.67 5.43429
603608.27 4130447.67 4.36588
603608.27 4130497.67 3.77786
603608.27 4130547.67 3.35324
603608.27 4130597.67 2.99772
603658.27 4129997.67 4.37193
603658.27 4130047.67 5.08316
603658.27 4130097.67 5.92920
603658.27 4130147.67 6.85355
603658.27 4130197.67 7.57713
603658.27 4130247.67 7.62883
603658.27 4130297.67 6.81324
603658.27 4130347.67 5.53157
603658.27 4130397.67 4.36816
603658.27 4130447.67 3.61947
603658.27 4130497.67 3.18996
603658.27 4130547.67 2.86176
603658.27 4130597.67 2.58259
602640.57 4130170.66 1.39916
602640.57 4130220.66 1.55732
602640.57 4130270.66 1.75809
602640.57 4130320.66 2.00141

*** MODELOPTs: RegDFAULT CONC ELEV FLGPOL URBAN ADJ_U*

*** THE ANNUAL AVERAGE CONCENTRATION VALUES AVERAGED OVER 1 YEARS FOR SOURCE GROUP: ALL ***
INCLUDING SOURCE(S):
REFUEL ,

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

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

X-COORD (M)	Y-COORD (M)	CONC	X-COORD (M)	Y-COORD (M)	CONC
602640.57	4130370.66	2.26118	602640.57	4130420.66	2.52590
602640.57	4130470.66	2.84527	602640.57	4130520.66	3.27898
602640.57	4130570.66	3.91380	602640.57	4130620.66	4.89016
602640.57	4130670.66	5.96394	602640.57	4130720.66	6.55632
602640.57	4130770.66	6.51535	602640.57	4130820.66	6.10501
602640.57	4130870.66	5.54004	602640.57	4130920.66	4.89705
602690.57	4130220.66	1.75936	602690.57	4130270.66	1.99812
602690.57	4130320.66	2.30244	602690.57	4130370.66	2.64437
602690.57	4130420.66	2.99989	602690.57	4130470.66	3.42695
602690.57	4130520.66	4.02201	602690.57	4130570.66	4.95322
602690.57	4130620.66	6.34482	602690.57	4130670.66	7.56367
602690.57	4130720.66	7.90231	602690.57	4130770.66	7.50894
602690.57	4130820.66	6.79326	602690.57	4130870.66	5.94447
602690.57	4130920.66	5.06526	602740.57	4130220.66	2.00981
602740.57	4130270.66	2.30003			

602740.57 4130320.66 2.67954
602740.57 4130370.66 3.14000
602740.57 4130420.66 3.63150
602740.57 4130470.66 4.22246
602740.57 4130520.66 5.07679
602740.57 4130570.66 6.51217
602740.57 4130620.66 8.45108
602740.57 4130670.66 9.61082
602740.57 4130720.66 9.44476
602740.57 4130770.66 8.55344
602740.57 4130820.66 7.39986
602740.57 4130870.66 6.19489
602790.57 4130270.66 2.68538
602790.57 4130320.66 3.16632
602790.57 4130370.66 3.79496
602790.57 4130420.66 4.50162
602790.57 4130470.66 5.35647
602790.57 4130520.66 6.66039
602790.57 4130570.66 8.97411
602790.57 4130620.66 11.49584
602790.57 4130670.66 12.14236
602790.57 4130720.66 11.13473
602790.57 4130770.66 9.51363
602790.57 4130820.66 7.78899
602840.57 4130320.66 3.81639
602840.57 4130370.66 4.68982
602840.57 4130420.66 5.75170
602840.57 4130470.66 7.06147
602840.57 4130520.66 9.22163
602840.57 4130570.66 13.05895
602840.57 4130620.66 15.79737
602840.57 4130670.66 15.11374
602840.57 4130720.66 12.77003
602840.57 4130770.66 10.15368
602890.57 4130370.66 5.96487
602890.57 4130420.66 7.64787
602890.57 4130470.66 9.81739
602890.57 4130520.66 13.79178
602890.57 4130570.66 20.07551
602890.57 4130620.66 21.55235
602890.57 4130670.66 18.20410
602940.57 4130520.66 23.16237
602940.57 4130570.66 32.07632
602940.57 4130620.66 28.33518
602754.62 4130958.49 4.45478
602804.62 4130858.49 6.62815
602804.62 4130908.49 5.38204
602804.62 4130958.49 4.47945
602854.62 4130808.49 8.43618
602854.62 4130858.49 6.65592
602854.62 4130908.49 5.40554

*** MODELOPTs: RegDFAULT CONC ELEV FLGPOL URBAN ADJ_U*

*** THE ANNUAL AVERAGE CONCENTRATION VALUES AVERAGED OVER 1 YEARS FOR SOURCE GROUP: ALL ***
INCLUDING SOURCE(S):
REFUEL ,

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

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

X-COORD (M)	Y-COORD (M)	CONC	X-COORD (M)	Y-COORD (M)	CONC
602854.62	4130958.49	4.47372	602904.62	4130758.49	11.17475
602904.62	4130808.49	8.47338	602904.62	4130858.49	6.64942
602904.62	4130908.49	5.32621	602904.62	4130958.49	4.32528
602954.62	4130708.49	15.64218	602954.62	4130758.49	11.18141
602954.62	4130808.49	8.34385	602954.62	4130858.49	6.40114
602954.62	4130908.49	5.03061	602954.62	4130958.49	4.05111
603004.62	4130658.49	23.69821	603004.62	4130708.49	15.41484
603004.62	4130758.49	10.68884	603004.62	4130808.49	7.78696
603004.62	4130858.49	5.92805	603004.62	4130908.49	4.68630
603004.62	4130958.49	3.81917	603054.62	4130658.49	22.37761
603054.62	4130708.49	14.07889	603054.62	4130758.49	9.72602
603054.62	4130808.49	7.18165	603054.62	4130858.49	5.55880
603054.62	4130908.49	4.45319	603054.62	4130958.49	3.66115
603104.62	4130708.49	12.67014	603104.62	4130758.49	8.95846
603104.62	4130808.49	6.71201			

603104.62 4130858.49 5.24441
603104.62 4130908.49 4.22647
603104.62 4130958.49 3.49003
603154.62 4130708.49 11.05784
603154.62 4130758.49 8.03029
603154.62 4130808.49 6.13314
603154.62 4130858.49 4.85661
603154.62 4130908.49 3.95625
603154.62 4130958.49 3.29398
603204.62 4130708.49 8.61032
603204.62 4130758.49 6.56934
603204.62 4130808.49 5.20795
603204.62 4130858.49 4.24716
603204.62 4130908.49 3.53697
603204.62 4130958.49 2.99642
603254.62 4130658.49 9.74680
603254.62 4130708.49 7.06702
603254.62 4130758.49 5.38957
603254.62 4130808.49 4.30474
603254.62 4130858.49 3.55915
603254.62 4130908.49 3.01471
603254.62 4130958.49 2.59907
603304.62 4130758.49 4.79823
603304.62 4130908.49 2.64232
603304.62 4130958.49 2.27196
603354.62 4130908.49 2.44924
603354.62 4130958.49 2.09203
603005.81 4130339.02 9.79049
603005.81 4130359.02 11.32951
603025.81 4130359.02 13.14952
603025.81 4130379.02 15.63492
603045.81 4130359.02 15.33943
603045.81 4130379.02 18.73023
603065.81 4130359.02 17.87464
603065.81 4130379.02 22.60100
603085.81 4130359.02 20.59185
603105.81 4130339.02 17.72401
603105.81 4130359.02 23.19126
603105.81 4130379.02 31.81685
603125.81 4130339.02 19.33736
603125.81 4130359.02 25.76196
603125.81 4130379.02 36.33296
603145.81 4130359.02 29.90673
603145.81 4130379.02 43.91002
603035.25 4130307.16 9.17894
603035.25 4130327.16 10.74615
603055.25 4130307.16 10.12085
603055.25 4130327.16 12.06692
603075.25 4130287.16 9.26234
603075.25 4130307.16 11.05523
603075.25 4130327.16 13.42209

*** MODELOPTs: RegDFAULT CONC ELEV FLGPOL URBAN ADJ_U*

*** THE ANNUAL AVERAGE CONCENTRATION VALUES AVERAGED OVER 1 YEARS FOR SOURCE GROUP: ALL ***
INCLUDING SOURCE(S):
REFUEL ,

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

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

X-COORD (M)	Y-COORD (M)	CONC	X-COORD (M)	Y-COORD (M)	CONC
603095.25	4130287.16	9.88858	603095.25	4130307.16	11.93947
603115.25	4130287.16	10.48951	603135.25	4130287.16	11.20345
603135.25	4130307.16	13.77536	603155.25	4130287.16	12.32919
603155.25	4130307.16	15.42216	603155.25	4130327.16	19.94854
603175.25	4130287.16	14.13082	603175.25	4130307.16	18.11296
603175.25	4130327.16	24.19399	603175.25	4130347.16	33.98713
602962.66	4130491.49	22.09628	602962.66	4130511.49	27.62603
602962.66	4130531.49	34.06296	602962.66	4130551.49	38.61659
602982.66	4130511.49	36.57703	602982.66	4130531.49	44.88630
602982.66	4130551.49	48.76351	602982.66	4130571.49	47.11493
603002.66	4130531.49	60.31457	603002.66	4130551.49	61.37204
603235.59	4130440.48	125.63618	603235.59	4130460.48	86.55943
603255.59	4130320.48	35.73798	603255.59	4130340.48	46.41899
603255.59	4130420.48	100.10174	603255.59	4130440.48	84.03905
603255.59	4130460.48	59.30337			

603255.59 4130480.48 43.02279
603275.59 4130320.48 35.78767
603275.59 4130340.48 45.12449
603275.59 4130360.48 56.67615
603275.59 4130380.48 68.83419
603275.59 4130400.48 76.64955
603275.59 4130420.48 73.48861
603275.59 4130440.48 59.23227
603275.59 4130460.48 43.17835
603275.59 4130480.48 32.97853
603275.59 4130500.48 27.31821
603295.59 4130340.48 42.71694
603295.59 4130360.48 51.42009
603295.59 4130380.48 58.74368
603295.59 4130400.48 60.87117
603295.59 4130420.48 55.05525
603295.59 4130440.48 43.67611
603295.59 4130460.48 32.90494
603295.59 4130480.48 26.13306
603295.59 4130500.48 22.16725
603295.59 4130520.48 19.21973
603315.59 4130360.48 45.66995
603315.59 4130380.48 49.34988
603315.59 4130400.48 48.36492
603315.59 4130420.48 42.19650
603315.59 4130440.48 33.48326
603315.59 4130460.48 26.01657
603315.59 4130480.48 21.29851
603315.59 4130500.48 18.40647
603315.59 4130520.48 16.21388
603335.59 4130380.48 41.20759
603335.59 4130420.48 33.04845
603335.59 4130440.48 26.43625
603335.59 4130460.48 21.11322
603335.59 4130480.48 17.70976
603355.59 4130440.48 21.40157
603355.59 4130460.48 17.50633
603025.04 4130593.30 48.95406
603025.04 4130613.30 38.37879
603045.04 4130613.30 38.31622
603045.04 4130633.30 30.04292
603065.04 4130613.30 37.22290
603065.04 4130633.30 28.87151
603085.04 4130633.30 27.22533
603085.04 4130653.30 21.75549
603105.04 4130653.30 20.59426
603125.04 4130653.30 19.42552
603145.04 4130633.30 21.91834
603145.04 4130653.30 17.97503
603165.04 4130613.30 23.64445
603165.04 4130633.30 19.31490

*** MODELOPTs: RegDFAULT CONC ELEV FLGPOL URBAN ADJ_U*

*** THE ANNUAL AVERAGE CONCENTRATION VALUES AVERAGED OVER 1 YEARS FOR SOURCE GROUP: ALL ***
INCLUDING SOURCE(S):
REFUEL ,

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

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

X-COORD (M)	Y-COORD (M)	CONC	X-COORD (M)	Y-COORD (M)	CONC
603165.04	4130653.30	16.11186	603185.04	4130593.30	24.81696
603185.04	4130613.30	20.06358	603185.04	4130633.30	16.64947
603185.04	4130653.30	14.09917	603205.04	4130593.30	21.60227
603205.04	4130613.30	17.57962	603205.04	4130633.30	14.64484
603205.04	4130653.30	12.45742	603225.04	4130613.30	15.83607
603225.04	4130633.30	13.29398	603245.04	4130633.30	12.17846
602922.39	4130406.41	8.68814	602922.39	4130426.41	9.73299
602942.39	4130386.41	8.78201	602942.39	4130406.41	9.95301
602942.39	4130426.41	11.28660	602942.39	4130446.41	12.79401
602962.39	4130386.41	10.04749	602962.39	4130406.41	11.52799
602962.39	4130426.41	13.26006	602962.39	4130446.41	15.24805
602962.39	4130466.41	17.65159	602982.39	4130406.41	13.52589
602982.39	4130426.41	15.83238	602982.39	4130446.41	18.55295
602982.39	4130466.41	21.90731	602982.39	4130486.41	26.69234
603002.39	4130426.41	19.27113			

603002.39 4130446.41 23.13301
603002.39 4130466.41 28.02633
603002.39 4130486.41 35.38406
603002.39 4130506.41 46.95568
603022.39 4130446.41 29.75383
603022.39 4130466.41 37.31633
603022.39 4130486.41 49.48975
603022.39 4130506.41 68.01720
603042.39 4130466.41 52.54476
603042.39 4130486.41 74.62871
603042.39 4130506.41 104.52714
603062.39 4130466.41 80.28131
603073.49 4130393.01 29.38019
603073.49 4130413.01 39.54856
603093.49 4130393.01 36.49118
603093.49 4130413.01 53.14064
603093.49 4130433.01 82.60646
603113.49 4130393.01 43.93779
603113.49 4130413.01 70.02513
603084.25 4130509.77 276.96207
603084.25 4130529.77 175.66398
603104.25 4130509.77 360.89996
603104.25 4130529.77 177.75227
603104.25 4130549.77 102.07296
603124.25 4130529.77 155.55002
603170.74 4130474.71 377.23028
603170.74 4130494.71 187.25947
603190.74 4130474.71 183.41183
603190.74 4130494.71 111.48121
603190.74 4130514.71 76.10278
603210.74 4130494.71 73.51237
603210.74 4130514.71 54.62019
603210.74 4130534.71 41.73008
603230.74 4130494.71 52.08773
603230.74 4130514.71 40.93451
603230.74 4130534.71 32.76618
603230.74 4130554.71 26.64950
603250.74 4130514.71 31.89411
603250.74 4130534.71 26.39067
603250.74 4130554.71 22.09235
603270.74 4130534.71 21.69851
603270.74 4130554.71 18.56361
603290.74 4130534.71 18.14342
603348.17 4130591.19 8.85884
603348.17 4130641.19 7.02725
603398.17 4130541.19 8.39131
603398.17 4130591.19 6.86448
603398.17 4130641.19 5.64004
603448.17 4130541.19 6.46715
603448.17 4130591.19 5.46801
603448.17 4130641.19 4.63428

*** MODELOPTs: RegDFAULT CONC ELEV FLGPOL URBAN ADJ_U*

*** THE ANNUAL AVERAGE CONCENTRATION VALUES AVERAGED OVER 1 YEARS FOR SOURCE GROUP: ALL ***
INCLUDING SOURCE(S):
REFUEL ,

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

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

X-COORD (M)	Y-COORD (M)	CONC	X-COORD (M)	Y-COORD (M)	CONC
603498.17	4130591.19	4.45950	603498.17	4130641.19	3.87529
603548.17	4130641.19	3.28637	603206.05	4130384.23	97.23179
603206.05	4130404.23	152.36457	603206.05	4130424.23	225.01398
603206.05	4130444.23	246.71651	603226.05	4130384.23	95.50986
603226.05	4130404.23	133.29900	603226.05	4130424.23	163.22672
603246.05	4130384.23	87.32356	603246.05	4130404.23	109.09972
603096.01	4130606.06	37.39583	603096.01	4130626.06	28.69515
603116.01	4130606.06	34.63887	603116.01	4130626.06	26.86784
603116.01	4130646.06	21.50817	603136.01	4130606.06	31.63281
603136.01	4130626.06	24.82129	603094.75	4130604.93	38.39764
603094.75	4130624.93	29.33325	603114.75	4130604.93	35.61854
603114.75	4130624.93	27.46574	603114.75	4130644.93	21.92530
603134.75	4130584.93	43.47141	603134.75	4130604.93	32.59515
603154.75	4130584.93	37.00919	602703.60	4130052.56	1.26196

*** MODELOPTs: RegDFAULT CONC ELEV FLGPOL URBAN ADJ_U*

*** THE 1ST HIGHEST 1-HR AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: ALL ***
INCLUDING SOURCE(S):
REFUEL ,

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

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

X-COORD (M)	Y-COORD (M)	CONC	(YYMMDDHH)	X-COORD (M)	Y-COORD (M)	CONC	(YYMMDDHH)
602766.91	4130103.30	75.18014	(17021004)	602766.91	4130153.30	89.17465	(17112019)
602816.91	4130053.30	67.76781	(17051423)	602816.91	4130103.30	76.25443	(17032823)
602816.91	4130153.30	92.25877	(17021004)	602816.91	4130203.30	111.61695	(17112019)
602866.91	4130003.30	75.23614	(17010906)	602866.91	4130053.30	79.24386	(17010906)
602866.91	4130103.30	84.26476	(17080305)	602866.91	4130153.30	92.49897	(17032823)
602866.91	4130203.30	117.37207	(17021004)	602866.91	4130253.30	143.81507	(17112019)
602916.91	4129953.30	73.16534	(17121923)	602916.91	4130003.30	74.60544	(17081402)
602916.91	4130053.30	86.62485	(17010906)	602916.91	4130103.30	103.76155	(17010906)
602916.91	4130153.30	109.93729	(17080305)	602916.91	4130203.30	121.80441	(17051423)
602916.91	4130253.30	156.97758	(17021004)	602966.91	4129953.30	77.89835	(17010624)
602966.91	4130003.30	88.58979	(17121923)	602966.91	4130053.30	102.22953	(17121923)
602966.91	4130103.30	108.47848	(17121923)	602966.91	4130153.30	128.97303	(17010906)
602966.91	4130203.30	154.39210	(17010906)	602966.91	4130253.30	169.76716	(17051423)
602966.91	4130303.30	226.89555	(17021004)	603016.91	4129953.30	70.57967	(17091721)

603016.91 4130003.30 81.58480 (17091721)
603016.91 4130053.30 102.92704 (17010624)
603016.91 4130103.30 125.93428 (17010624)
603016.91 4130153.30 153.04095 (17121923)
603016.91 4130203.30 179.18584 (17121923)
603016.91 4130253.30 221.86198 (17010906)
603016.91 4130303.30 266.49970 (17080305)
603066.91 4129953.30 81.52838 (17111122)
603066.91 4130003.30 91.44217 (17111122)
603066.91 4130053.30 102.54224 (17111122)
603066.91 4130103.30 118.34923 (17122623)
603066.91 4130153.30 143.31656 (17122623)
603066.91 4130203.30 186.16798 (17010624)
603066.91 4130253.30 263.94907 (17010624)
603116.91 4129953.30 81.16574 (17121217)
603116.91 4130003.30 94.34593 (17121217)
603116.91 4130053.30 111.45279 (17121217)
603116.91 4130103.30 134.27908 (17121217)
603116.91 4130153.30 165.87006 (17121217)
603116.91 4130203.30 211.49790 (17121217)
603116.91 4130253.30 281.67908 (17121217)
603166.91 4129953.30 74.76786 (17080323)
603166.91 4130003.30 91.02371 (17111324)
603166.91 4130053.30 116.41195 (17111324)
603166.91 4130103.30 152.07822 (17111324)
603166.91 4130153.30 203.63809 (17111324)
603166.91 4130203.30 280.43933 (17111324)
603216.91 4129953.30 123.47884 (17122518)
603216.91 4130003.30 147.28207 (17122518)
603216.91 4130053.30 173.76944 (17122518)
603216.91 4130103.30 200.66594 (17122518)
603216.91 4130153.30 242.39368 (17112021)
603216.91 4130203.30 298.23705 (17122517)
603216.91 4130253.30 384.72689 (17121318)
603266.91 4129953.30 123.17586 (17112021)
603266.91 4130003.30 139.81011 (17122517)
603266.91 4130053.30 158.85051 (17122120)
603266.91 4130103.30 176.71842 (17080405)
603266.91 4130153.30 233.52793 (17121318)
603266.91 4130203.30 265.62383 (17122317)
603316.91 4129953.30 110.63230 (17080405)
603316.91 4130003.30 133.40266 (17121318)
603316.91 4130053.30 158.10446 (17121318)
603316.91 4130103.30 169.30973 (17122317)
603316.91 4130153.30 213.56080 (17122317)
603366.91 4129953.30 115.06919 (17121318)
603366.91 4130003.30 120.14682 (17122317)
603366.91 4130053.30 148.73381 (17122317)
603366.91 4130103.30 169.16934 (17112401)
603416.91 4129953.30 110.89020 (17122317)
603416.91 4130003.30 118.19097 (17011119)
603466.91 4129953.30 105.16906 (17112401)

*** MODELOPTs: RegDFAULT CONC ELEV FLGPOL URBAN ADJ_U*

*** THE 1ST HIGHEST 1-HR AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: ALL ***
INCLUDING SOURCE(S):
REFUEL ,

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

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

X-COORD (M)	Y-COORD (M)	CONC	(YYMMDDHH)	X-COORD (M)	Y-COORD (M)	CONC	(YYMMDDHH)
603308.27	4130247.67	306.07495	(17112406)	603308.27	4130297.67	348.15638	(17012918)
603358.27	4130197.67	215.04100	(17112406)	603358.27	4130247.67	242.05113	(17012918)
603358.27	4130297.67	301.45449	(17112321)	603358.27	4130347.67	349.05610	(17122416)
603358.27	4130397.67	394.50517	(17121520)	603408.27	4130097.67	154.53144	(17112406)
603408.27	4130147.67	170.62880	(17122319)	603408.27	4130197.67	182.33230	(17111624)
603408.27	4130247.67	225.16578	(17111918)	603408.27	4130297.67	243.54750	(17120717)
603408.27	4130347.67	277.86708	(17121319)	603408.27	4130397.67	303.25276	(17011118)
603408.27	4130447.67	276.06132	(17120118)	603458.27	4130047.67	127.84792	(17112406)
603458.27	4130097.67	138.87403	(17122319)	603458.27	4130147.67	144.30183	(17111624)
603458.27	4130197.67	176.00062	(17111918)	603458.27	4130247.67	190.33494	(17120717)
603458.27	4130297.67	210.76359	(17011720)	603458.27	4130347.67	224.56611	(17121520)
603458.27	4130397.67	239.52591	(17012521)	603458.27	4130447.67	202.05048	(17120118)
603458.27	4130497.67	175.83154	(17121119)	603508.27	4129997.67	105.47494	(17112406)
603508.27	4130047.67	115.17950	(17122319)	603508.27	4130097.67	118.13183	(17111624)

603508.27 4130147.67 140.92231 (17111918)
603508.27 4130197.67 143.75111 (17120717)
603508.27 4130247.67 157.72275 (17111818)
603508.27 4130297.67 180.20190 (17121319)
603508.27 4130347.67 193.71344 (17121520)
603508.27 4130397.67 199.55970 (17010623)
603508.27 4130447.67 152.86838 (17120118)
603508.27 4130497.67 144.19443 (17112320)
603508.27 4130547.67 143.23069 (17112319)
603558.27 4129997.67 97.10269 (17122319)
603558.27 4130047.67 99.18540 (17111624)
603558.27 4130097.67 117.53410 (17012918)
603558.27 4130147.67 122.54696 (17112321)
603558.27 4130197.67 133.12113 (17120717)
603558.27 4130247.67 145.80873 (17011720)
603558.27 4130297.67 152.06466 (17121418)
603558.27 4130347.67 165.57183 (17011118)
603558.27 4130397.67 171.60868 (17120118)
603558.27 4130447.67 122.28413 (17012919)
603558.27 4130497.67 121.87596 (17112320)
603558.27 4130547.67 118.12644 (17112319)
603558.27 4130597.67 110.84173 (17012819)
603608.27 4129997.67 84.91358 (17111624)
603608.27 4130047.67 100.27268 (17012918)
603608.27 4130097.67 106.14484 (17112321)
603608.27 4130147.67 113.10822 (17120717)
603608.27 4130197.67 115.11225 (17011720)
603608.27 4130247.67 129.01666 (17121319)
603608.27 4130297.67 136.08357 (17121520)
603608.27 4130347.67 139.88827 (17011118)
603608.27 4130397.67 148.63177 (17120118)
603608.27 4130447.67 104.68304 (17012919)
603608.27 4130497.67 104.61943 (17112320)
603608.27 4130547.67 97.07588 (17112319)
603608.27 4130597.67 98.36319 (17012819)
603658.27 4129997.67 86.64048 (17012918)
603658.27 4130047.67 91.82785 (17112321)
603658.27 4130097.67 93.47520 (17120717)
603658.27 4130147.67 98.84522 (17111818)
603658.27 4130197.67 108.80006 (17011720)
603658.27 4130247.67 113.08316 (17121418)
603658.27 4130297.67 121.20630 (17121520)
603658.27 4130347.67 120.97506 (17012521)
603658.27 4130397.67 127.92228 (17120118)
603658.27 4130447.67 90.83719 (17012919)
603658.27 4130497.67 91.02230 (17112320)
603658.27 4130547.67 85.76562 (17011521)
603658.27 4130597.67 87.24095 (17112219)
602640.57 4130170.66 71.20357 (17122023)
602640.57 4130220.66 68.60582 (17080404)
602640.57 4130270.66 71.91056 (17102321)
602640.57 4130320.66 84.38157 (17111124)

*** MODELOPTs: RegDFAULT CONC ELEV FLGPOL URBAN ADJ_U*

*** THE 1ST HIGHEST 1-HR AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: ALL ***
INCLUDING SOURCE(S):
REFUEL ,

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

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

X-COORD (M)	Y-COORD (M)	CONC	(YYMMDDHH)
602640.57	4130370.66	86.67626	(17121102)
602640.57	4130420.66	87.48092	(17010205)
602640.57	4130470.66	89.64347	(17111107)
602640.57	4130520.66	89.90388	(17111623)
602640.57	4130570.66	88.90128	(17112003)
602640.57	4130620.66	116.64517	(17011601)
602640.57	4130670.66	118.24143	(17122402)
602640.57	4130720.66	113.09029	(17110924)
602640.57	4130770.66	105.55272	(17120724)
602640.57	4130820.66	100.98985	(17112602)
602640.57	4130870.66	92.92006	(17110702)
602640.57	4130920.66	87.86442	(17112002)
602690.57	4130220.66	82.97502	(17122023)
602690.57	4130270.66	79.68299	(17122720)
602690.57	4130320.66	97.33946	(17111124)
602690.57	4130370.66	99.83280	(17121102)
602690.57	4130420.66	101.27933	(17010205)
602690.57	4130470.66	104.10827	(17111107)
602690.57	4130520.66	105.27105	(17111623)
602690.57	4130570.66	101.42954	(17112303)
602690.57	4130620.66	140.74124	(17011601)
602690.57	4130670.66	132.33949	(17120223)
602690.57	4130720.66	127.02950	(17121424)
602690.57	4130770.66	117.05424	(17111901)
602690.57	4130820.66	108.45044	(17110702)
602690.57	4130870.66	102.33876	(17112302)
602690.57	4130920.66	93.69980	(17112603)
602740.57	4130220.66	94.61747	(17122023)

602740.57 4130270.66 94.37790 (17080404)
602740.57 4130320.66 106.36918 (17111124)
602740.57 4130370.66 117.57548 (17111805)
602740.57 4130420.66 118.53395 (17112723)
602740.57 4130470.66 123.08998 (17111107)
602740.57 4130520.66 124.41199 (17111623)
602740.57 4130570.66 135.19893 (17011601)
602740.57 4130620.66 163.41562 (17120822)
602740.57 4130670.66 154.58769 (17110924)
602740.57 4130720.66 142.88042 (17120724)
602740.57 4130770.66 131.93363 (17112602)
602740.57 4130820.66 121.57724 (17112302)
602740.57 4130870.66 110.44609 (17112603)
602790.57 4130270.66 119.38327 (17122023)
602790.57 4130320.66 113.69135 (17122720)
602790.57 4130370.66 138.92550 (17111124)
602790.57 4130420.66 143.38060 (17112723)
602790.57 4130470.66 148.89585 (17111107)
602790.57 4130520.66 148.33133 (17111623)
602790.57 4130570.66 189.37253 (17011601)
602790.57 4130620.66 190.44517 (17122707)
602790.57 4130670.66 177.00367 (17112005)
602790.57 4130720.66 165.91696 (17112602)
602790.57 4130770.66 147.19721 (17112302)
602790.57 4130820.66 133.09466 (17112603)
602840.57 4130320.66 142.47466 (17080404)
602840.57 4130370.66 172.96975 (17111124)
602840.57 4130420.66 177.38340 (17011608)
602840.57 4130470.66 185.61202 (17111107)
602840.57 4130520.66 183.23380 (17112003)
602840.57 4130570.66 249.24290 (17011601)
602840.57 4130620.66 231.56861 (17110924)
602840.57 4130670.66 206.71839 (17111901)
602840.57 4130720.66 182.46012 (17012903)
602840.57 4130770.66 165.07123 (17112603)
602890.57 4130370.66 196.42582 (17111124)
602890.57 4130420.66 232.67150 (17121102)
602890.57 4130470.66 241.15810 (17111107)
602890.57 4130520.66 238.31211 (17112003)
602890.57 4130570.66 313.61122 (17122402)
602890.57 4130620.66 280.90913 (17120724)
602890.57 4130670.66 245.36999 (17110702)
602940.57 4130520.66 396.67882 (17011601)
602940.57 4130570.66 410.30712 (17110924)
602940.57 4130620.66 348.81481 (17112602)
602754.62 4130958.49 94.21114 (17121721)
602804.62 4130858.49 128.17886 (17110722)
602804.62 4130908.49 110.24131 (17012807)
602804.62 4130958.49 104.23294 (17112004)
602854.62 4130808.49 157.83856 (17110722)
602854.62 4130858.49 136.53160 (17110603)
602854.62 4130908.49 121.30800 (17112004)

*** MODELOPTs: RegDFAULT CONC ELEV FLGPOL URBAN ADJ_U*

*** THE 1ST HIGHEST 1-HR AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: ALL *** INCLUDING SOURCE(S): REFUEL ,

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

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

X-COORD (M)	Y-COORD (M)	CONC	(YYMMDDHH)
602854.62	4130958.49	109.15985	(17122822)
602904.62	4130758.49	197.98775	(17110722)
602904.62	4130808.49	172.93235	(17112004)
602904.62	4130858.49	147.74002	(17121723)
602904.62	4130908.49	130.98535	(17120224)
602904.62	4130958.49	117.40345	(17120520)
602954.62	4130708.49	257.00648	(17112203)
602954.62	4130758.49	219.70910	(17012505)
602954.62	4130808.49	185.88233	(17120224)
602954.62	4130858.49	161.18610	(17120520)
602954.62	4130908.49	139.93357	(17121019)
602954.62	4130958.49	122.09354	(17111221)
603004.62	4130658.49	386.16646	(17112004)
603004.62	4130708.49	301.91728	(17120820)
603004.62	4130758.49	244.77859	(17111921)
603004.62	4130808.49	202.03989	(17121019)
603004.62	4130858.49	173.66848	(17111221)
603004.62	4130908.49	147.06282	(17111224)
603004.62	4130958.49	126.93874	(17111224)
603054.62	4130658.49	447.80141	(17111921)
603054.62	4130708.49	342.44758	(17111221)
603054.62	4130758.49	265.90284	(17111224)
603054.62	4130808.49	213.31936	(17110501)
603054.62	4130858.49	179.16741	(17120719)
603054.62	4130908.49	148.32919	(17120719)
603054.62	4130958.49	124.42553	(17112903)
603104.62	4130708.49	356.88176	(17112501)
603104.62	4130758.49	278.40850	(17112501)

603104.62 4130808.49 221.82130 (17112501)
603104.62 4130858.49 183.43018 (17121921)
603104.62 4130908.49 157.09091 (17121921)
603104.62 4130958.49 136.23073 (17121921)
603154.62 4130708.49 358.32021 (17120122)
603154.62 4130758.49 272.53752 (17120122)
603154.62 4130808.49 215.44975 (17012708)
603154.62 4130858.49 179.46046 (17111421)
603154.62 4130908.49 153.18033 (17111421)
603154.62 4130958.49 132.77269 (17111421)
603204.62 4130708.49 333.74918 (17111018)
603204.62 4130758.49 270.98536 (17111018)
603204.62 4130808.49 214.70141 (17110720)
603204.62 4130858.49 182.97186 (17110720)
603204.62 4130908.49 153.72283 (17110720)
603204.62 4130958.49 131.01815 (17120519)
603254.62 4130658.49 291.76264 (17110423)
603254.62 4130708.49 223.63521 (17112722)
603254.62 4130758.49 185.49904 (17121819)
603254.62 4130808.49 172.53739 (17090802)
603254.62 4130858.49 159.85766 (17090802)
603254.62 4130908.49 147.29659 (17111018)
603254.62 4130958.49 130.19734 (17111018)
603304.62 4130758.49 167.04613 (17110423)
603304.62 4130908.49 104.12706 (17121819)
603304.62 4130958.49 103.46041 (17090802)
603354.62 4130908.49 94.74798 (17112722)
603354.62 4130958.49 84.65035 (17120819)
603005.81 4130339.02 323.54652 (17021004)
603005.81 4130359.02 388.43393 (17112019)
603025.81 4130359.02 409.77275 (17021004)
603025.81 4130379.02 502.18305 (17112019)
603045.81 4130359.02 432.48572 (17051423)
603045.81 4130379.02 543.80047 (17021004)
603065.81 4130359.02 541.56777 (17010906)
603065.81 4130379.02 591.84238 (17051423)
603085.81 4130359.02 626.47052 (17121923)
603105.81 4130339.02 495.13085 (17122623)
603105.81 4130359.02 665.40146 (17010624)
603105.81 4130379.02 893.67127 (17010624)
603125.81 4130339.02 573.69457 (17121217)
603125.81 4130359.02 720.85541 (17121217)
603125.81 4130379.02 949.45453 (17111122)
603145.81 4130359.02 935.30055 (17111324)
603145.81 4130379.02 1334.86714 (17102917)
603035.25 4130307.16 318.88233 (17010906)
603035.25 4130327.16 334.85313 (17080305)
603055.25 4130307.16 326.58293 (17121923)
603055.25 4130327.16 398.59084 (17010906)
603075.25 4130287.16 334.13807 (17010624)
603075.25 4130307.16 389.36745 (17121923)
603075.25 4130327.16 452.81742 (17121923)

*** MODELOPTs: RegDFAULT CONC ELEV FLGPOL URBAN ADJ_U*

*** THE 1ST HIGHEST 1-HR AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: ALL ***
INCLUDING SOURCE(S):
REFUEL ,

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

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

X-COORD (M)	Y-COORD (M)	CONC	(YYMMDDHH)	X-COORD (M)	Y-COORD (M)	CONC	(YYMMDDHH)
603095.25	4130287.16	310.62252	(17122623)	603095.25	4130307.16	373.92834	(17010624)
603115.25	4130287.16	357.61795	(17111122)	603135.25	4130287.16	334.55586	(17121217)
603135.25	4130307.16	395.75843	(17121217)	603155.25	4130287.16	472.26260	(17122518)
603155.25	4130307.16	582.76943	(17122518)	603155.25	4130327.16	729.47379	(17122518)
603175.25	4130287.16	531.97243	(17122518)	603175.25	4130307.16	633.73265	(17102917)
603175.25	4130327.16	739.11157	(17102917)	603175.25	4130347.16	853.25418	(17122120)
602962.66	4130491.49	398.16820	(17111623)	602962.66	4130511.49	444.66416	(17011601)
602962.66	4130531.49	522.54162	(17121724)	602962.66	4130551.49	499.38710	(17110924)
602982.66	4130511.49	581.59980	(17011601)	602982.66	4130531.49	607.03208	(17122402)
602982.66	4130551.49	569.03660	(17122122)	602982.66	4130571.49	526.28291	(17120107)
603002.66	4130531.49	719.50341	(17110924)	603002.66	4130551.49	658.57583	(17120724)
603235.59	4130440.48	1195.15372	(17011118)	603235.59	4130460.48	1208.47312	(17120118)
603255.59	4130320.48	512.52605	(17112406)	603255.59	4130340.48	560.43409	(17122319)
603255.59	4130420.48	870.36684	(17121418)	603255.59	4130440.48	934.10295	(17011118)

603255.59 4130460.48 907.51151 (17120118)
603255.59 4130480.48 704.07306 (17112320)
603275.59 4130320.48 452.03171 (17122319)
603275.59 4130340.48 523.06040 (17012918)
603275.59 4130360.48 572.47301 (17112321)
603275.59 4130380.48 745.09898 (17122416)
603275.59 4130400.48 692.70823 (17122416)
603275.59 4130420.48 739.70414 (17121520)
603275.59 4130440.48 763.94287 (17012521)
603275.59 4130460.48 703.71304 (17120118)
603275.59 4130480.48 571.31431 (17112320)
603275.59 4130500.48 561.41490 (17112319)
603295.59 4130340.48 470.82918 (17111918)
603295.59 4130360.48 509.03665 (17122416)
603295.59 4130380.48 631.31079 (17122416)
603295.59 4130400.48 580.27397 (17121319)
603295.59 4130420.48 624.75556 (17111219)
603295.59 4130440.48 647.15961 (17010623)
603295.59 4130460.48 560.33182 (17120118)
603295.59 4130480.48 475.16269 (17112320)
603295.59 4130500.48 463.98053 (17112319)
603295.59 4130520.48 440.40727 (17110719)
603315.59 4130360.48 513.72658 (17122416)
603315.59 4130380.48 474.10316 (17121319)
603315.59 4130400.48 499.45062 (17121520)
603315.59 4130420.48 540.08817 (17011118)
603315.59 4130440.48 560.60280 (17120118)
603315.59 4130460.48 456.83607 (17120118)
603315.59 4130480.48 403.65364 (17112320)
603315.59 4130500.48 386.16506 (17112319)
603315.59 4130520.48 377.59551 (17012819)
603335.59 4130380.48 426.75624 (17121319)
603335.59 4130420.48 459.31395 (17011118)
603335.59 4130440.48 486.72254 (17120118)
603335.59 4130460.48 378.73273 (17120118)
603335.59 4130480.48 348.16103 (17112320)
603355.59 4130440.48 423.58202 (17120118)
603355.59 4130460.48 318.60690 (17120118)
603025.04 4130593.30 608.17166 (17111902)
603025.04 4130613.30 525.81579 (17110722)
603045.04 4130613.30 581.43654 (17112004)
603045.04 4130633.30 510.75647 (17120820)
603065.04 4130613.30 643.73026 (17120520)
603065.04 4130633.30 547.00303 (17111921)
603085.04 4130633.30 577.06839 (17111224)
603085.04 4130653.30 500.08931 (17111224)
603105.04 4130653.30 493.67691 (17120719)
603125.04 4130653.30 534.43414 (17121921)
603145.04 4130633.30 661.43983 (17101908)
603145.04 4130653.30 527.96382 (17101908)
603165.04 4130613.30 713.35922 (17110720)
603165.04 4130633.30 609.52582 (17110720)

*** MODELOPTs: RegDFAULT CONC ELEV FLGPOL URBAN ADJ_U*

*** THE 1ST HIGHEST 1-HR AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: ALL ***
INCLUDING SOURCE(S):
REFUEL ,

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

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

X-COORD (M)	Y-COORD (M)	CONC	(YYMMDDHH)	X-COORD (M)	Y-COORD (M)	CONC	(YYMMDDHH)
603165.04	4130653.30	520.26576	(17110720)	603185.04	4130593.30	639.18031	(17090802)
603185.04	4130613.30	603.73957	(17090802)	603185.04	4130633.30	553.21080	(17111018)
603185.04	4130653.30	499.69120	(17111018)	603205.04	4130593.30	555.09920	(17110423)
603205.04	4130613.30	466.68132	(17120819)	603205.04	4130633.30	408.03984	(17121819)
603205.04	4130653.30	383.91683	(17090802)	603225.04	4130613.30	432.83330	(17110423)
603225.04	4130633.30	375.36711	(17112904)	603245.04	4130633.30	337.28523	(17122320)
602922.39	4130406.41	276.34195	(17111124)	602922.39	4130426.41	282.98158	(17121102)
602942.39	4130386.41	260.92329	(17102321)	602942.39	4130406.41	315.44978	(17111124)
602942.39	4130426.41	322.10241	(17111805)	602942.39	4130446.41	325.87529	(17010205)
602962.39	4130386.41	303.38132	(17080404)	602962.39	4130406.41	352.42302	(17111124)
602962.39	4130426.41	374.22099	(17111805)	602962.39	4130446.41	378.57961	(17112723)
602962.39	4130466.41	388.05714	(17110601)	602982.39	4130406.41	380.02165	(17111124)
602982.39	4130426.41	439.37488	(17111124)	602982.39	4130446.41	446.62501	(17011608)
602982.39	4130466.41	462.99946	(17110601)	602982.39	4130486.41	471.12660	(17111623)

603002.39 4130426.41 533.09208 (17111124)
603002.39 4130446.41 549.45118 (17011608)
603002.39 4130466.41 566.00436 (17110601)
603002.39 4130486.41 575.64077 (17111623)
603002.39 4130506.41 711.54696 (17011601)
603022.39 4130446.41 689.88011 (17121102)
603022.39 4130466.41 714.36563 (17110601)
603022.39 4130486.41 719.92549 (17111623)
603022.39 4130506.41 942.10618 (17011601)
603042.39 4130466.41 942.32680 (17110601)
603042.39 4130486.41 937.81478 (17112003)
603042.39 4130506.41 1211.76309 (17120822)
603062.39 4130466.41 1324.76714 (17110601)
603073.49 4130393.01 733.37857 (17051423)
603073.49 4130413.01 1022.40136 (17112019)
603093.49 4130393.01 954.00000 (17010906)
603093.49 4130413.01 1199.41934 (17112606)
603093.49 4130433.01 1835.37594 (17112019)
603113.49 4130393.01 1128.29055 (17010624)
603113.49 4130413.01 1674.17005 (17121923)
603084.25 4130509.77 2217.29465 (17112602)
603084.25 4130529.77 1709.70667 (17110722)
603104.25 4130509.77 3070.32291 (17110722)
603104.25 4130529.77 2095.51882 (17120224)
603104.25 4130549.77 1511.49058 (17121019)
603124.25 4130529.77 2387.91332 (17120719)
603170.74 4130474.71 3696.06183 (17121119)
603170.74 4130494.71 2940.06450 (17112419)
603190.74 4130474.71 2078.83038 (17112320)
603190.74 4130494.71 1836.67537 (17111020)
603190.74 4130514.71 1471.40463 (17012622)
603210.74 4130494.71 1271.94072 (17110719)
603210.74 4130514.71 1115.80521 (17112424)
603210.74 4130534.71 913.56570 (17122417)
603230.74 4130494.71 937.24911 (17112219)
603230.74 4130514.71 833.91563 (17122220)
603230.74 4130534.71 761.09062 (17112419)
603230.74 4130554.71 649.06546 (17111019)
603250.74 4130514.71 689.93630 (17111020)
603250.74 4130534.71 617.24007 (17011321)
603250.74 4130554.71 552.43046 (17112419)
603270.74 4130534.71 503.64088 (17122220)
603270.74 4130554.71 480.39178 (17112424)
603290.74 4130534.71 444.04696 (17111020)
603348.17 4130591.19 260.79436 (17112424)
603348.17 4130641.19 222.12965 (17012622)
603398.17 4130541.19 223.47367 (17012819)
603398.17 4130591.19 200.77978 (17122220)
603398.17 4130641.19 185.59440 (17112419)
603448.17 4130541.19 181.58653 (17112319)
603448.17 4130591.19 170.88230 (17111020)
603448.17 4130641.19 153.67261 (17011321)

*** MODELOPTs: RegDFAULT CONC ELEV FLGPOL URBAN ADJ_U*

*** THE 1ST HIGHEST 1-HR AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: ALL ***
INCLUDING SOURCE(S):
REFUEL ,

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

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

X-COORD (M)	Y-COORD (M)	CONC	(YYMMDDHH)	X-COORD (M)	Y-COORD (M)	CONC	(YYMMDDHH)
603498.17	4130591.19	141.13376	(17110719)	603498.17	4130641.19	126.00875	(17122220)
603548.17	4130641.19	112.51006	(17111020)	603206.05	4130384.23	1074.18410	(17112406)
603206.05	4130404.23	1321.86430	(17012918)	603206.05	4130424.23	2249.53215	(17122416)
603206.05	4130444.23	1843.77030	(17121520)	603226.05	4130384.23	928.51977	(17012918)
603226.05	4130404.23	1155.36011	(17122416)	603226.05	4130424.23	1510.54440	(17122416)
603246.05	4130384.23	794.16483	(17112321)	603246.05	4130404.23	1187.58977	(17122416)
603096.01	4130606.06	754.97066	(17111224)	603096.01	4130626.06	625.95808	(17110501)
603116.01	4130606.06	771.12854	(17112501)	603116.01	4130626.06	650.15199	(17112501)
603116.01	4130646.06	553.92907	(17112501)	603136.01	4130606.06	799.64370	(17111421)
603136.01	4130626.06	660.69334	(17111421)	603094.75	4130604.93	762.33631	(17111224)
603094.75	4130624.93	632.47858	(17111224)	603114.75	4130604.93	772.06588	(17112501)
603114.75	4130624.93	652.89879	(17112501)	603114.75	4130644.93	558.30019	(17112501)
603134.75	4130584.93	1016.37525	(17111421)	603134.75	4130604.93	811.57168	(17111421)
603154.75	4130584.93	1132.24745	(17101908)	602703.60	4130052.56	60.99507	(17021004)

*** MODELOPTs: RegDFAULT CONC ELEV FLGPOL URBAN ADJ_U*

*** THE SUMMARY OF MAXIMUM ANNUAL RESULTS AVERAGED OVER 1 YEARS ***

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

NETWORK GROUP ID	AVERAGE CONC	RECEPTOR (XR, YR, ZELEV, ZHILL, ZFLAG)	OF TYPE	GRID-ID
ALL	1ST HIGHEST VALUE IS	377.23028 AT (	603170.74, 4130474.71, 39.01, 39.01, 1.50)	DC
	2ND HIGHEST VALUE IS	360.89996 AT (	603104.25, 4130509.77, 38.71, 38.71, 1.50)	DC
	3RD HIGHEST VALUE IS	276.96207 AT (	603084.25, 4130509.77, 38.71, 38.71, 1.50)	DC
	4TH HIGHEST VALUE IS	246.71651 AT (	603206.05, 4130444.23, 39.32, 39.32, 1.50)	DC
	5TH HIGHEST VALUE IS	225.01398 AT (	603206.05, 4130424.23, 39.32, 39.32, 1.50)	DC
	6TH HIGHEST VALUE IS	187.25947 AT (	603170.74, 4130494.71, 39.00, 39.00, 1.50)	DC
	7TH HIGHEST VALUE IS	183.41183 AT (	603190.74, 4130474.71, 39.02, 39.02, 1.50)	DC
	8TH HIGHEST VALUE IS	177.75227 AT (	603104.25, 4130529.77, 38.71, 38.71, 1.50)	DC
	9TH HIGHEST VALUE IS	175.66398 AT (	603084.25, 4130529.77, 38.71, 38.71, 1.50)	DC
	10TH HIGHEST VALUE IS	163.22672 AT (	603226.05, 4130424.23, 39.32, 39.32, 1.50)	DC

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

*** MODELOPTs: RegDFAULT CONC ELEV FLGPOL URBAN ADJ_U*

*** THE SUMMARY OF HIGHEST 1-HR RESULTS ***

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

NETWORK GROUP ID	AVERAGE CONC	DATE (YYMMDDHH)	RECEPTOR (XR, YR, ZELEV, ZHILL, ZFLAG)	OF TYPE	GRID-ID
ALL	HIGH 1ST HIGH VALUE IS	3696.06183	ON 17121119: AT (603170.74, 4130474.71, 39.01, 39.01, 1.50)	DC	

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

```
 *** AERMOD - VERSION 23132  ***   *** C:\Lakes\AERMOD View\36
_tully rd\36_tully rd.isc                    ***        07/23/24
 *** AERMET - VERSION  18081 ***   ***
***        08:50:52

PAGE  29
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  FLGPOL  URBAN  ADJ_U*

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

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

 A Total of            0 Fatal Error Message(s)
 A Total of            3 Warning Message(s)
 A Total of          194 Informational Message(s)

 A Total of         8784 Hours Were Processed

 A Total of           52 Calm Hours Identified

 A Total of          142 Missing Hours Identified (  1.62
Percent)


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


    ********   WARNING MESSAGES   ********
 ME W186      64       MEOPEN: THRESH_1MIN 1-min ASOS wind speed
threshold used           0.50
 ME W187      64       MEOPEN: ADJ_U* Option for Stable Low Winds
used in AERMET
 MX W481    8785         MAIN: Data Remaining After End of Year.
Number of Hours=           24

    ***********************************
    *** AERMOD Finishes Successfully ***
    ***********************************
```

```
**
**************************************
**
** AERMOD Input Produced by:
** AERMOD View Ver. 12.0.0
** Lakes Environmental Software Inc.
** Date: 7/23/2024
** File: C:\Lakes\AERMOD View\36_tully rd_GDF_4_spillage\36_tully
rd.ADI
**
**************************************
**
**
**************************************
** AERMOD Control Pathway
**************************************
**
**
CO STARTING
   TITLEONE C:\Lakes\AERMOD View\36_tully rd\36_tully rd.isc
   MODELOPT DFAULT CONC
   AVERTIME 1 ANNUAL
   URBANOPT 1010000 San_Jose
   POLLUTID OTHER
   FLAGPOLE 1.50
   RUNORNOT RUN
   ERRORFIL "36_tully rd.err"
CO FINISHED
**
**************************************
** AERMOD Source Pathway
**************************************
**
**
SO STARTING
** Source Location **
** Source ID - Type - X Coord. - Y Coord. **
   LOCATION SPILL        VOLUME     603135.180  4130470.720
38.930
** Source Parameters **
   SRCPARAM SPILL              1.0     0.000     3.020     1.860
   URBANSRC ALL
   SRCGROUP ALL
SO FINISHED
**
**************************************
** AERMOD Receptor Pathway
**************************************
**
**
RE STARTING
   INCLUDED "36_tully rd.rou"
```

```
RE FINISHED
**
****************************************
** AERMOD Meteorology Pathway
****************************************
**
**
ME STARTING
   SURFFILE "San Jose Intl Airport (KSJC)\KSJC_2017.SFC"
   PROFFILE "San Jose Intl Airport (KSJC)\KSJC_2017.PFL"
   SURFDATA 23293 2017 San_Jose_Airport
   UAIRDATA 23230 2017 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 "36_tully rd.AD\01H1GALL.PLT" 31
   PLOTFILE ANNUAL ALL "36_tully rd.AD\AN00GALL.PLT" 32
   SUMMFILE "36_tully rd.sum"
OU FINISHED


  *** Message Summary For AERMOD Model Setup ***

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

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


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


    ********   WARNING MESSAGES   ********
 ME W186      64       MEOPEN: THRESH_1MIN 1-min ASOS wind speed
threshold used          0.50
 ME W187      64       MEOPEN: ADJ_U* Option for Stable Low Winds
used in AERMET

 ***********************************
 *** SETUP Finishes Successfully ***
 ***********************************
```

```
 *** AERMOD - VERSION 23132  ***   *** C:\Lakes\AERMOD View\36
_tully rd\36_tully rd.isc                    ***        07/23/24
 *** AERMET - VERSION  18081 ***   ***
***        08:52:24

PAGE   1
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  FLGPOL  URBAN  ADJ_U*

                                              ***     MODEL SETUP
OPTIONS SUMMARY       ***
 - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
- - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -

 ** Model Options Selected:
      * Model Uses Regulatory DEFAULT Options
      * Model Is Setup For Calculation of Average CONCentration
Values.
      * NO GAS DEPOSITION Data Provided.
      * NO PARTICLE DEPOSITION Data Provided.
      * Model Uses NO DRY DEPLETION. DDPLETE  =  F
      * Model Uses NO WET DEPLETION. WETDPLT  =  F
      * Stack-tip Downwash.
      * Model Accounts for ELEVated Terrain Effects.
      * Use Calms Processing Routine.
      * Use Missing Data Processing Routine.
      * No Exponential Decay.
      * Model Uses URBAN Dispersion Algorithm for the SBL for
1 Source(s),
        for Total of    1 Urban Area(s):
   Urban Population =   1010000.0 ;  Urban Roughness Length =
1.000 m
      * Urban Roughness Length of 1.0 Meter Used.
      * ADJ_U*   - Use ADJ_U* option for SBL in AERMET
      * CCVR_Sub - Meteorological data includes CCVR
substitutions
      * TEMP_Sub - Meteorological data includes TEMP
substitutions
      * Model Accepts FLAGPOLE Receptor . Heights.
      * The User Specified a Pollutant Type of: OTHER

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

 **This Run Includes:      1 Source(s);       1 Source Group(s);
and     508 Receptor(s)

                 with:      0 POINT(s), including
                            0 POINTCAP(s) and      0 POINTHOR(s)
                  and:      1 VOLUME source(s)
                  and:      0 AREA type source(s)
                  and:      0 LINE source(s)
                  and:      0 RLINE/RLINEXT source(s)
```

```
                and:      0 OPENPIT source(s)
                and:      0 BUOYANT LINE source(s) with a total
of     0 line(s)
                and:      0 SWPOINT source(s)


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

 **The AERMET Input Meteorological Data Version Date:  18081

 **Output Options Selected:
          Model Outputs Tables of ANNUAL Averages by Receptor
          Model Outputs Tables of Highest Short Term Values by
Receptor (RECTABLE Keyword)
          Model Outputs External File(s) of High Values for
Plotting (PLOTFILE Keyword)
          Model Outputs Separate Summary File of High Ranked
Values (SUMMFILE Keyword)

 **NOTE:  The Following Flags May Appear Following CONC Values:
c for Calm Hours

m for Missing Hours

b for Both Calm and Missing Hours

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

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

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

 **Detailed Error/Message File:   36_tully rd.err
 **File for Summary of Results:   36_tully rd.sum
```

*** MODELOPTs: RegDFAULT CONC ELEV FLGPOL URBAN ADJ_U*

*** VOLUME SOURCE DATA ***

RELEASE SOURCE ID	NUMBER EMISSION RATE INIT. PART. CATS.	INIT. (GRAMS/SEC)	URBAN SOURCE	EMISSION RATE X (METERS)	Y (METERS)	BASE ELEV. (METERS)	RELEASE HEIGHT (METERS)	SY (METERS)	SZ (METERS)	AIRCRAFT VARY BY
SPILL	0	0.10000E+01		603135.2	4130470.7	38.9	0.00	3.02	1.86	YES NO

*** MODELOPTs: RegDFAULT CONC ELEV FLGPOL URBAN ADJ_U*

*** SOURCE IDs DEFINING SOURCE GROUPS ***

SRCGROUP ID	SOURCE IDs
ALL	SPILL ,

*** MODELOPTs: RegDFAULT CONC ELEV FLGPOL URBAN ADJ_U*

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

URBAN ID	URBAN POP	SOURCE IDs
1	1010000.	SPILL ,

*** MODELOPTs: RegDFAULT CONC ELEV FLGPOL URBAN ADJ_U*

*** DISCRETE CARTESIAN RECEPTORS ***

(X-COORD, Y-COORD, ZELEV, ZHILL, ZFLAG)

(METERS)

(602766.9, 4130103.3, 40.7, 40.7, 1.5);
(602766.9, 4130153.3, 40.3, 40.3, 1.5);
(602816.9, 4130053.3, 40.9, 40.9, 1.5);
(602816.9, 4130103.3, 40.7, 40.7, 1.5);
(602816.9, 4130153.3, 40.4, 40.4, 1.5);
(602816.9, 4130203.3, 40.0, 40.0, 1.5);
(602866.9, 4130003.3, 41.1, 41.1, 1.5);
(602866.9, 4130053.3, 40.9, 40.9, 1.5);
(602866.9, 4130103.3, 40.6, 40.6, 1.5);
(602866.9, 4130153.3, 40.2, 40.2, 1.5);
(602866.9, 4130203.3, 40.0, 40.0, 1.5);
(602866.9, 4130253.3, 39.8, 39.8, 1.5);
(602916.9, 4129953.3, 41.3, 41.3, 1.5);
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(602916.9, 4130103.3, 40.5, 40.5, 1.5);
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(602966.9, 4130153.3, 40.2, 40.2, 1.5);
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(603016.9, 4130203.3, 39.9, 39.9, 1.5);
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(603016.9, 4130303.3, 39.3, 39.3, 1.5);
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(603066.9, 4130003.3, 41.1, 41.1, 1.5);

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( 603066.9, 4130153.3,      40.2,      40.2,       1.5);
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( 603066.9, 4130253.3,      39.6,      39.6,       1.5);
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( 603116.9, 4130003.3,      41.1,      41.1,       1.5);
     ( 603116.9, 4130053.3,      40.8,      40.8,       1.5);
( 603116.9, 4130103.3,      40.5,      40.5,       1.5);
     ( 603116.9, 4130153.3,      40.2,      40.2,       1.5);
( 603116.9, 4130203.3,      39.9,      39.9,       1.5);
     ( 603116.9, 4130253.3,      39.6,      39.6,       1.5);
( 603166.9, 4129953.3,      41.1,      41.1,       1.5);
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( 603166.9, 4130053.3,      40.8,      40.8,       1.5);
     ( 603166.9, 4130103.3,      40.5,      40.5,       1.5);
( 603166.9, 4130153.3,      40.2,      40.2,       1.5);
     ( 603166.9, 4130203.3,      39.9,      39.9,       1.5);
( 603216.9, 4129953.3,      41.1,      41.1,       1.5);
     ( 603216.9, 4130003.3,      40.8,      40.8,       1.5);
( 603216.9, 4130053.3,      40.7,      40.7,       1.5);
     ( 603216.9, 4130103.3,      40.5,      40.5,       1.5);
( 603216.9, 4130153.3,      40.2,      40.2,       1.5);
     ( 603216.9, 4130203.3,      40.0,      40.0,       1.5);
( 603216.9, 4130253.3,      39.8,      39.8,       1.5);
     ( 603266.9, 4129953.3,      41.1,      41.1,       1.5);
( 603266.9, 4130003.3,      40.8,      40.8,       1.5);
     ( 603266.9, 4130053.3,      40.6,      40.6,       1.5);
( 603266.9, 4130103.3,      40.5,      40.5,       1.5);
     ( 603266.9, 4130153.3,      40.3,      40.3,       1.5);
( 603266.9, 4130203.3,      40.2,      40.2,       1.5);
     ( 603316.9, 4129953.3,      41.1,      41.1,       1.5);
( 603316.9, 4130003.3,      40.8,      40.8,       1.5);
     ( 603316.9, 4130053.3,      40.6,      40.6,       1.5);
( 603316.9, 4130103.3,      40.5,      40.5,       1.5);
     ( 603316.9, 4130153.3,      40.5,      40.5,       1.5);
( 603366.9, 4129953.3,      41.0,      41.0,       1.5);
     ( 603366.9, 4130003.3,      40.8,      40.8,       1.5);
( 603366.9, 4130053.3,      40.7,      40.7,       1.5);
     ( 603366.9, 4130103.3,      40.5,      40.5,       1.5);
( 603416.9, 4129953.3,      41.0,      41.0,       1.5);
     ( 603416.9, 4130003.3,      40.8,      40.8,       1.5);
( 603466.9, 4129953.3,      41.1,      41.1,       1.5);
     ( 603308.3, 4130247.7,      40.1,      40.1,       1.5);
( 603308.3, 4130297.7,      39.9,      39.9,       1.5);
     ( 603358.3, 4130197.7,      40.3,      40.3,       1.5);
( 603358.3, 4130247.7,      40.2,      40.2,       1.5);
     ( 603358.3, 4130297.7,      40.0,      40.0,       1.5);
( 603358.3, 4130347.7,      39.9,      39.9,       1.5);
     ( 603358.3, 4130397.7,      39.9,      39.9,       1.5);
( 603408.3, 4130097.7,      40.5,      40.5,       1.5);
     ( 603408.3, 4130147.7,      40.5,      40.5,       1.5);
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( 603408.3, 4130197.7,      40.3,      40.3,       1.5);
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*** MODELOPTs: RegDFAULT CONC ELEV FLGPOL URBAN ADJ_U*

*** DISCRETE CARTESIAN RECEPTORS ***

(X-COORD, Y-COORD, ZELEV, ZHILL, ZFLAG)

(METERS)

(603408.3, 4130247.7, 40.2, 40.2, 1.5);
(603408.3, 4130297.7, 40.2, 40.2, 1.5);
(603408.3, 4130347.7, 40.2, 40.2, 1.5);
(603408.3, 4130397.7, 39.9, 39.9, 1.5);
(603408.3, 4130447.7, 39.9, 39.9, 1.5);
(603458.3, 4130047.7, 40.8, 40.8, 1.5);
(603458.3, 4130097.7, 40.6, 40.6, 1.5);
(603458.3, 4130147.7, 40.5, 40.5, 1.5);
(603458.3, 4130197.7, 40.4, 40.4, 1.5);
(603458.3, 4130247.7, 40.3, 40.3, 1.5);
(603458.3, 4130297.7, 40.2, 40.2, 1.5);
(603458.3, 4130347.7, 40.2, 40.2, 1.5);
(603458.3, 4130397.7, 40.2, 40.2, 1.5);
(603458.3, 4130447.7, 39.9, 39.9, 1.5);
(603458.3, 4130497.7, 39.9, 39.9, 1.5);
(603508.3, 4129997.7, 41.1, 41.1, 1.5);
(603508.3, 4130047.7, 40.8, 40.8, 1.5);
(603508.3, 4130097.7, 40.8, 40.8, 1.5);
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(603508.3, 4130247.7, 40.5, 40.5, 1.5);
(603508.3, 4130297.7, 40.3, 40.3, 1.5);
(603508.3, 4130347.7, 40.2, 40.2, 1.5);
(603508.3, 4130397.7, 40.2, 40.2, 1.5);
(603508.3, 4130447.7, 40.0, 40.0, 1.5);
(603508.3, 4130497.7, 39.9, 39.9, 1.5);
(603508.3, 4130547.7, 39.6, 39.6, 1.5);
(603558.3, 4129997.7, 41.1, 41.1, 1.5);
(603558.3, 4130047.7, 40.9, 40.9, 1.5);
(603558.3, 4130097.7, 40.8, 40.8, 1.5);
(603558.3, 4130147.7, 40.8, 40.8, 1.5);
(603558.3, 4130197.7, 40.6, 40.6, 1.5);
(603558.3, 4130247.7, 40.5, 40.5, 1.5);
(603558.3, 4130297.7, 40.5, 40.5, 1.5);
(603558.3, 4130347.7, 40.3, 40.3, 1.5);
(603558.3, 4130397.7, 40.2, 40.2, 1.5);
(603558.3, 4130447.7, 40.2, 40.2, 1.5);

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( 603558.3, 4130497.7,      39.9,      39.9,       1.5);
     ( 603558.3, 4130547.7,      39.8,      39.8,       1.5);
( 603558.3, 4130597.7,      39.6,      39.6,       1.5);
     ( 603608.3, 4129997.7,      41.1,      41.1,       1.5);
( 603608.3, 4130047.7,      41.0,      41.0,       1.5);
     ( 603608.3, 4130097.7,      40.9,      40.9,       1.5);
( 603608.3, 4130147.7,      40.8,      40.8,       1.5);
     ( 603608.3, 4130197.7,      40.8,      40.8,       1.5);
( 603608.3, 4130247.7,      40.8,      40.8,       1.5);
     ( 603608.3, 4130297.7,      40.5,      40.5,       1.5);
( 603608.3, 4130347.7,      40.5,      40.5,       1.5);
     ( 603608.3, 4130397.7,      40.3,      40.3,       1.5);
( 603608.3, 4130447.7,      40.2,      40.2,       1.5);
     ( 603608.3, 4130497.7,      40.1,      40.1,       1.5);
( 603608.3, 4130547.7,      39.9,      39.9,       1.5);
     ( 603608.3, 4130597.7,      39.6,      39.6,       1.5);
( 603658.3, 4129997.7,      41.4,      41.4,       1.5);
     ( 603658.3, 4130047.7,      41.2,      41.2,       1.5);
( 603658.3, 4130097.7,      41.1,      41.1,       1.5);
     ( 603658.3, 4130147.7,      41.1,      41.1,       1.5);
( 603658.3, 4130197.7,      40.9,      40.9,       1.5);
     ( 603658.3, 4130247.7,      40.8,      40.8,       1.5);
( 603658.3, 4130297.7,      40.8,      40.8,       1.5);
     ( 603658.3, 4130347.7,      40.5,      40.5,       1.5);
( 603658.3, 4130397.7,      40.5,      40.5,       1.5);
     ( 603658.3, 4130447.7,      40.5,      40.5,       1.5);
( 603658.3, 4130497.7,      40.3,      40.3,       1.5);
     ( 603658.3, 4130547.7,      40.3,      40.3,       1.5);
( 603658.3, 4130597.7,      40.0,      40.0,       1.5);
     ( 602640.6, 4130170.7,      40.5,      40.5,       1.5);
( 602640.6, 4130220.7,      40.2,      40.2,       1.5);
     ( 602640.6, 4130270.7,      39.9,      39.9,       1.5);
( 602640.6, 4130320.7,      39.6,      39.6,       1.5);
     ( 602640.6, 4130370.7,      39.3,      39.3,       1.5);
( 602640.6, 4130420.7,      39.0,      39.0,       1.5);
     ( 602640.6, 4130470.7,      38.8,      38.8,       1.5);
( 602640.6, 4130520.7,      38.5,      38.5,       1.5);
     ( 602640.6, 4130570.7,      38.1,      38.1,       1.5);
( 602640.6, 4130620.7,      38.0,      38.0,       1.5);
     ( 602640.6, 4130670.7,      37.8,      37.8,       1.5);
( 602640.6, 4130720.7,      37.8,      37.8,       1.5);
     ( 602640.6, 4130770.7,      37.5,      37.5,       1.5);
( 602640.6, 4130820.7,      37.5,      37.5,       1.5);
     ( 602640.6, 4130870.7,      37.2,      37.2,       1.5);
( 602640.6, 4130920.7,      36.9,      36.9,       1.5);
     ( 602690.6, 4130220.7,      40.1,      40.1,       1.5);
( 602690.6, 4130270.7,      39.9,      39.9,       1.5);
     ( 602690.6, 4130320.7,      39.4,      39.4,       1.5);
( 602690.6, 4130370.7,      39.3,      39.3,       1.5);
     ( 602690.6, 4130420.7,      39.0,      39.0,       1.5);
( 602690.6, 4130470.7,      38.7,      38.7,       1.5);
     ( 602690.6, 4130520.7,      38.4,      38.4,       1.5);
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( 602690.6, 4130570.7,      38.1,      38.1,       1.5);
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*** MODELOPTs: RegDFAULT CONC ELEV FLGPOL URBAN ADJ_U*

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

(METERS)

(602690.6, 4130620.7, 37.8, 37.8, 1.5);
(602690.6, 4130670.7, 37.8, 37.8, 1.5);
(602690.6, 4130720.7, 37.8, 37.8, 1.5);
(602690.6, 4130770.7, 37.5, 37.5, 1.5);
(602690.6, 4130820.7, 37.5, 37.5, 1.5);
(602690.6, 4130870.7, 37.2, 37.2, 1.5);
(602690.6, 4130920.7, 36.9, 36.9, 1.5);
(602740.6, 4130220.7, 39.9, 39.9, 1.5);
(602740.6, 4130270.7, 39.6, 39.6, 1.5);
(602740.6, 4130320.7, 39.5, 39.5, 1.5);
(602740.6, 4130370.7, 39.2, 39.2, 1.5);
(602740.6, 4130420.7, 39.0, 39.0, 1.5);
(602740.6, 4130470.7, 38.7, 38.7, 1.5);
(602740.6, 4130520.7, 38.4, 38.4, 1.5);
(602740.6, 4130570.7, 38.1, 38.1, 1.5);
(602740.6, 4130620.7, 37.8, 37.8, 1.5);
(602740.6, 4130670.7, 37.8, 37.8, 1.5);
(602740.6, 4130720.7, 37.8, 37.8, 1.5);
(602740.6, 4130770.7, 37.5, 37.5, 1.5);
(602740.6, 4130820.7, 37.5, 37.5, 1.5);
(602740.6, 4130870.7, 37.2, 37.2, 1.5);
(602790.6, 4130270.7, 39.6, 39.6, 1.5);
(602790.6, 4130320.7, 39.6, 39.6, 1.5);
(602790.6, 4130370.7, 39.2, 39.2, 1.5);
(602790.6, 4130420.7, 39.0, 39.0, 1.5);
(602790.6, 4130470.7, 38.7, 38.7, 1.5);
(602790.6, 4130520.7, 38.4, 38.4, 1.5);
(602790.6, 4130570.7, 38.1, 38.1, 1.5);
(602790.6, 4130620.7, 37.8, 37.8, 1.5);
(602790.6, 4130670.7, 37.8, 37.8, 1.5);
(602790.6, 4130720.7, 37.8, 37.8, 1.5);
(602790.6, 4130770.7, 37.5, 37.5, 1.5);
(602790.6, 4130820.7, 37.5, 37.5, 1.5);
(602840.6, 4130320.7, 39.6, 39.6, 1.5);
(602840.6, 4130370.7, 39.2, 39.2, 1.5);
(602840.6, 4130420.7, 39.0, 39.0, 1.5);
(602840.6, 4130470.7, 38.7, 38.7, 1.5);

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( 602840.6, 4130520.7,      38.3,      38.3,       1.5);
     ( 602840.6, 4130570.7,      38.1,      38.1,       1.5);
( 602840.6, 4130620.7,      37.8,      37.8,       1.5);
     ( 602840.6, 4130670.7,      37.8,      37.8,       1.5);
( 602840.6, 4130720.7,      37.8,      37.8,       1.5);
     ( 602840.6, 4130770.7,      37.5,      37.5,       1.5);
( 602890.6, 4130370.7,      39.2,      39.2,       1.5);
     ( 602890.6, 4130420.7,      39.0,      39.0,       1.5);
( 602890.6, 4130470.7,      38.7,      38.7,       1.5);
     ( 602890.6, 4130520.7,      38.4,      38.4,       1.5);
( 602890.6, 4130570.7,      38.1,      38.1,       1.5);
     ( 602890.6, 4130620.7,      38.0,      38.0,       1.5);
( 602890.6, 4130670.7,      37.8,      37.8,       1.5);
     ( 602940.6, 4130520.7,      38.4,      38.4,       1.5);
( 602940.6, 4130570.7,      38.1,      38.1,       1.5);
     ( 602940.6, 4130620.7,      38.1,      38.1,       1.5);
( 602754.6, 4130958.5,      36.9,      36.9,       1.5);
     ( 602804.6, 4130858.5,      37.3,      37.3,       1.5);
( 602804.6, 4130908.5,      37.2,      37.2,       1.5);
     ( 602804.6, 4130958.5,      37.1,      37.1,       1.5);
( 602854.6, 4130808.5,      37.5,      37.5,       1.5);
     ( 602854.6, 4130858.5,      37.3,      37.3,       1.5);
( 602854.6, 4130908.5,      37.2,      37.2,       1.5);
     ( 602854.6, 4130958.5,      37.2,      37.2,       1.5);
( 602904.6, 4130758.5,      37.7,      37.7,       1.5);
     ( 602904.6, 4130808.5,      37.5,      37.5,       1.5);
( 602904.6, 4130858.5,      37.5,      37.5,       1.5);
     ( 602904.6, 4130908.5,      37.4,      37.4,       1.5);
( 602904.6, 4130958.5,      37.2,      37.2,       1.5);
     ( 602954.6, 4130708.5,      37.8,      37.8,       1.5);
( 602954.6, 4130758.5,      37.8,      37.8,       1.5);
     ( 602954.6, 4130808.5,      37.5,      37.5,       1.5);
( 602954.6, 4130858.5,      37.5,      37.5,       1.5);
     ( 602954.6, 4130908.5,      37.5,      37.5,       1.5);
( 602954.6, 4130958.5,      37.4,      37.4,       1.5);
     ( 603004.6, 4130658.5,      38.1,      38.1,       1.5);
( 603004.6, 4130708.5,      37.8,      37.8,       1.5);
     ( 603004.6, 4130758.5,      37.8,      37.8,       1.5);
( 603004.6, 4130808.5,      37.8,      37.8,       1.5);
     ( 603004.6, 4130858.5,      37.6,      37.6,       1.5);
( 603004.6, 4130908.5,      37.5,      37.5,       1.5);
     ( 603004.6, 4130958.5,      37.5,      37.5,       1.5);
( 603054.6, 4130658.5,      38.1,      38.1,       1.5);
     ( 603054.6, 4130708.5,      38.1,      38.1,       1.5);
( 603054.6, 4130758.5,      38.0,      38.0,       1.5);
     ( 603054.6, 4130808.5,      37.8,      37.8,       1.5);
( 603054.6, 4130858.5,      37.8,      37.8,       1.5);
     ( 603054.6, 4130908.5,      37.7,      37.7,       1.5);
( 603054.6, 4130958.5,      37.5,      37.5,       1.5);
     ( 603104.6, 4130708.5,      38.3,      38.3,       1.5);
( 603104.6, 4130758.5,      38.1,      38.1,       1.5);
     ( 603104.6, 4130808.5,      38.1,      38.1,       1.5);
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( 603104.6, 4130858.5,      37.8,      37.8,       1.5);
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*** MODELOPTs: RegDFAULT CONC ELEV FLGPOL URBAN ADJ_U*

*** DISCRETE CARTESIAN RECEPTORS ***

(X-COORD, Y-COORD, ZELEV, ZHILL, ZFLAG)

(METERS)

(603104.6, 4130908.5, 37.8, 37.8, 1.5);
(603104.6, 4130958.5, 37.5, 37.5, 1.5);
(603154.6, 4130708.5, 38.4, 38.4, 1.5);
(603154.6, 4130758.5, 38.3, 38.3, 1.5);
(603154.6, 4130808.5, 38.1, 38.1, 1.5);
(603154.6, 4130858.5, 38.1, 38.1, 1.5);
(603154.6, 4130908.5, 37.9, 37.9, 1.5);
(603154.6, 4130958.5, 37.8, 37.8, 1.5);
(603204.6, 4130708.5, 38.7, 38.7, 1.5);
(603204.6, 4130758.5, 38.4, 38.4, 1.5);
(603204.6, 4130808.5, 38.4, 38.4, 1.5);
(603204.6, 4130858.5, 38.1, 38.1, 1.5);
(603204.6, 4130908.5, 38.0, 38.0, 1.5);
(603204.6, 4130958.5, 37.8, 37.8, 1.5);
(603254.6, 4130658.5, 39.0, 39.0, 1.5);
(603254.6, 4130708.5, 38.7, 38.7, 1.5);
(603254.6, 4130758.5, 38.6, 38.6, 1.5);
(603254.6, 4130808.5, 38.4, 38.4, 1.5);
(603254.6, 4130858.5, 38.2, 38.2, 1.5);
(603254.6, 4130908.5, 38.1, 38.1, 1.5);
(603254.6, 4130958.5, 37.8, 37.8, 1.5);
(603304.6, 4130758.5, 38.7, 38.7, 1.5);
(603304.6, 4130908.5, 38.1, 38.1, 1.5);
(603304.6, 4130958.5, 38.1, 38.1, 1.5);
(603354.6, 4130908.5, 38.3, 38.3, 1.5);
(603354.6, 4130958.5, 38.1, 38.1, 1.5);
(603005.8, 4130339.0, 39.2, 39.2, 1.5);
(603005.8, 4130359.0, 39.0, 39.0, 1.5);
(603025.8, 4130359.0, 39.0, 39.0, 1.5);
(603025.8, 4130379.0, 39.0, 39.0, 1.5);
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(603065.8, 4130379.0, 39.0, 39.0, 1.5);
(603085.8, 4130359.0, 39.0, 39.0, 1.5);
(603105.8, 4130339.0, 39.3, 39.3, 1.5);
(603105.8, 4130359.0, 39.2, 39.2, 1.5);

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( 603105.8, 4130379.0,      39.1,      39.1,       1.5);
     ( 603125.8, 4130339.0,      39.3,      39.3,       1.5);
( 603125.8, 4130359.0,      39.3,      39.3,       1.5);
     ( 603125.8, 4130379.0,      39.2,      39.2,       1.5);
( 603145.8, 4130359.0,      39.3,      39.3,       1.5);
     ( 603145.8, 4130379.0,      39.3,      39.3,       1.5);
( 603035.2, 4130307.2,      39.3,      39.3,       1.5);
     ( 603035.2, 4130327.2,      39.3,      39.3,       1.5);
( 603055.2, 4130307.2,      39.3,      39.3,       1.5);
     ( 603055.2, 4130327.2,      39.3,      39.3,       1.5);
( 603075.2, 4130287.2,      39.4,      39.4,       1.5);
     ( 603075.2, 4130307.2,      39.3,      39.3,       1.5);
( 603075.2, 4130327.2,      39.3,      39.3,       1.5);
     ( 603095.2, 4130287.2,      39.4,      39.4,       1.5);
( 603095.2, 4130307.2,      39.3,      39.3,       1.5);
     ( 603115.2, 4130287.2,      39.4,      39.4,       1.5);
( 603135.2, 4130287.2,      39.4,      39.4,       1.5);
     ( 603135.2, 4130307.2,      39.3,      39.3,       1.5);
( 603155.2, 4130287.2,      39.5,      39.5,       1.5);
     ( 603155.2, 4130307.2,      39.4,      39.4,       1.5);
( 603155.2, 4130327.2,      39.3,      39.3,       1.5);
     ( 603175.2, 4130287.2,      39.6,      39.6,       1.5);
( 603175.2, 4130307.2,      39.5,      39.5,       1.5);
     ( 603175.2, 4130327.2,      39.3,      39.3,       1.5);
( 603175.2, 4130347.2,      39.3,      39.3,       1.5);
     ( 602962.7, 4130491.5,      38.6,      38.6,       1.5);
( 602962.7, 4130511.5,      38.4,      38.4,       1.5);
     ( 602962.7, 4130531.5,      38.4,      38.4,       1.5);
( 602962.7, 4130551.5,      38.2,      38.2,       1.5);
     ( 602982.7, 4130511.5,      38.6,      38.6,       1.5);
( 602982.7, 4130531.5,      38.4,      38.4,       1.5);
     ( 602982.7, 4130551.5,      38.3,      38.3,       1.5);
( 602982.7, 4130571.5,      38.3,      38.3,       1.5);
     ( 603002.7, 4130531.5,      38.5,      38.5,       1.5);
( 603002.7, 4130551.5,      38.4,      38.4,       1.5);
     ( 603235.6, 4130440.5,      39.3,      39.3,       1.5);
( 603235.6, 4130460.5,      39.3,      39.3,       1.5);
     ( 603255.6, 4130320.5,      39.6,      39.6,       1.5);
( 603255.6, 4130340.5,      39.6,      39.6,       1.5);
     ( 603255.6, 4130420.5,      39.5,      39.5,       1.5);
( 603255.6, 4130440.5,      39.4,      39.4,       1.5);
     ( 603255.6, 4130460.5,      39.3,      39.3,       1.5);
( 603255.6, 4130480.5,      39.3,      39.3,       1.5);
     ( 603275.6, 4130320.5,      39.8,      39.8,       1.5);
( 603275.6, 4130340.5,      39.7,      39.7,       1.5);
     ( 603275.6, 4130360.5,      39.6,      39.6,       1.5);
( 603275.6, 4130380.5,      39.6,      39.6,       1.5);
     ( 603275.6, 4130400.5,      39.6,      39.6,       1.5);
( 603275.6, 4130420.5,      39.6,      39.6,       1.5);
     ( 603275.6, 4130440.5,      39.5,      39.5,       1.5);
( 603275.6, 4130460.5,      39.4,      39.4,       1.5);
     ( 603275.6, 4130480.5,      39.4,      39.4,       1.5);
```

```
( 603275.6, 4130500.5,      39.4,      39.4,       1.5);
```

*** MODELOPTs: RegDFAULT CONC ELEV FLGPOL URBAN ADJ_U*

*** DISCRETE CARTESIAN RECEPTORS ***

(X-COORD, Y-COORD, ZELEV, ZHILL, ZFLAG)

(METERS)

(603295.6, 4130340.5, 39.8, 39.8, 1.5);
(603295.6, 4130360.5, 39.6, 39.6, 1.5);
(603295.6, 4130380.5, 39.6, 39.6, 1.5);
(603295.6, 4130400.5, 39.6, 39.6, 1.5);
(603295.6, 4130420.5, 39.6, 39.6, 1.5);
(603295.6, 4130440.5, 39.6, 39.6, 1.5);
(603295.6, 4130460.5, 39.6, 39.6, 1.5);
(603295.6, 4130480.5, 39.6, 39.6, 1.5);
(603295.6, 4130500.5, 39.6, 39.6, 1.5);
(603295.6, 4130520.5, 39.6, 39.6, 1.5);
(603315.6, 4130360.5, 39.8, 39.8, 1.5);
(603315.6, 4130380.5, 39.8, 39.8, 1.5);
(603315.6, 4130400.5, 39.7, 39.7, 1.5);
(603315.6, 4130420.5, 39.6, 39.6, 1.5);
(603315.6, 4130440.5, 39.6, 39.6, 1.5);
(603315.6, 4130460.5, 39.6, 39.6, 1.5);
(603315.6, 4130480.5, 39.6, 39.6, 1.5);
(603315.6, 4130500.5, 39.6, 39.6, 1.5);
(603315.6, 4130520.5, 39.6, 39.6, 1.5);
(603335.6, 4130380.5, 39.9, 39.9, 1.5);
(603335.6, 4130420.5, 39.8, 39.8, 1.5);
(603335.6, 4130440.5, 39.8, 39.8, 1.5);
(603335.6, 4130460.5, 39.8, 39.8, 1.5);
(603335.6, 4130480.5, 39.8, 39.8, 1.5);
(603355.6, 4130440.5, 39.9, 39.9, 1.5);
(603355.6, 4130460.5, 39.9, 39.9, 1.5);
(603025.0, 4130593.3, 38.4, 38.4, 1.5);
(603025.0, 4130613.3, 38.2, 38.2, 1.5);
(603045.0, 4130613.3, 38.4, 38.4, 1.5);
(603045.0, 4130633.3, 38.3, 38.3, 1.5);
(603065.0, 4130613.3, 38.4, 38.4, 1.5);
(603065.0, 4130633.3, 38.4, 38.4, 1.5);
(603085.0, 4130633.3, 38.4, 38.4, 1.5);
(603085.0, 4130653.3, 38.4, 38.4, 1.5);
(603105.0, 4130653.3, 38.4, 38.4, 1.5);
(603125.0, 4130653.3, 38.5, 38.5, 1.5);
(603145.0, 4130633.3, 38.7, 38.7, 1.5);

```
( 603145.0, 4130653.3,      38.7,      38.7,       1.5);
     ( 603165.0, 4130613.3,      38.7,      38.7,       1.5);
( 603165.0, 4130633.3,      38.7,      38.7,       1.5);
     ( 603165.0, 4130653.3,      38.7,      38.7,       1.5);
( 603185.0, 4130593.3,      38.8,      38.8,       1.5);
     ( 603185.0, 4130613.3,      38.8,      38.8,       1.5);
( 603185.0, 4130633.3,      38.8,      38.8,       1.5);
     ( 603185.0, 4130653.3,      38.7,      38.7,       1.5);
( 603205.0, 4130593.3,      39.0,      39.0,       1.5);
     ( 603205.0, 4130613.3,      39.0,      39.0,       1.5);
( 603205.0, 4130633.3,      38.9,      38.9,       1.5);
     ( 603205.0, 4130653.3,      38.8,      38.8,       1.5);
( 603225.0, 4130613.3,      39.0,      39.0,       1.5);
     ( 603225.0, 4130633.3,      39.0,      39.0,       1.5);
( 603245.0, 4130633.3,      39.0,      39.0,       1.5);
     ( 602922.4, 4130406.4,      39.0,      39.0,       1.5);
( 602922.4, 4130426.4,      38.9,      38.9,       1.5);
     ( 602942.4, 4130386.4,      39.0,      39.0,       1.5);
( 602942.4, 4130406.4,      39.0,      39.0,       1.5);
     ( 602942.4, 4130426.4,      38.9,      38.9,       1.5);
( 602942.4, 4130446.4,      38.8,      38.8,       1.5);
     ( 602962.4, 4130386.4,      39.0,      39.0,       1.5);
( 602962.4, 4130406.4,      39.0,      39.0,       1.5);
     ( 602962.4, 4130426.4,      39.0,      39.0,       1.5);
( 602962.4, 4130446.4,      39.0,      39.0,       1.5);
     ( 602962.4, 4130466.4,      38.8,      38.8,       1.5);
( 602982.4, 4130406.4,      39.0,      39.0,       1.5);
     ( 602982.4, 4130426.4,      39.0,      39.0,       1.5);
( 602982.4, 4130446.4,      39.0,      39.0,       1.5);
     ( 602982.4, 4130466.4,      38.8,      38.8,       1.5);
( 602982.4, 4130486.4,      38.7,      38.7,       1.5);
     ( 603002.4, 4130426.4,      39.0,      39.0,       1.5);
( 603002.4, 4130446.4,      39.0,      39.0,       1.5);
     ( 603002.4, 4130466.4,      38.8,      38.8,       1.5);
( 603002.4, 4130486.4,      38.7,      38.7,       1.5);
     ( 603002.4, 4130506.4,      38.7,      38.7,       1.5);
( 603022.4, 4130446.4,      39.0,      39.0,       1.5);
     ( 603022.4, 4130466.4,      38.8,      38.8,       1.5);
( 603022.4, 4130486.4,      38.7,      38.7,       1.5);
     ( 603022.4, 4130506.4,      38.7,      38.7,       1.5);
( 603042.4, 4130466.4,      38.8,      38.8,       1.5);
     ( 603042.4, 4130486.4,      38.7,      38.7,       1.5);
( 603042.4, 4130506.4,      38.7,      38.7,       1.5);
     ( 603062.4, 4130466.4,      38.6,      38.6,       1.5);
( 603073.5, 4130393.0,      39.0,      39.0,       1.5);
     ( 603073.5, 4130413.0,      39.0,      39.0,       1.5);
( 603093.5, 4130393.0,      39.0,      39.0,       1.5);
     ( 603093.5, 4130413.0,      39.0,      39.0,       1.5);
( 603093.5, 4130433.0,      38.8,      38.8,       1.5);
     ( 603113.5, 4130393.0,      39.0,      39.0,       1.5);
( 603113.5, 4130413.0,      39.0,      39.0,       1.5);
     ( 603084.2, 4130509.8,      38.7,      38.7,       1.5);
```

```
( 603084.2, 4130529.8,      38.7,      38.7,       1.5);
```

*** MODELOPTs: RegDFAULT CONC ELEV FLGPOL URBAN ADJ_U*

*** DISCRETE CARTESIAN RECEPTORS ***

(X-COORD, Y-COORD, ZELEV, ZHILL, ZFLAG)

(METERS)

(603104.2, 4130509.8, 38.7, 38.7, 1.5);
(603104.2, 4130529.8, 38.7, 38.7, 1.5);
(603104.2, 4130549.8, 38.7, 38.7, 1.5);
(603124.2, 4130529.8, 38.7, 38.7, 1.5);
(603170.7, 4130474.7, 39.0, 39.0, 1.5);
(603170.7, 4130494.7, 39.0, 39.0, 1.5);
(603190.7, 4130474.7, 39.0, 39.0, 1.5);
(603190.7, 4130494.7, 39.0, 39.0, 1.5);
(603190.7, 4130514.7, 39.0, 39.0, 1.5);
(603210.7, 4130494.7, 39.1, 39.1, 1.5);
(603210.7, 4130514.7, 39.1, 39.1, 1.5);
(603210.7, 4130534.7, 39.1, 39.1, 1.5);
(603230.7, 4130494.7, 39.3, 39.3, 1.5);
(603230.7, 4130514.7, 39.3, 39.3, 1.5);
(603230.7, 4130534.7, 39.3, 39.3, 1.5);
(603230.7, 4130554.7, 39.3, 39.3, 1.5);
(603250.7, 4130514.7, 39.3, 39.3, 1.5);
(603250.7, 4130534.7, 39.3, 39.3, 1.5);
(603250.7, 4130554.7, 39.3, 39.3, 1.5);
(603270.7, 4130534.7, 39.4, 39.4, 1.5);
(603270.7, 4130554.7, 39.4, 39.4, 1.5);
(603290.7, 4130534.7, 39.6, 39.6, 1.5);
(603348.2, 4130591.2, 39.6, 39.6, 1.5);
(603348.2, 4130641.2, 39.2, 39.2, 1.5);
(603398.2, 4130541.2, 39.6, 39.6, 1.5);
(603398.2, 4130591.2, 39.4, 39.4, 1.5);
(603398.2, 4130641.2, 39.3, 39.3, 1.5);
(603448.2, 4130541.2, 39.6, 39.6, 1.5);
(603448.2, 4130591.2, 39.4, 39.4, 1.5);
(603448.2, 4130641.2, 39.3, 39.3, 1.5);
(603498.2, 4130591.2, 39.4, 39.4, 1.5);
(603498.2, 4130641.2, 39.3, 39.3, 1.5);
(603548.2, 4130641.2, 39.3, 39.3, 1.5);
(603206.1, 4130384.2, 39.3, 39.3, 1.5);
(603206.1, 4130404.2, 39.3, 39.3, 1.5);
(603206.1, 4130424.2, 39.3, 39.3, 1.5);
(603206.1, 4130444.2, 39.3, 39.3, 1.5);

```
( 603226.1, 4130384.2,      39.3,      39.3,       1.5);
     ( 603226.1, 4130404.2,      39.3,      39.3,       1.5);
( 603226.1, 4130424.2,      39.3,      39.3,       1.5);
     ( 603246.1, 4130384.2,      39.5,      39.5,       1.5);
( 603246.1, 4130404.2,      39.4,      39.4,       1.5);
     ( 603096.0, 4130606.1,      38.5,      38.5,       1.5);
( 603096.0, 4130626.1,      38.4,      38.4,       1.5);
     ( 603116.0, 4130606.1,      38.6,      38.6,       1.5);
( 603116.0, 4130626.1,      38.4,      38.4,       1.5);
     ( 603116.0, 4130646.1,      38.4,      38.4,       1.5);
( 603136.0, 4130606.1,      38.7,      38.7,       1.5);
     ( 603136.0, 4130626.1,      38.6,      38.6,       1.5);
( 603094.8, 4130604.9,      38.5,      38.5,       0.0);
     ( 603094.8, 4130624.9,      38.4,      38.4,       0.0);
( 603114.8, 4130604.9,      38.6,      38.6,       0.0);
     ( 603114.8, 4130624.9,      38.4,      38.4,       0.0);
( 603114.8, 4130644.9,      38.4,      38.4,       0.0);
     ( 603134.8, 4130584.9,      38.7,      38.7,       0.0);
( 603134.8, 4130604.9,      38.7,      38.7,       0.0);
     ( 603154.8, 4130584.9,      38.8,      38.8,       0.0);
( 602703.6, 4130052.6,      40.9,      40.9,       1.5);
```

*** MODELOPTs: RegDFAULT CONC ELEV FLGPOL URBAN ADJ_U*

*** METEOROLOGICAL DAYS SELECTED FOR PROCESSING *** (1=YES; 0=NO)

```
            1 1 1 1 1 1 1 1 1 1   1 1 1 1 1 1 1 1 1 1   1 1 1 1 1
1 1 1 1 1   1 1 1 1 1 1 1 1 1 1   1 1 1 1 1 1 1 1 1 1
            1 1 1 1 1 1 1 1 1 1   1 1 1 1 1 1 1 1 1 1   1 1 1 1 1
1 1 1 1 1   1 1 1 1 1 1 1 1 1 1   1 1 1 1 1 1 1 1 1 1
            1 1 1 1 1 1 1 1 1 1   1 1 1 1 1 1 1 1 1 1   1 1 1 1 1
1 1 1 1 1   1 1 1 1 1 1 1 1 1 1   1 1 1 1 1 1 1 1 1 1
            1 1 1 1 1 1 1 1 1 1   1 1 1 1 1 1 1 1 1 1   1 1 1 1 1
1 1 1 1 1   1 1 1 1 1 1 1 1 1 1   1 1 1 1 1 1 1 1 1 1
            1 1 1 1 1 1 1 1 1 1   1 1 1 1 1 1 1 1 1 1   1 1 1 1 1
1 1 1 1 1   1 1 1 1 1 1 1 1 1 1   1 1 1 1 1 1 1 1 1 1
            1 1 1 1 1 1 1 1 1 1   1 1 1 1 1 1 1 1 1 1   1 1 1 1 1
1 1 1 1 1   1 1 1 1 1 1 1 1 1 1   1 1 1 1 1 1 1 1 1 1
            1 1 1 1 1 1 1 1 1 1   1 1 1 1 1 1 1 1 1 1   1 1 1 1 1
1 1 1 1 1   1 1 1 1 1 1 1 1 1 1   1 1 1 1 1 1 1 1 1 1
            1 1 1 1 1 1 1 1 1 1   1 1 1 1 1
```

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

*** UPPER BOUND OF FIRST THROUGH FIFTH WIND SPEED CATEGORIES ***

(METERS/SEC)

1.54, 3.09, 5.14, 8.23, 10.80,

*** MODELOPTs: RegDFAULT CONC ELEV FLGPOL URBAN ADJ_U*

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

Surface file: San Jose Intl Airport (KSJC)\KSJC_2017.SFC Met Version: 18081
Profile file: San Jose Intl Airport (KSJC)\KSJC_2017.PFL
Surface format: FREE
Profile format: FREE
Surface station no.: 23293 Upper air station no.: 23230
Name: SAN_JOSE_AIRPORT Name: OAKLAND/WSO_AP
Year: 2017 Year: 2017

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
17	01	01	1	01	-22.4	0.219	-9.000	-9.000	-999.	246.	52.9	0.02	0.68	1.00	3.36	121.	7.9	277.5	2.0
17	01	01	1	02	-12.5	0.138	-9.000	-9.000	-999.	125.	21.0	0.02	0.68	1.00	2.17	180.	7.9	278.1	2.0
17	01	01	1	03	-16.7	0.164	-9.000	-9.000	-999.	160.	29.6	0.02	0.68	1.00	2.55	137.	7.9	278.8	2.0
17	01	01	1	04	-17.5	0.172	-9.000	-9.000	-999.	172.	32.7	0.02	0.68	1.00	2.67	125.	7.9	279.2	2.0
17	01	01	1	05	-21.8	0.215	-9.000	-9.000	-999.	239.	50.6	0.02	0.68	1.00	3.29	122.	7.9	279.2	2.0
17	01	01	1	06	-15.2	0.153	-9.000	-9.000	-999.	145.	25.8	0.02	0.68	1.00	2.39	154.	7.9	279.9	2.0
17	01	01	1	07	-18.9	0.187	-9.000	-9.000	-999.	194.	38.3	0.02	0.68	1.00	2.88	124.	7.9	279.9	2.0
17	01	01	1	08	-17.7	0.175	-9.000	-9.000	-999.	176.	33.7	0.02	0.68	0.74	2.71	132.	7.9	279.9	2.0
17	01	01	1	09	5.8	0.168	0.369	0.005	314.	166.	-74.7	0.02	0.68	0.39	2.32	134.	7.9	280.9	2.0
17	01	01	1	10	35.9	0.138	0.923	0.018	792.	123.	-6.6	0.02	0.68	0.27	1.59	138.	7.9	282.0	2.0
17	01	01	1	11	59.1	0.123	1.168	0.019	974.	104.	-2.9	0.02	0.68	0.23	1.28	129.	7.9	284.2	2.0
17	01	01	1	12	72.0	0.252	1.293	0.020	1085.	304.	-20.1	0.02	0.68	0.21	3.34	280.	7.9	284.9	2.0

```
 17 01 01   1 13   87.9  0.389  1.384  0.019 1089.  582.    -60.3
0.05   0.68   0.21    4.65  263.    7.9  285.9    2.0
 17 01 01   1 14   65.5  0.353  1.256  0.019 1091.  504.    -60.5
0.05   0.68   0.22    4.22  270.    7.9  285.9    2.0
 17 01 01   1 15   46.1  0.403  1.118  0.018 1093.  613.   -128.0
0.05   0.68   0.25    4.97  244.    7.9  285.4    2.0
 17 01 01   1 16   18.2  0.370  0.820  0.018 1094.  542.   -252.7
0.02   0.68   0.33    5.44  281.    7.9  285.4    2.0
 17 01 01   1 17  -32.0  0.420 -9.000 -9.000 -999.  653.    209.2
0.02   0.68   0.57    6.43  279.    7.9  283.1    2.0
 17 01 01   1 18  -28.9  0.288 -9.000 -9.000 -999.  382.     91.1
0.05   0.68   1.00    3.85  243.    7.9  282.0    2.0
 17 01 01   1 19  -18.6  0.185 -9.000 -9.000 -999.  197.     37.6
0.05   0.68   1.00    2.52  246.    7.9  282.0    2.0
 17 01 01   1 20  -13.3  0.147 -9.000 -9.000 -999.  135.     23.7
0.05   0.68   1.00    2.03  225.    7.9  280.9    2.0
 17 01 01   1 21   -7.4  0.105 -9.000 -9.000 -999.   82.     14.3
0.02   0.68   1.00    1.69  116.    7.9  282.0    2.0
 17 01 01   1 22  -10.4  0.130 -9.000 -9.000 -999.  112.     19.0
0.05   0.68   1.00    1.76   94.    7.9  281.4    2.0
 17 01 01   1 23  -14.5  0.149 -9.000 -9.000 -999.  138.     24.5
0.02   0.68   1.00    2.33  133.    7.9  280.9    2.0
 17 01 01   1 24  -21.8  0.215 -9.000 -9.000 -999.  240.     51.0
0.02   0.68   1.00    3.30  114.    7.9  280.4    2.0


 First hour of profile data
 YR MO DY HR HEIGHT F  WDIR    WSPD AMB_TMP sigmaA  sigmaW
sigmaV
 17 01 01 01    7.9 1  121.    3.36   277.6
99.0  -99.00  -99.00

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

*** MODELOPTs: RegDFAULT CONC ELEV FLGPOL URBAN ADJ_U*

*** THE ANNUAL AVERAGE CONCENTRATION VALUES AVERAGED OVER 1 YEARS FOR SOURCE GROUP: ALL ***
INCLUDING SOURCE(S):
SPILL ,

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

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

X-COORD (M)	Y-COORD (M)	CONC	X-COORD (M)	Y-COORD (M)	CONC
602766.91	4130103.30	1.60768	602766.91	4130153.30	1.81674
602816.91	4130053.30	1.57851	602816.91	4130103.30	1.79735
602816.91	4130153.30	2.06489	602816.91	4130203.30	2.38204
602866.91	4130003.30	1.52667	602866.91	4130053.30	1.75209
602866.91	4130103.30	2.02164	602866.91	4130153.30	2.35511
602866.91	4130203.30	2.77533	602866.91	4130253.30	3.29043
602916.91	4129953.30	1.43666	602916.91	4130003.30	1.65330
602916.91	4130053.30	1.92567	602916.91	4130103.30	2.26914
602916.91	4130153.30	2.69957	602916.91	4130203.30	3.24896
602916.91	4130253.30	3.97243	602966.91	4129953.30	1.53403
602966.91	4130003.30	1.78422	602966.91	4130053.30	2.10224
602966.91	4130103.30	2.51695	602966.91	4130153.30	3.07123
602966.91	4130203.30	3.81706	602966.91	4130253.30	4.83559
602966.91	4130303.30	6.27166	603016.91	4129953.30	1.61256
603016.91	4130003.30	1.89659			

603016.91 4130053.30 2.26694
603016.91 4130103.30 2.76183
603016.91 4130153.30 3.44378
603016.91 4130203.30 4.41649
603016.91 4130253.30 5.86945
603016.91 4130303.30 8.11125
603066.91 4129953.30 1.68923
603066.91 4130003.30 1.99655
603066.91 4130053.30 2.40571
603066.91 4130103.30 2.96778
603066.91 4130153.30 3.77198
603066.91 4130203.30 4.98375
603066.91 4130253.30 6.91271
603116.91 4129953.30 1.77743
603116.91 4130003.30 2.11062
603116.91 4130053.30 2.55805
603116.91 4130103.30 3.18004
603116.91 4130153.30 4.08556
603116.91 4130203.30 5.48062
603116.91 4130253.30 7.82485
603166.91 4129953.30 1.86288
603166.91 4130003.30 2.22754
603166.91 4130053.30 2.72466
603166.91 4130103.30 3.42972
603166.91 4130153.30 4.48363
603166.91 4130203.30 6.17483
603216.91 4129953.30 2.01896
603216.91 4130003.30 2.45633
603216.91 4130053.30 3.06792
603216.91 4130103.30 3.96967
603216.91 4130153.30 5.39521
603216.91 4130203.30 7.87113
603216.91 4130253.30 12.76770
603266.91 4129953.30 2.27558
603266.91 4130003.30 2.82341
603266.91 4130053.30 3.62582
603266.91 4130103.30 4.86911
603266.91 4130153.30 6.93078
603266.91 4130203.30 10.51315
603316.91 4129953.30 2.63358
603316.91 4130003.30 3.35857
603316.91 4130053.30 4.43054
603316.91 4130103.30 6.04442
603316.91 4130153.30 8.50815
603366.91 4129953.30 3.11192
603366.91 4130003.30 3.98625
603366.91 4130053.30 5.20163
603366.91 4130103.30 6.88902
603416.91 4129953.30 3.55096
603416.91 4130003.30 4.45823
603466.91 4129953.30 3.83142

*** MODELOPTs: RegDFAULT CONC ELEV FLGPOL URBAN ADJ_U*

*** THE ANNUAL AVERAGE CONCENTRATION VALUES AVERAGED OVER 1 YEARS FOR SOURCE GROUP: ALL ***
INCLUDING SOURCE(S):
SPILL ,

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

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

X-COORD (M)	Y-COORD (M)	CONC	X-COORD (M)	Y-COORD (M)	CONC
603308.27	4130247.67	17.41759	603308.27	4130297.67	27.33598
603358.27	4130197.67	12.18949	603358.27	4130247.67	17.25463
603358.27	4130297.67	25.03925	603358.27	4130347.67	34.50838
603358.27	4130397.67	31.36133	603408.27	4130097.67	6.96521
603408.27	4130147.67	9.03731	603408.27	4130197.67	11.99404
603408.27	4130247.67	16.16556	603408.27	4130297.67	21.80773
603408.27	4130347.67	25.00421	603408.27	4130397.67	19.08311
603408.27	4130447.67	12.18729	603458.27	4130047.67	5.60889
603458.27	4130097.67	6.99663	603458.27	4130147.67	8.87269
603458.27	4130197.67	11.36843	603458.27	4130247.67	14.71905
603458.27	4130297.67	18.17523	603458.27	4130347.67	17.59937
603458.27	4130397.67	12.57581	603458.27	4130447.67	8.75462
603458.27	4130497.67	7.11316	603508.27	4129997.67	4.61615
603508.27	4130047.67	5.59326	603508.27	4130097.67	6.86487
603508.27	4130147.67	8.48183			

603508.27 4130197.67 10.56538
603508.27 4130247.67 13.12234
603508.27 4130297.67 14.52068
603508.27 4130347.67 12.47865
603508.27 4130397.67 8.90705
603508.27 4130447.67 6.64495
603508.27 4130497.67 5.60136
603508.27 4130547.67 4.77611
603558.27 4129997.67 4.58559
603558.27 4130047.67 5.49226
603558.27 4130097.67 6.59890
603558.27 4130147.67 7.97079
603558.27 4130197.67 9.73917
603558.27 4130247.67 11.37821
603558.27 4130297.67 11.30649
603558.27 4130347.67 9.09050
603558.27 4130397.67 6.66523
603558.27 4130447.67 5.24482
603558.27 4130497.67 4.54399
603558.27 4130547.67 3.93355
603558.27 4130597.67 3.49151
603608.27 4129997.67 4.50836
603608.27 4130047.67 5.30318
603608.27 4130097.67 6.25277
603608.27 4130147.67 7.46907
603608.27 4130197.67 8.84428
603608.27 4130247.67 9.58573
603608.27 4130297.67 8.75363
603608.27 4130347.67 6.84817
603608.27 4130397.67 5.20031
603608.27 4130447.67 4.26836
603608.27 4130497.67 3.77129
603608.27 4130547.67 3.30720
603608.27 4130597.67 2.96101
603658.27 4129997.67 4.36744
603658.27 4130047.67 5.05398
603658.27 4130097.67 5.90861
603658.27 4130147.67 6.95911
603658.27 4130197.67 7.87233
603658.27 4130247.67 7.92255
603658.27 4130297.67 6.81969
603658.27 4130347.67 5.33724
603658.27 4130397.67 4.19003
603658.27 4130447.67 3.55244
603658.27 4130497.67 3.18969
603658.27 4130547.67 2.82562
603658.27 4130597.67 2.54604
602640.57 4130170.66 1.38907
602640.57 4130220.66 1.53878
602640.57 4130270.66 1.73605
602640.57 4130320.66 1.99356

*** MODELOPTs: RegDFAULT CONC ELEV FLGPOL URBAN ADJ_U*

*** THE ANNUAL AVERAGE CONCENTRATION VALUES AVERAGED OVER 1 YEARS FOR SOURCE GROUP: ALL ***
INCLUDING SOURCE(S):
SPILL ,

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

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

X-COORD (M)	Y-COORD (M)	CONC	X-COORD (M)	Y-COORD (M)	CONC
602640.57	4130370.66	2.26141	602640.57	4130420.66	2.49647
602640.57	4130470.66	2.78484	602640.57	4130520.66	3.23057
602640.57	4130570.66	3.81691	602640.57	4130620.66	4.76813
602640.57	4130670.66	6.02717	602640.57	4130720.66	6.72100
602640.57	4130770.66	6.60302	602640.57	4130820.66	6.15021
602640.57	4130870.66	5.62385	602640.57	4130920.66	4.99720
602690.57	4130220.66	1.74242	602690.57	4130270.66	1.97130
602690.57	4130320.66	2.28548	602690.57	4130370.66	2.64408
602690.57	4130420.66	2.96824	602690.57	4130470.66	3.35436
602690.57	4130520.66	3.95806	602690.57	4130570.66	4.80566
602690.57	4130620.66	6.26022	602690.57	4130670.66	7.73131
602690.57	4130720.66	8.06542	602690.57	4130770.66	7.57825
602690.57	4130820.66	6.88779	602690.57	4130870.66	6.06483
602690.57	4130920.66	5.11532	602740.57	4130220.66	1.99476
602740.57	4130270.66	2.27138			

602740.57 4130320.66 2.65063
602740.57 4130370.66 3.13580
602740.57 4130420.66 3.59782
602740.57 4130470.66 4.13341
602740.57 4130520.66 4.98328
602740.57 4130570.66 6.30644
602740.57 4130620.66 8.48185
602740.57 4130670.66 9.86209
602740.57 4130720.66 9.57476
602740.57 4130770.66 8.66604
602740.57 4130820.66 7.54786
602740.57 4130870.66 6.25353
602790.57 4130270.66 2.65838
602790.57 4130320.66 3.12495
602790.57 4130370.66 3.78021
602790.57 4130420.66 4.46618
602790.57 4130470.66 5.24404
602790.57 4130520.66 6.50833
602790.57 4130570.66 8.74235
602790.57 4130620.66 11.72967
602790.57 4130670.66 12.40107
602790.57 4130720.66 11.28473
602790.57 4130770.66 9.70293
602790.57 4130820.66 7.85917
602840.57 4130320.66 3.76697
602840.57 4130370.66 4.65368
602840.57 4130420.66 5.71418
602840.57 4130470.66 6.91367
602840.57 4130520.66 8.95431
602840.57 4130570.66 12.94228
602840.57 4130620.66 16.23513
602840.57 4130670.66 15.35993
602840.57 4130720.66 13.02451
602840.57 4130770.66 10.24225
602890.57 4130370.66 5.89491
602890.57 4130420.66 7.60473
602890.57 4130470.66 9.61118
602890.57 4130520.66 13.32195
602890.57 4130570.66 20.38485
602890.57 4130620.66 22.05728
602890.57 4130670.66 18.57635
602940.57 4130520.66 22.48973
602940.57 4130570.66 33.06058
602940.57 4130620.66 28.97431
602754.62 4130958.49 4.36177
602804.62 4130858.49 6.53285
602804.62 4130908.49 5.28091
602804.62 4130958.49 4.44683
602854.62 4130808.49 8.30673
602854.62 4130858.49 6.55512
602854.62 4130908.49 5.39734

*** MODELOPTs: RegDFAULT CONC ELEV FLGPOL URBAN ADJ_U*

*** THE ANNUAL AVERAGE CONCENTRATION VALUES AVERAGED OVER 1 YEARS FOR SOURCE GROUP: ALL ***
INCLUDING SOURCE(S):
SPILL ,

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

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

X-COORD (M)	Y-COORD (M)	CONC	X-COORD (M)	Y-COORD (M)	CONC
602854.62	4130958.49	4.50535	602904.62	4130758.49	11.00202
602904.62	4130808.49	8.39201	602904.62	4130858.49	6.67401
602904.62	4130908.49	5.36360	602904.62	4130958.49	4.33480
602954.62	4130708.49	15.42363	602954.62	4130758.49	11.15382
602954.62	4130808.49	8.38938	602954.62	4130858.49	6.40213
602954.62	4130908.49	4.98129	602954.62	4130958.49	3.97860
603004.62	4130658.49	23.47415	603004.62	4130708.49	15.44954
603004.62	4130758.49	10.65932	603004.62	4130808.49	7.67664
603004.62	4130858.49	5.80762	603004.62	4130908.49	4.59295
603004.62	4130958.49	3.75910	603054.62	4130658.49	22.21976
603054.62	4130708.49	13.83061	603054.62	4130758.49	9.55252
603054.62	4130808.49	7.08991	603054.62	4130858.49	5.51591
603054.62	4130908.49	4.43356	603054.62	4130958.49	3.65070
603104.62	4130708.49	12.57835	603104.62	4130758.49	8.90057
603104.62	4130808.49	6.66757			

603104.62 4130858.49 5.20706
603104.62 4130908.49 4.19399
603104.62 4130958.49 3.46143
603154.62 4130708.49 11.11157
603154.62 4130758.49 8.06842
603154.62 4130808.49 6.16004
603154.62 4130858.49 4.87567
603154.62 4130908.49 3.96981
603154.62 4130958.49 3.30370
603204.62 4130708.49 8.42715
603204.62 4130758.49 6.48153
603204.62 4130808.49 5.17699
603204.62 4130858.49 4.24527
603204.62 4130908.49 3.54876
603204.62 4130958.49 3.01396
603254.62 4130658.49 9.78797
603254.62 4130708.49 7.02293
603254.62 4130758.49 5.28738
603254.62 4130808.49 4.19820
603254.62 4130858.49 3.47417
603254.62 4130908.49 2.95523
603254.62 4130958.49 2.56077
603304.62 4130758.49 4.81417
603304.62 4130908.49 2.58616
603304.62 4130958.49 2.21695
603354.62 4130908.49 2.44286
603354.62 4130958.49 2.07027
603005.81 4130339.02 9.75643
603005.81 4130359.02 11.27617
603025.81 4130359.02 13.10608
603025.81 4130379.02 15.55419
603045.81 4130359.02 15.30659
603045.81 4130379.02 18.67542
603065.81 4130359.02 17.85895
603065.81 4130379.02 22.57437
603085.81 4130359.02 20.58425
603105.81 4130339.02 17.66821
603105.81 4130359.02 23.14580
603105.81 4130379.02 31.81633
603125.81 4130339.02 19.14715
603125.81 4130359.02 25.51243
603125.81 4130379.02 36.02481
603145.81 4130359.02 28.99080
603145.81 4130379.02 42.43350
603035.25 4130307.16 9.16410
603035.25 4130327.16 10.72524
603055.25 4130307.16 10.10706
603055.25 4130327.16 12.05322
603075.25 4130287.16 9.23961
603075.25 4130307.16 11.03463
603075.25 4130327.16 13.40589

*** MODELOPTs: RegDFAULT CONC ELEV FLGPOL URBAN ADJ_U*

*** THE ANNUAL AVERAGE CONCENTRATION VALUES AVERAGED OVER 1 YEARS FOR SOURCE GROUP: ALL ***
INCLUDING SOURCE(S):
SPILL ,

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

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

X-COORD (M)	Y-COORD (M)	CONC	X-COORD (M)	Y-COORD (M)	CONC
603095.25	4130287.16	9.84781	603095.25	4130307.16	11.89826
603115.25	4130287.16	10.42459	603135.25	4130287.16	11.04005
603135.25	4130307.16	13.55866	603155.25	4130287.16	11.98487
603155.25	4130307.16	14.95172	603155.25	4130327.16	19.28016
603175.25	4130287.16	13.61714	603175.25	4130307.16	17.42383
603175.25	4130327.16	23.25867	603175.25	4130347.16	32.77228
602962.66	4130491.49	21.38741	602962.66	4130511.49	26.74612
602962.66	4130531.49	34.08728	602962.66	4130551.49	39.71294
602982.66	4130511.49	35.69187	602982.66	4130531.49	45.58513
602982.66	4130551.49	50.38935	602982.66	4130571.49	48.50749
603002.66	4130531.49	62.05807	603002.66	4130551.49	63.47887
603235.59	4130440.48	127.27278	603235.59	4130460.48	82.80981
603255.59	4130320.48	35.61388	603255.59	4130340.48	46.28842
603255.59	4130420.48	104.26905	603255.59	4130440.48	83.30570
603255.59	4130460.48	56.47852			

603255.59 4130480.48 41.95503
603275.59 4130320.48 35.66306
603275.59 4130340.48 45.13382
603275.59 4130360.48 57.31471
603275.59 4130380.48 71.08865
603275.59 4130400.48 80.34033
603275.59 4130420.48 75.44829
603275.59 4130440.48 57.74084
603275.59 4130460.48 41.11131
603275.59 4130480.48 32.18574
603275.59 4130500.48 26.99413
603295.59 4130340.48 42.97797
603295.59 4130360.48 52.60253
603295.59 4130380.48 61.29664
603295.59 4130400.48 63.55874
603295.59 4130420.48 55.57718
603295.59 4130440.48 42.08400
603295.59 4130460.48 31.37095
603295.59 4130480.48 25.54227
603295.59 4130500.48 21.90196
603295.59 4130520.48 19.02984
603315.59 4130360.48 47.25744
603315.59 4130380.48 51.70810
603315.59 4130400.48 50.00718
603315.59 4130420.48 41.92668
603315.59 4130440.48 32.03428
603315.59 4130460.48 24.86018
603315.59 4130480.48 20.84447
603315.59 4130500.48 18.18582
603315.59 4130520.48 16.03278
603335.59 4130380.48 43.08091
603335.59 4130420.48 32.40559
603335.59 4130440.48 25.19697
603335.59 4130460.48 20.22930
603335.59 4130480.48 17.35649
603355.59 4130440.48 20.36611
603355.59 4130460.48 16.82057
603025.04 4130593.30 49.16802
603025.04 4130613.30 38.10539
603045.04 4130613.30 38.13309
603045.04 4130633.30 30.01112
603065.04 4130613.30 37.11898
603065.04 4130633.30 28.66995
603085.04 4130633.30 26.76460
603085.04 4130653.30 21.38152
603105.04 4130653.30 20.38143
603125.04 4130653.30 19.33876
603145.04 4130633.30 21.98779
603145.04 4130653.30 18.02939
603165.04 4130613.30 23.48110
603165.04 4130633.30 19.25682

*** MODELOPTs: RegDFAULT CONC ELEV FLGPOL URBAN ADJ_U*

*** THE ANNUAL AVERAGE CONCENTRATION VALUES AVERAGED OVER 1 YEARS FOR SOURCE GROUP: ALL ***
INCLUDING SOURCE(S):
SPILL ,

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

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

X-COORD (M)	Y-COORD (M)	CONC	X-COORD (M)	Y-COORD (M)	CONC
603165.04	4130653.30	16.11073	603185.04	4130593.30	24.33871
603185.04	4130613.30	19.62100	603185.04	4130633.30	16.30330
603185.04	4130653.30	13.85188	603205.04	4130593.30	21.56108
603205.04	4130613.30	17.39386	603205.04	4130633.30	14.38116
603205.04	4130653.30	12.17658	603225.04	4130613.30	15.88556
603225.04	4130633.30	13.26563	603245.04	4130633.30	12.23755
602922.39	4130406.41	8.63268	602922.39	4130426.41	9.66880
602942.39	4130386.41	8.67334	602942.39	4130406.41	9.87345
602942.39	4130426.41	11.21162	602942.39	4130446.41	12.62127
602962.39	4130386.41	9.91678	602962.39	4130406.41	11.41446
602962.39	4130426.41	13.16812	602962.39	4130446.41	15.05392
602962.39	4130466.41	17.28948	602982.39	4130406.41	13.36967
602982.39	4130426.41	15.71200	602982.39	4130446.41	18.33341
602982.39	4130466.41	21.45775	602982.39	4130486.41	25.84342
603002.39	4130426.41	19.10030			

603002.39 4130446.41 22.87773
603002.39 4130466.41 27.45015
603002.39 4130486.41 34.16258
603002.39 4130506.41 45.92341
603022.39 4130446.41 29.44903
603022.39 4130466.41 36.55092
603022.39 4130486.41 47.69252
603022.39 4130506.41 67.63965
603042.39 4130466.41 51.49192
603042.39 4130486.41 72.07091
603042.39 4130506.41 106.30543
603062.39 4130466.41 78.76596
603073.49 4130393.01 29.35930
603073.49 4130413.01 39.44378
603093.49 4130393.01 36.55100
603093.49 4130413.01 53.28363
603093.49 4130433.01 82.57710
603113.49 4130393.01 43.96811
603113.49 4130413.01 70.34369
603084.25 4130509.77 289.63586
603084.25 4130529.77 178.19531
603104.25 4130509.77 368.74974
603104.25 4130529.77 177.82772
603104.25 4130549.77 101.28873
603124.25 4130529.77 154.53241
603170.74 4130474.71 372.03763
603170.74 4130494.71 188.34488
603190.74 4130474.71 178.32774
603190.74 4130494.71 111.19009
603190.74 4130514.71 76.01752
603210.74 4130494.71 73.02911
603210.74 4130514.71 54.34348
603210.74 4130534.71 41.57269
603230.74 4130494.71 51.57533
603230.74 4130514.71 40.67890
603230.74 4130534.71 32.54931
603230.74 4130554.71 26.51960
603250.74 4130514.71 31.65280
603250.74 4130534.71 26.22362
603250.74 4130554.71 21.92501
603270.74 4130534.71 21.56945
603270.74 4130554.71 18.43173
603290.74 4130534.71 18.02509
603348.17 4130591.19 8.80791
603348.17 4130641.19 6.96402
603398.17 4130541.19 8.28826
603398.17 4130591.19 6.84285
603398.17 4130641.19 5.59443
603448.17 4130541.19 6.37686
603448.17 4130591.19 5.44485
603448.17 4130641.19 4.61438

*** MODELOPTs: RegDFAULT CONC ELEV FLGPOL URBAN ADJ_U*

*** THE ANNUAL AVERAGE CONCENTRATION VALUES AVERAGED OVER 1 YEARS FOR SOURCE GROUP: ALL ***
INCLUDING SOURCE(S):
SPILL ,

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

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

X-COORD (M)	Y-COORD (M)	CONC	X-COORD (M)	Y-COORD (M)	CONC
603498.17	4130591.19	4.42695	603498.17	4130641.19	3.86908
603548.17	4130641.19	3.28143	603206.05	4130384.23	97.25234
603206.05	4130404.23	153.86480	603206.05	4130424.23	233.82119
603206.05	4130444.23	255.70239	603226.05	4130384.23	95.95624
603226.05	4130404.23	136.72996	603226.05	4130424.23	171.20523
603246.05	4130384.23	88.71359	603246.05	4130404.23	113.62353
603096.01	4130606.06	36.78900	603096.01	4130626.06	28.23124
603116.01	4130606.06	34.30255	603116.01	4130626.06	26.64299
603116.01	4130646.06	21.34995	603136.01	4130606.06	31.63936
603136.01	4130626.06	24.82149	603094.75	4130604.93	37.84000
603094.75	4130624.93	28.89394	603114.75	4130604.93	35.27992
603114.75	4130624.93	27.25921	603114.75	4130644.93	21.78172
603134.75	4130584.93	43.50668	603134.75	4130604.93	32.60639
603154.75	4130584.93	36.95226	602703.60	4130052.56	1.25912

*** MODELOPTs: RegDFAULT CONC ELEV FLGPOL URBAN ADJ_U*

*** THE 1ST HIGHEST 1-HR AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: ALL ***
INCLUDING SOURCE(S):
SPILL ,

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

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

X-COORD (M)	Y-COORD (M)	CONC	(YYMMDDHH)
602766.91	4130103.30	93.71150	(17021004)
602766.91	4130153.30	110.55576	(17112019)
602816.91	4130053.30	84.35437	(17051423)
602816.91	4130103.30	90.63704	(17032823)
602816.91	4130153.30	114.92219	(17021004)
602816.91	4130203.30	138.69823	(17112019)
602866.91	4130003.30	93.53592	(17010906)
602866.91	4130053.30	96.27575	(17022701)
602866.91	4130103.30	102.45435	(17080305)
602866.91	4130153.30	111.64934	(17051423)
602866.91	4130203.30	146.07593	(17021004)
602866.91	4130253.30	177.80701	(17112019)
602916.91	4129953.30	89.45056	(17121923)
602916.91	4130003.30	92.45808	(17081402)
602916.91	4130053.30	104.49978	(17010906)
602916.91	4130103.30	128.55530	(17010906)
602916.91	4130153.30	136.23513	(17080305)
602916.91	4130203.30	150.75957	(17051423)
602916.91	4130253.30	195.13197	(17021004)
602966.91	4129953.30	97.26401	(17010624)
602966.91	4130003.30	109.60132	(17121923)
602966.91	4130053.30	126.81399	(17121923)
602966.91	4130103.30	131.34145	(17081402)
602966.91	4130153.30	157.07122	(17010906)
602966.91	4130203.30	187.81361	(17010906)
602966.91	4130253.30	210.91185	(17051423)
602966.91	4130303.30	281.54196	(17021004)
603016.91	4129953.30	87.50492	(17091721)

603016.91 4130003.30 101.72563 (17091721)
603016.91 4130053.30 125.46832 (17010624)
603016.91 4130103.30 156.98379 (17010624)
603016.91 4130153.30 190.19244 (17121923)
603016.91 4130203.30 215.98592 (17121923)
603016.91 4130253.30 272.67243 (17010906)
603016.91 4130303.30 327.79761 (17080305)
603066.91 4129953.30 100.27510 (17111122)
603066.91 4130003.30 110.75475 (17111122)
603066.91 4130053.30 121.12501 (17111122)
603066.91 4130103.30 146.51183 (17122623)
603066.91 4130153.30 176.52050 (17122623)
603066.91 4130203.30 222.91999 (17091721)
603066.91 4130253.30 327.66675 (17010624)
603116.91 4129953.30 99.02921 (17121217)
603116.91 4130003.30 115.68725 (17121217)
603116.91 4130053.30 137.31075 (17121217)
603116.91 4130103.30 166.12349 (17121217)
603116.91 4130153.30 205.84026 (17121217)
603116.91 4130203.30 262.71733 (17121217)
603116.91 4130253.30 348.70851 (17121217)
603166.91 4129953.30 93.17282 (17080323)
603166.91 4130003.30 106.64065 (17080323)
603166.91 4130053.30 127.79579 (17111618)
603166.91 4130103.30 162.18925 (17111324)
603166.91 4130153.30 229.09305 (17111324)
603166.91 4130203.30 331.63218 (17111324)
603216.91 4129953.30 149.83768 (17122518)
603216.91 4130003.30 182.87928 (17122518)
603216.91 4130053.30 217.53620 (17122518)
603216.91 4130103.30 249.02204 (17112220)
603216.91 4130153.30 302.43891 (17112021)
603216.91 4130203.30 370.73268 (17122517)
603216.91 4130253.30 467.56879 (17121318)
603266.91 4129953.30 154.02717 (17112021)
603266.91 4130003.30 175.01464 (17122517)
603266.91 4130053.30 198.50062 (17122120)
603266.91 4130103.30 220.17598 (17080405)
603266.91 4130153.30 291.71121 (17121318)
603266.91 4130203.30 318.08642 (17122317)
603316.91 4129953.30 138.30143 (17080405)
603316.91 4130003.30 163.22437 (17121318)
603316.91 4130053.30 197.55904 (17121318)
603316.91 4130103.30 201.78957 (17122317)
603316.91 4130153.30 266.07411 (17122317)
603366.91 4129953.30 142.67895 (17121318)
603366.91 4130003.30 142.50022 (17122317)
603366.91 4130053.30 186.20976 (17122317)
603366.91 4130103.30 210.89566 (17112401)
603416.91 4129953.30 138.69519 (17122317)
603416.91 4130003.30 147.88937 (17011119)
603466.91 4129953.30 131.64648 (17112401)

*** MODELOPTs: RegDFAULT CONC ELEV FLGPOL URBAN ADJ_U*

*** THE 1ST HIGHEST 1-HR AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: ALL ***
INCLUDING SOURCE(S):
SPILL ,

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

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

X-COORD (M)	Y-COORD (M)	CONC	(YYMMDDHH)	X-COORD (M)	Y-COORD (M)	CONC	(YYMMDDHH)
603308.27	4130247.67	381.14211	(17112406)	603308.27	4130297.67	428.39675	(17111624)
603358.27	4130197.67	263.17953	(17122319)	603358.27	4130247.67	301.21300	(17111624)
603358.27	4130297.67	373.88318	(17112321)	603358.27	4130347.67	430.90307	(17011720)
603358.27	4130397.67	490.77904	(17121520)	603408.27	4130097.67	192.59935	(17112406)
603408.27	4130147.67	212.69798	(17122319)	603408.27	4130197.67	227.62124	(17111624)
603408.27	4130247.67	280.68983	(17111918)	603408.27	4130297.67	300.98496	(17111818)
603408.27	4130347.67	346.17187	(17121319)	603408.27	4130397.67	376.84004	(17011118)
603408.27	4130447.67	315.22553	(17120118)	603458.27	4130047.67	159.96566	(17112406)
603458.27	4130097.67	173.92563	(17122319)	603458.27	4130147.67	180.25591	(17111624)
603458.27	4130197.67	220.25820	(17111918)	603458.27	4130247.67	237.61082	(17120717)
603458.27	4130297.67	263.64972	(17011720)	603458.27	4130347.67	275.14929	(17121520)
603458.27	4130397.67	298.58806	(17012521)	603458.27	4130447.67	219.90043	(17120118)
603458.27	4130497.67	217.55597	(17121119)	603508.27	4129997.67	130.38093	(17112406)
603508.27	4130047.67	144.12564	(17122319)	603508.27	4130097.67	147.63539	(17111624)

603508.27 4130147.67 175.45977 (17111918)
603508.27 4130197.67 173.84620 (17120717)
603508.27 4130247.67 195.73634 (17111818)
603508.27 4130297.67 225.44741 (17121319)
603508.27 4130347.67 241.52814 (17121520)
603508.27 4130397.67 247.86597 (17010623)
603508.27 4130447.67 181.04601 (17012919)
603508.27 4130497.67 178.82806 (17112320)
603508.27 4130547.67 178.47192 (17112319)
603558.27 4129997.67 121.01897 (17122319)
603558.27 4130047.67 124.00389 (17111624)
603558.27 4130097.67 146.83234 (17012918)
603558.27 4130147.67 150.49708 (17010503)
603558.27 4130197.67 165.04361 (17120717)
603558.27 4130247.67 182.55203 (17011720)
603558.27 4130297.67 189.39647 (17121418)
603558.27 4130347.67 207.19403 (17011118)
603558.27 4130397.67 213.89907 (17120118)
603558.27 4130447.67 152.54645 (17012919)
603558.27 4130497.67 151.83183 (17112320)
603558.27 4130547.67 145.19051 (17112319)
603558.27 4130597.67 136.32608 (17012819)
603608.27 4129997.67 106.19384 (17111624)
603608.27 4130047.67 125.62849 (17012918)
603608.27 4130097.67 132.41105 (17112321)
603608.27 4130147.67 141.61165 (17120717)
603608.27 4130197.67 142.65151 (17112408)
603608.27 4130247.67 161.47410 (17121319)
603608.27 4130297.67 168.89146 (17121520)
603608.27 4130347.67 172.55535 (17011118)
603608.27 4130397.67 186.06603 (17120118)
603608.27 4130447.67 130.62802 (17012919)
603608.27 4130497.67 130.62444 (17112320)
603608.27 4130547.67 119.45763 (17012619)
603608.27 4130597.67 122.85827 (17012819)
603658.27 4129997.67 108.59771 (17012918)
603658.27 4130047.67 115.12119 (17112321)
603658.27 4130097.67 114.88031 (17120717)
603658.27 4130147.67 123.78942 (17111818)
603658.27 4130197.67 136.12821 (17011720)
603658.27 4130247.67 141.51220 (17121418)
603658.27 4130297.67 151.25039 (17121520)
603658.27 4130347.67 149.76306 (17012521)
603658.27 4130397.67 158.87462 (17120118)
603658.27 4130447.67 113.27299 (17012919)
603658.27 4130497.67 113.73311 (17112320)
603658.27 4130547.67 105.98648 (17011521)
603658.27 4130597.67 108.61586 (17112219)
602640.57 4130170.66 88.71966 (17122023)
602640.57 4130220.66 84.93711 (17080404)
602640.57 4130270.66 89.22112 (17102321)
602640.57 4130320.66 104.48026 (17111124)

*** MODELOPTs: RegDFAULT CONC ELEV FLGPOL URBAN ADJ_U*

*** THE 1ST HIGHEST 1-HR AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: ALL ***
INCLUDING SOURCE(S):
SPILL ,

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

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

X-COORD (M)	Y-COORD (M)	CONC	(YYMMDDHH)	X-COORD (M)	Y-COORD (M)	CONC	(YYMMDDHH)
602640.57	4130370.66	107.87791	(17121102)	602640.57	4130420.66	109.17452	(17010205)
602640.57	4130470.66	111.09004	(17111107)	602640.57	4130520.66	111.21218	(17111623)
602640.57	4130570.66	110.81471	(17112003)	602640.57	4130620.66	141.23296	(17011601)
602640.57	4130670.66	147.99250	(17122402)	602640.57	4130720.66	140.88527	(17110924)
602640.57	4130770.66	131.56519	(17120724)	602640.57	4130820.66	125.96561	(17112602)
602640.57	4130870.66	116.38767	(17110702)	602640.57	4130920.66	109.65112	(17112002)
602690.57	4130220.66	101.88172	(17122023)	602690.57	4130270.66	98.47650	(17122720)
602690.57	4130320.66	121.04197	(17111124)	602690.57	4130370.66	124.11887	(17121102)
602690.57	4130420.66	126.25646	(17010205)	602690.57	4130470.66	128.99872	(17111107)
602690.57	4130520.66	130.99386	(17111623)	602690.57	4130570.66	126.28199	(17111301)
602690.57	4130620.66	175.93148	(17011601)	602690.57	4130670.66	164.96418	(17120223)
602690.57	4130720.66	158.89202	(17121424)	602690.57	4130770.66	146.49454	(17111901)
602690.57	4130820.66	135.12194	(17110702)	602690.57	4130870.66	128.13828	(17112302)
602690.57	4130920.66	117.33198	(17112603)	602740.57	4130220.66	116.72539	(17122023)

602740.57 4130270.66 116.91258 (17080404)
602740.57 4130320.66 127.53934 (17111124)
602740.57 4130370.66 146.40970 (17111805)
602740.57 4130420.66 146.92788 (17112723)
602740.57 4130470.66 152.48711 (17111107)
602740.57 4130520.66 154.96570 (17111623)
602740.57 4130570.66 150.11269 (17112303)
602740.57 4130620.66 204.31020 (17120822)
602740.57 4130670.66 192.43867 (17110924)
602740.57 4130720.66 178.64199 (17120724)
602740.57 4130770.66 163.36321 (17112602)
602740.57 4130820.66 151.93685 (17112302)
602740.57 4130870.66 138.21082 (17112603)
602790.57 4130270.66 148.05237 (17122023)
602790.57 4130320.66 139.39264 (17122720)
602790.57 4130370.66 170.47460 (17111124)
602790.57 4130420.66 178.03794 (17112723)
602790.57 4130470.66 184.39784 (17111107)
602790.57 4130520.66 183.45766 (17111623)
602790.57 4130570.66 226.00426 (17011601)
602790.57 4130620.66 237.72152 (17122707)
602790.57 4130670.66 221.20970 (17112005)
602790.57 4130720.66 207.58611 (17112602)
602790.57 4130770.66 182.96349 (17112302)
602790.57 4130820.66 166.41026 (17112603)
602840.57 4130320.66 176.53444 (17080404)
602840.57 4130370.66 214.62661 (17111124)
602840.57 4130420.66 219.25487 (17011608)
602840.57 4130470.66 229.75871 (17111107)
602840.57 4130520.66 226.36403 (17112003)
602840.57 4130570.66 311.24022 (17011601)
602840.57 4130620.66 287.88562 (17110924)
602840.57 4130670.66 258.30409 (17111901)
602840.57 4130720.66 227.94954 (17012903)
602840.57 4130770.66 206.20956 (17112603)
602890.57 4130370.66 239.06891 (17102321)
602890.57 4130420.66 288.81730 (17121102)
602890.57 4130470.66 298.29806 (17111107)
602890.57 4130520.66 295.95287 (17112003)
602890.57 4130570.66 391.34695 (17122402)
602890.57 4130620.66 350.40008 (17120724)
602890.57 4130670.66 306.44852 (17110702)
602940.57 4130520.66 454.15225 (17011601)
602940.57 4130570.66 508.68024 (17110924)
602940.57 4130620.66 430.21373 (17112602)
602754.62 4130958.49 117.04940 (17121721)
602804.62 4130858.49 160.24224 (17110722)
602804.62 4130908.49 138.07586 (17012807)
602804.62 4130958.49 130.58519 (17112004)
602854.62 4130808.49 197.37623 (17110722)
602854.62 4130858.49 169.99524 (17110603)
602854.62 4130908.49 151.12383 (17012505)

*** MODELOPTs: RegDFAULT CONC ELEV FLGPOL URBAN ADJ_U*

*** THE 1ST HIGHEST 1-HR AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: ALL ***
INCLUDING SOURCE(S):
SPILL ,

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

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

X-COORD (M)	Y-COORD (M)	CONC	(YYMMDDHH)
602854.62	4130958.49	136.62255	(17122822)
602904.62	4130758.49	245.09918	(17110722)
602904.62	4130808.49	216.22619	(17112004)
602904.62	4130858.49	184.81102	(17121723)
602904.62	4130908.49	163.18958	(17120224)
602904.62	4130958.49	146.49284	(17120520)
602954.62	4130708.49	320.61013	(17012807)
602954.62	4130758.49	274.60921	(17012505)
602954.62	4130808.49	231.11856	(17012707)
602954.62	4130858.49	200.89725	(17112304)
602954.62	4130908.49	174.84449	(17121019)
602954.62	4130958.49	150.94956	(17111221)
603004.62	4130658.49	480.42890	(17112004)
603004.62	4130708.49	376.67651	(17120820)
603004.62	4130758.49	305.39255	(17111921)
603004.62	4130808.49	251.39012	(17121019)
603004.62	4130858.49	217.04774	(17111221)
603004.62	4130908.49	183.61000	(17111224)
603004.62	4130958.49	157.76232	(17111224)
603054.62	4130658.49	556.52365	(17111921)
603054.62	4130708.49	427.31191	(17111221)
603054.62	4130758.49	332.00521	(17111224)
603054.62	4130808.49	266.17324	(17110501)
603054.62	4130858.49	223.90089	(17120719)
603054.62	4130908.49	182.48718	(17120719)
603054.62	4130958.49	155.05857	(17112903)
603104.62	4130708.49	441.50749	(17112501)
603104.62	4130758.49	347.52677	(17112501)

603104.62 4130808.49 276.00176 (17112501)
603104.62 4130858.49 226.25465 (17121921)
603104.62 4130908.49 195.28820 (17121921)
603104.62 4130958.49 170.11252 (17121921)
603154.62 4130708.49 446.92102 (17120122)
603154.62 4130758.49 338.24391 (17120122)
603154.62 4130808.49 268.30795 (17012708)
603154.62 4130858.49 219.65082 (17111421)
603154.62 4130908.49 188.63926 (17111421)
603154.62 4130958.49 164.23868 (17111421)
603204.62 4130708.49 406.38397 (17111018)
603204.62 4130758.49 338.02175 (17111018)
603204.62 4130808.49 264.38415 (17110720)
603204.62 4130858.49 228.78406 (17110720)
603204.62 4130908.49 191.57281 (17120519)
603204.62 4130958.49 162.98392 (17120519)
603254.62 4130658.49 359.66754 (17110423)
603254.62 4130708.49 276.22063 (17112722)
603254.62 4130758.49 230.91778 (17121819)
603254.62 4130808.49 201.97423 (17090802)
603254.62 4130858.49 198.38304 (17090802)
603254.62 4130908.49 182.23684 (17111018)
603254.62 4130958.49 162.82220 (17111018)
603304.62 4130758.49 207.67286 (17110423)
603304.62 4130908.49 129.54316 (17121819)
603304.62 4130958.49 121.00011 (17090802)
603354.62 4130908.49 116.96602 (17112722)
603354.62 4130958.49 105.43589 (17120819)
603005.81 4130339.02 400.41407 (17021004)
603005.81 4130359.02 479.04300 (17112019)
603025.81 4130359.02 506.26199 (17021004)
603025.81 4130379.02 619.43806 (17112019)
603045.81 4130359.02 533.55387 (17051423)
603045.81 4130379.02 670.27901 (17021004)
603065.81 4130359.02 661.81007 (17010906)
603065.81 4130379.02 727.71712 (17051423)
603085.81 4130359.02 760.17925 (17121923)
603105.81 4130339.02 607.00927 (17091721)
603105.81 4130359.02 803.73286 (17010624)
603105.81 4130379.02 1100.90067 (17010624)
603125.81 4130339.02 708.62850 (17121217)
603125.81 4130359.02 887.72158 (17121217)
603125.81 4130379.02 1167.34788 (17111122)
603145.81 4130359.02 1092.47630 (17111324)
603145.81 4130379.02 1547.58071 (17111324)
603035.25 4130307.16 391.70963 (17010906)
603035.25 4130327.16 412.34939 (17080305)
603055.25 4130307.16 393.23394 (17081402)
603055.25 4130327.16 490.86768 (17010906)
603075.25 4130287.16 414.69096 (17010624)
603075.25 4130307.16 481.36955 (17121923)
603075.25 4130327.16 556.54695 (17121923)

*** MODELOPTs: RegDFAULT CONC ELEV FLGPOL URBAN ADJ_U*

*** THE 1ST HIGHEST 1-HR AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: ALL ***
INCLUDING SOURCE(S):
SPILL ,

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

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

X-COORD (M)	Y-COORD (M)	CONC	(YYMMDDHH)	X-COORD (M)	Y-COORD (M)	CONC	(YYMMDDHH)
603095.25	4130287.16	381.31374	(17122623)	603095.25	4130307.16	448.51456	(17091721)
603115.25	4130287.16	442.72587	(17111122)	603135.25	4130287.16	395.90917	(17121217)
603135.25	4130307.16	469.41527	(17121217)	603155.25	4130287.16	554.83425	(17111324)
603155.25	4130307.16	690.42320	(17111324)	603155.25	4130327.16	879.49404	(17122518)
603175.25	4130287.16	658.62975	(17122518)	603175.25	4130307.16	761.88458	(17112021)
603175.25	4130327.16	893.79832	(17122517)	603175.25	4130347.16	1056.76913	(17122120)
602962.66	4130491.49	493.42788	(17111623)	602962.66	4130511.49	491.26639	(17011601)
602962.66	4130531.49	650.03149	(17121724)	602962.66	4130551.49	620.26882	(17110924)
602982.66	4130511.49	684.53785	(17011601)	602982.66	4130531.49	755.26885	(17122402)
602982.66	4130551.49	708.56538	(17122122)	602982.66	4130571.49	655.13743	(17120107)
603002.66	4130531.49	889.40789	(17110924)	603002.66	4130551.49	818.27849	(17120724)
603235.59	4130440.48	1480.32638	(17011118)	603235.59	4130460.48	1459.17976	(17120118)
603255.59	4130320.48	631.40454	(17112406)	603255.59	4130340.48	690.04815	(17122319)
603255.59	4130420.48	1080.58483	(17121418)	603255.59	4130440.48	1147.93339	(17011118)

603255.59 4130460.48 1070.94122 (17120118)
603255.59 4130480.48 865.87753 (17121119)
603275.59 4130320.48 560.68569 (17122419)
603275.59 4130340.48 650.32935 (17012918)
603275.59 4130360.48 711.35383 (17112321)
603275.59 4130380.48 870.94371 (17122416)
603275.59 4130400.48 829.56144 (17011720)
603275.59 4130420.48 919.18420 (17121520)
603275.59 4130440.48 950.16545 (17012521)
603275.59 4130460.48 809.93861 (17120118)
603275.59 4130480.48 706.16768 (17112320)
603275.59 4130500.48 695.43968 (17112319)
603295.59 4130340.48 586.17983 (17112321)
603295.59 4130360.48 628.05166 (17120717)
603295.59 4130380.48 741.36340 (17122416)
603295.59 4130400.48 718.66916 (17121418)
603295.59 4130420.48 777.74683 (17111219)
603295.59 4130440.48 804.69650 (17010623)
603295.59 4130460.48 628.69493 (17120118)
603295.59 4130480.48 589.10007 (17112320)
603295.59 4130500.48 571.83471 (17112319)
603295.59 4130520.48 541.53812 (17110719)
603315.59 4130360.48 614.23422 (17122416)
603315.59 4130380.48 585.98482 (17011720)
603315.59 4130400.48 609.59808 (17121520)
603315.59 4130420.48 672.79156 (17011118)
603315.59 4130440.48 698.10679 (17120118)
603315.59 4130460.48 499.80434 (17120118)
603315.59 4130480.48 501.26293 (17112320)
603315.59 4130500.48 469.43750 (17112319)
603315.59 4130520.48 468.72031 (17012819)
603335.59 4130380.48 531.06317 (17121319)
603335.59 4130420.48 563.84827 (17011118)
603335.59 4130440.48 606.70010 (17120118)
603335.59 4130460.48 431.73215 (17012919)
603335.59 4130480.48 432.66622 (17112320)
603355.59 4130440.48 525.32278 (17120118)
603355.59 4130460.48 377.65508 (17012919)
603025.04 4130593.30 757.08454 (17111902)
603025.04 4130613.30 650.02530 (17121721)
603045.04 4130613.30 721.91786 (17012505)
603045.04 4130633.30 636.00995 (17120820)
603065.04 4130613.30 801.07734 (17120520)
603065.04 4130633.30 679.75476 (17111921)
603085.04 4130633.30 715.20680 (17111224)
603085.04 4130653.30 622.18141 (17111224)
603105.04 4130653.30 608.77732 (17112903)
603125.04 4130653.30 665.77741 (17121921)
603145.04 4130633.30 771.04968 (17101908)
603145.04 4130653.30 629.53325 (17111421)
603165.04 4130613.30 877.51886 (17110720)
603165.04 4130633.30 758.30929 (17110720)

*** MODELOPTs: RegDFAULT CONC ELEV FLGPOL URBAN ADJ_U*

*** THE 1ST HIGHEST 1-HR AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: ALL ***
INCLUDING SOURCE(S):
SPILL ,

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

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

X-COORD (M)	Y-COORD (M)	CONC	(YYMMDDHH)	X-COORD (M)	Y-COORD (M)	CONC	(YYMMDDHH)
603165.04	4130653.30	646.89472	(17110720)	603185.04	4130593.30	766.73614	(17121819)
603185.04	4130613.30	725.87730	(17090802)	603185.04	4130633.30	667.59707	(17090802)
603185.04	4130653.30	618.43662	(17111018)	603205.04	4130593.30	683.79295	(17110423)
603205.04	4130613.30	576.82953	(17120819)	603205.04	4130633.30	504.26469	(17121819)
603205.04	4130653.30	441.67955	(17012920)	603225.04	4130613.30	534.08376	(17110423)
603225.04	4130633.30	466.18150	(17112904)	603245.04	4130633.30	412.49779	(17122320)
602922.39	4130406.41	341.41659	(17111124)	602922.39	4130426.41	351.09770	(17121102)
602942.39	4130386.41	318.06373	(17122720)	602942.39	4130406.41	390.99867	(17111124)
602942.39	4130426.41	398.12800	(17111805)	602942.39	4130446.41	402.81652	(17010205)
602962.39	4130386.41	371.92863	(17080404)	602962.39	4130406.41	429.59333	(17111124)
602962.39	4130426.41	463.50232	(17111805)	602962.39	4130446.41	468.04978	(17112723)
602962.39	4130466.41	477.82034	(17110601)	602982.39	4130406.41	457.96309	(17102321)
602982.39	4130426.41	539.19074	(17111124)	602982.39	4130446.41	549.87449	(17112723)
602982.39	4130466.41	570.54997	(17110601)	602982.39	4130486.41	581.34609	(17111623)

603002.39 4130426.41 658.76591 (17111124)
603002.39 4130446.41 678.96126 (17011608)
603002.39 4130466.41 697.79338 (17110601)
603002.39 4130486.41 711.58809 (17111623)
603002.39 4130506.41 842.32801 (17011601)
603022.39 4130446.41 851.20377 (17121102)
603022.39 4130466.41 880.56534 (17110601)
603022.39 4130486.41 887.04670 (17111623)
603022.39 4130506.41 1162.50456 (17011601)
603042.39 4130466.41 1160.12440 (17110601)
603042.39 4130486.41 1151.14044 (17112003)
603042.39 4130506.41 1501.19676 (17120822)
603062.39 4130466.41 1625.44281 (17110601)
603073.49 4130393.01 900.84182 (17051423)
603073.49 4130413.01 1233.72725 (17112019)
603093.49 4130393.01 1163.08781 (17010906)
603093.49 4130413.01 1448.02126 (17080305)
603093.49 4130433.01 2224.62703 (17112019)
603113.49 4130393.01 1373.87341 (17010624)
603113.49 4130413.01 2048.15053 (17121923)
603084.25 4130509.77 2721.68139 (17112602)
603084.25 4130529.77 2109.91123 (17110722)
603104.25 4130509.77 3752.89030 (17110722)
603104.25 4130529.77 2580.85357 (17120224)
603104.25 4130549.77 1867.40093 (17121019)
603124.25 4130529.77 2927.17690 (17120719)
603170.74 4130474.71 4479.84217 (17121119)
603170.74 4130494.71 3577.98108 (17112419)
603190.74 4130474.71 2538.71901 (17112320)
603190.74 4130494.71 2233.45898 (17111020)
603190.74 4130514.71 1806.80967 (17012622)
603210.74 4130494.71 1560.01593 (17110719)
603210.74 4130514.71 1373.21431 (17112424)
603210.74 4130534.71 1126.90104 (17122417)
603230.74 4130494.71 1153.19988 (17112219)
603230.74 4130514.71 1028.39190 (17122220)
603230.74 4130534.71 940.60233 (17112419)
603230.74 4130554.71 797.96050 (17111019)
603250.74 4130514.71 853.21109 (17111020)
603250.74 4130534.71 763.96910 (17011321)
603250.74 4130554.71 677.42553 (17112419)
603270.74 4130534.71 621.64089 (17122220)
603270.74 4130554.71 594.69190 (17112424)
603290.74 4130534.71 547.80383 (17111020)
603348.17 4130591.19 322.70544 (17011321)
603348.17 4130641.19 276.10106 (17012622)
603398.17 4130541.19 278.29840 (17012819)
603398.17 4130591.19 249.78786 (17122220)
603398.17 4130641.19 230.16490 (17112419)
603448.17 4130541.19 225.74280 (17112319)
603448.17 4130591.19 212.86875 (17111020)
603448.17 4130641.19 191.39730 (17011321)

*** MODELOPTs: RegDFAULT CONC ELEV FLGPOL URBAN ADJ_U*

*** THE 1ST HIGHEST 1-HR AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: ALL ***
INCLUDING SOURCE(S):
SPILL ,

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

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

X-COORD (M)	Y-COORD (M)	CONC	(YYMMDDHH)	X-COORD (M)	Y-COORD (M)	CONC	(YYMMDDHH)
603498.17	4130591.19	175.64344	(17110719)	603498.17	4130641.19	156.25647	(17122220)
603548.17	4130641.19	138.83071	(17111020)	603206.05	4130384.23	1312.99463	(17112406)
603206.05	4130404.23	1632.81125	(17012918)	603206.05	4130424.23	2590.31779	(17122416)
603206.05	4130444.23	2267.37984	(17121520)	603226.05	4130384.23	1145.11198	(17012918)
603226.05	4130404.23	1281.78779	(17120717)	603226.05	4130424.23	1701.81226	(17122416)
603246.05	4130384.23	984.23445	(17112321)	603246.05	4130404.23	1330.98349	(17122416)
603096.01	4130606.06	938.57755	(17111224)	603096.01	4130626.06	778.97105	(17110501)
603116.01	4130606.06	945.20760	(17112501)	603116.01	4130626.06	805.59184	(17112501)
603116.01	4130646.06	689.36463	(17112501)	603136.01	4130606.06	992.52200	(17111421)
603136.01	4130626.06	820.69613	(17111421)	603094.75	4130604.93	948.32124	(17111224)
603094.75	4130624.93	785.59682	(17110501)	603114.75	4130604.93	949.27884	(17122403)
603114.75	4130624.93	806.83319	(17112501)	603114.75	4130644.93	694.84064	(17112501)
603134.75	4130584.93	1258.05819	(17111421)	603134.75	4130604.93	1005.55404	(17111421)
603154.75	4130584.93	1281.58049	(17101908)	602703.60	4130052.56	75.73733	(17021004)

*** MODELOPTs: RegDFAULT CONC ELEV FLGPOL URBAN ADJ_U*

*** THE SUMMARY OF MAXIMUM ANNUAL RESULTS AVERAGED OVER 1 YEARS ***

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

NETWORK GROUP ID	AVERAGE CONC	RECEPTOR (XR, YR, ZELEV, ZHILL, ZFLAG)	OF TYPE	GRID-ID
ALL	1ST HIGHEST VALUE IS	372.03763 AT (603170.74, 4130474.71, 39.01, 39.01, 1.50)	DC	
	2ND HIGHEST VALUE IS	368.74974 AT (603104.25, 4130509.77, 38.71, 38.71, 1.50)	DC	
	3RD HIGHEST VALUE IS	289.63586 AT (603084.25, 4130509.77, 38.71, 38.71, 1.50)	DC	
	4TH HIGHEST VALUE IS	255.70239 AT (603206.05, 4130444.23, 39.32, 39.32, 1.50)	DC	
	5TH HIGHEST VALUE IS	233.82119 AT (603206.05, 4130424.23, 39.32, 39.32, 1.50)	DC	
	6TH HIGHEST VALUE IS	188.34488 AT (603170.74, 4130494.71, 39.00, 39.00, 1.50)	DC	
	7TH HIGHEST VALUE IS	178.32774 AT (603190.74, 4130474.71, 39.02, 39.02, 1.50)	DC	
	8TH HIGHEST VALUE IS	178.19531 AT (603084.25, 4130529.77, 38.71, 38.71, 1.50)	DC	
	9TH HIGHEST VALUE IS	177.82772 AT (603104.25, 4130529.77, 38.71, 38.71, 1.50)	DC	
	10TH HIGHEST VALUE IS	171.20523 AT (603226.05, 4130424.23, 39.32, 39.32, 1.50)	DC	

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

*** MODELOPTs: RegDFAULT CONC ELEV FLGPOL URBAN ADJ_U*

*** THE SUMMARY OF HIGHEST 1-HR RESULTS ***

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

NETWORK GROUP ID	AVERAGE CONC	DATE (YYMMDDHH)	RECEPTOR (XR, YR, ZELEV, ZHILL, ZFLAG)	OF TYPE	GRID-ID
ALL	HIGH 1ST HIGH VALUE IS	4479.84217	ON 17121119:	AT	
	(603170.74,	4130474.71,	39.01,	39.01,	1.50) DC

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

```
 *** AERMOD - VERSION 23132  ***   *** C:\Lakes\AERMOD View\36
_tully rd\36_tully rd.isc                    ***        07/23/24
 *** AERMET - VERSION  18081 ***   ***
***        08:52:24

PAGE  29
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  FLGPOL  URBAN  ADJ_U*

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

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

 A Total of            0 Fatal Error Message(s)
 A Total of            3 Warning Message(s)
 A Total of          194 Informational Message(s)

 A Total of         8784 Hours Were Processed

 A Total of           52 Calm Hours Identified

 A Total of          142 Missing Hours Identified (  1.62
Percent)


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


    ********   WARNING MESSAGES   ********
 ME W186      64       MEOPEN: THRESH_1MIN 1-min ASOS wind speed
threshold used           0.50
 ME W187      64       MEOPEN: ADJ_U* Option for Stable Low Winds
used in AERMET
 MX W481    8785         MAIN: Data Remaining After End of Year.
Number of Hours=           24

    ***********************************
    *** AERMOD Finishes Successfully ***
    ***********************************
```

*HARP - HRACalc v21081 8/2/2024 3:42:31 PM - Cancer Risk - Input File: C:\Users\kheck\Desktop\Projects\1152 Tully Road\ResidentialoperationalHRAInput.hra

INDEX	GRP1	GRP2	POLID	POLABBREV	CONC	RISK_SUM	SCENARIO	DETAILS	INH_RISK
2	residential		71432	Benzene	0.004919	3.0491e-07	30YrCancerDerived_Inh_FAH3to70	*	3.0491e-07
3	residential		100414	Ethyl Benzene	0.0128	6.9027e-08	30YrCancerDerived_Inh_FAH3to70	*	6.9027e-08
4	residential		91087	T-2,6-diisocyan	0.06402	1.5476e-06	30YrCancerDerived_Inh_FAH3to70	*	1.5476e-06
5	residential		1330207	Xylenes	0.0193	0.0e+00	30YrCancerDerived_Inh_FAH3to70	*	0.0e+00

1.92154E-06

*HARP - HRACalc v21081 8/2/2024 3:46:01 PM - Cancer Risk - Input File: C:\Users\kheck\Desktop\Projects\1152 Tully Road\workeroperationalHRAInput.hra

INDEX	GRP1	GRP2	POLID	POLABBREV	CONC	RISK_SUM	SCENARIO	DETAILS	INH_RISK
2	worker		71432	Benzene	0.01444	8.12E-08	25YrCancerDerived_InhSoilDerm	*	8.12E-08
3	worker		100414	Ethyl Benzene	0.03775	1.85E-08	25YrCancerDerived_InhSoilDerm	*	1.85E-08
4	worker		91087	T-2,6-diisocyan	0.18877	4.14E-07	25YrCancerDerived_InhSoilDerm	*	4.14E-07
5	worker		1330207	Xylenes	0.05663	0.00E+00	25YrCancerDerived_InhSoilDerm	*	0.00E+00
						5.14E-07			

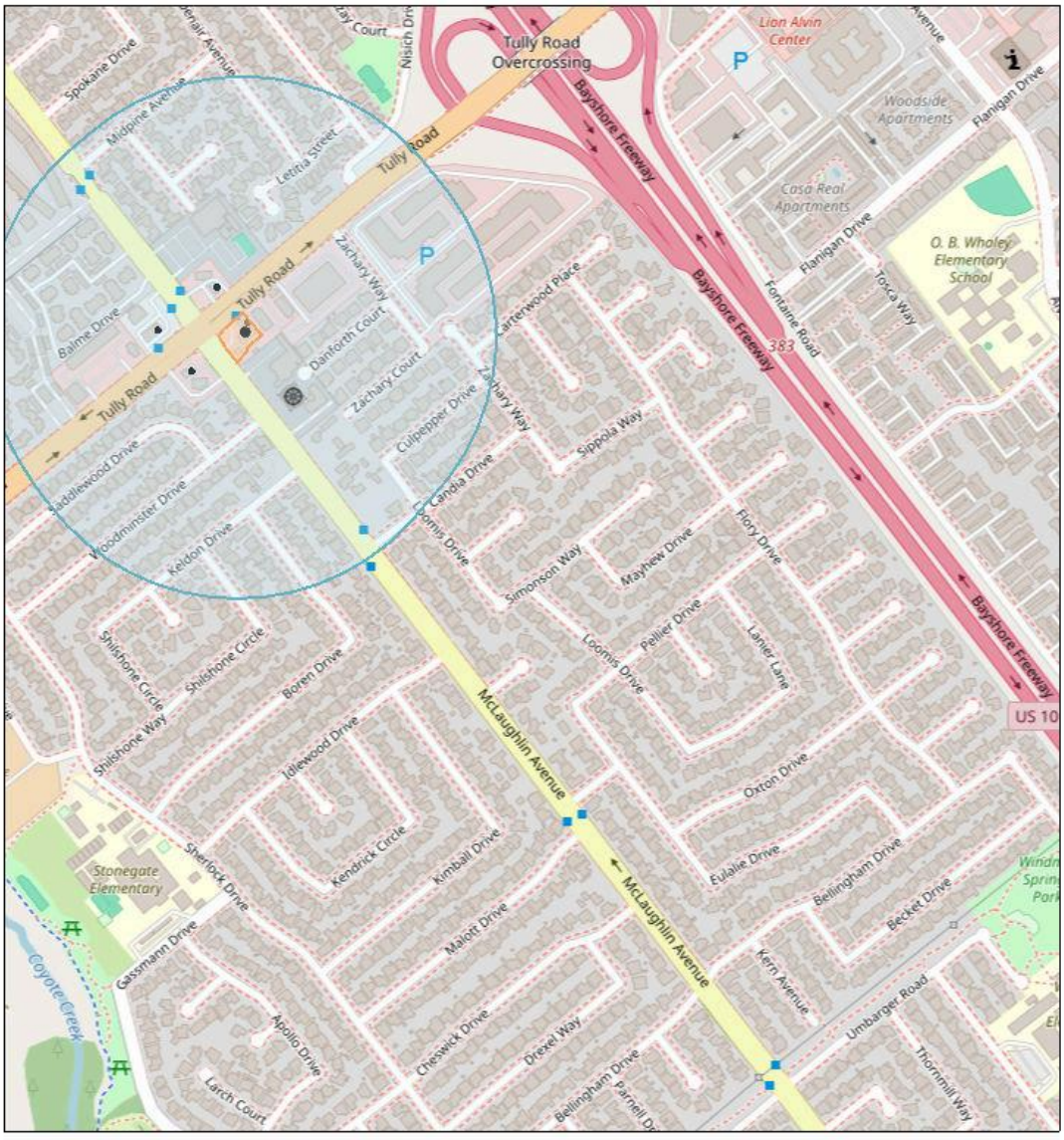
Cumulative HRA output files

Screening Report

Area of Interest (AOI) Information

Area : 3,715,678.62 ft²

Jul 26 2024 13:06:32 Pacific Daylight Time



Summary

Name	Count	Area(ft²)	Length(ft)
Permitted Stationary Sources	4	N/A	N/A

Permitted Stationary Sources

#	Facility_I	Facility_N	Address	City	State
1	104255	Chevron #9-2780	1151 Tully Rd	San Jose	CA
2	111965	76 branded station	1152 Tully Rd	San Jose	CA
3	112077	Tully AM/PM	1100 Tully Rd	San Jose	CA
4	112365	Tully Valero	1155 Tully Rd	San Jose	CA

#	Zip	County	Latitude	Longitude	Details
1	95122	Santa Clara	37.315174	-121.837146	Gas Dispensing Facility
2	95122	Santa Clara	37.315269	-121.835826	Gas Dispensing Facility
3	95122	Santa Clara	37.314700	-121.836648	Gas Dispensing Facility
4	95122	Santa Clara	37.315679	-121.836276	Gas Dispensing Facility

#	NAICS	NAICS_Sect	NAICS_Subs	NAICS_Indu	Cancer_Ris
1	447110	Retail Trade	Gasoline Stations	Gasoline Stations with Convenience Stores	12.960000
2	447110	Retail Trade	Gasoline Stations	Gasoline Stations with Convenience Stores	6.761000
3	447110	Retail Trade	Gasoline Stations	Gasoline Stations with Convenience Stores	23.474000
4	447110	Retail Trade	Gasoline Stations	Gasoline Stations with Convenience Stores	24.606000

#	Chronic_Ha	PM25	Count
1	0.056000	0.000000	1
2	0.029000	0.000000	1
3	0.102000	0.000000	1
4	0.107000	0.000000	1

NOTE: A larger buffer than 1000 feet may be warranted depending on proximity to significant sources.

Appendix C Energy Calculations

Tully 76 Service Project—Energy Consumption Summary

Date of Last Revision: July 18, 2024

Summary of Energy Use During Construction (2025-2026)		(Annually)
Construction vehicle fuel	4,901	gallons (gasoline, diesel)
Construction equipment fuel	20,860	gallons (diesel)

Summary of Energy Use During Proposed Operations (2027)		(Annually)
NET Operational vehicle fuel consumption	31,667	gallons (gasoline, diesel)
NET Operational electricity consumption	1,836,483	kilowatt hours
NET Operational natural gas consumption	128,878	kBTU

Construction Vehicle Fuel Calculations (Page 1 of 2)

California Air Resource Board (CARB). 2024. EMFAC2021 Web Database. Accessed July 18, 2024.

Source: EMFAC2021 (v1.0.2) Emissions Inventory
Region Type: County
Region: Santa Clara
Calendar Year: 2025, 2027
Season: Annual
Vehicle Classification: EMFAC2007 Categories
Units: miles/day for CVMT and EVMT, trips/day for Trips, kWh/day for Energy Consumption, tons/day for Emissions, 1000 gallons/day for Fuel Consumption

VMT = Vehicle Miles Traveled
FE = Fuel Economy

						Given			*Calculations*	
Region	Calendar Year	Vehicle Category	Model Year	Speed	Fuel	Population	VMT (mi/day)	Fuel Consumption (1000 gallons/day)	FE (mi/gallon)	VMT*FE
Santa Clara	2025	HHDT	Aggregate	Aggregate	Gasoline	2.33035896	124.94482	0.030860449	4.04870399	505.8646
Santa Clara	2025	HHDT	Aggregate	Aggregate	Diesel	8692.57496	1008963.9	169.8966016	5.93869411	5991928
Santa Clara	2025	LDA	Aggregate	Aggregate	Gasoline	598860.284	22133915	717.2291564	30.8603108	6.83E+08
Santa Clara	2025	LDA	Aggregate	Aggregate	Diesel	1620.03991	46912.854	1.062234444	44.1643127	2071874
Santa Clara	2025	LDT1	Aggregate	Aggregate	Gasoline	51680.8552	1664705.9	64.46812681	25.8221536	42986291
Santa Clara	2025	LDT1	Aggregate	Aggregate	Diesel	21.282725	302.82578	0.012373201	24.4743274	7411.457
Santa Clara	2025	LDT2	Aggregate	Aggregate	Gasoline	290874.748	10447706	416.8590541	25.0629216	2.62E+08
Santa Clara	2025	LDT2	Aggregate	Aggregate	Diesel	1049.95238	38652.337	1.145644126	33.7385197	1304073
Santa Clara	2025	LHDT1	Aggregate	Aggregate	Gasoline	19422.4639	728336.98	73.54932741	9.90270071	7212503
Santa Clara	2025	LHDT1	Aggregate	Aggregate	Diesel	10387.1028	408019.33	25.36663199	16.084884	6562944
Santa Clara	2025	LHDT2	Aggregate	Aggregate	Gasoline	2512.65228	91345.054	10.3915741	8.79030002	802950.4
Santa Clara	2025	LHDT2	Aggregate	Aggregate	Diesel	4837.2356	188645.05	14.03711289	13.4390205	2535205
Santa Clara	2025	MDV	Aggregate	Aggregate	Gasoline	159532.218	5551044.4	268.773186	20.6532671	1.15E+08
Santa Clara	2025	MDV	Aggregate	Aggregate	Diesel	2421.36412	85326.799	3.356576548	25.4207815	2169074
Santa Clara	2025	MHDT	Aggregate	Aggregate	Gasoline	1412.26257	72039.874	14.86404823	4.84658503	349147.4
Santa Clara	2025	MHDT	Aggregate	Aggregate	Diesel	10548.0591	435100.62	51.21452632	8.4956486	3696462

Worker

Sum of VMT*FE (Column BI)	**1.11E+09**
Total VMT	**39968566**
Weighted Average Fuel Economy	**27.72417**

Vendor

Sum of VMT*FE (Column BI)	**27151645**
Total VMT	**2932576**
Weighted Average Fuel Economy	**9.258634**

Haul

Sum of VMT*FE (Column BI)	**5992434**
Total VMT	**1009089**
Weighted Average Fuel Economy	**5.93846**

Construction Vehicle Fuel Calculations (Page 2 of 2)

Construction Schedule

Source: CalEEMod Output

CalEEMod Phase Type	Phase Name	Start Date	End Date	Num Days Week	Num Days
Demolition	Demolition	6/2/2025	6/9/2025	5	6
Site Preparation	Site Preparation	6/10/2025	9/1/2025	5	60
Grading	Grading	9/1/2025	10/10/2025	5	30
Building Construction	Building Construction	10/11/2025	9/18/2026	5	245
Paving	Paving	9/19/2026	10/30/2026	5	30
Architectural Coating	Architectural Coating	10/31/2026	12/15/2026	5	32

Construction Trips and VMT

	One-Way Trips per Day			Construction Trip Length in Miles			Number of Days per Phase	Trips per Phase			VMT per Phase			Fuel Consumption (gallons)		
Phase Name	Worker Trip Number	Vendor Trip Number	Hauling Trip Number	Worker Trip Length	Vendor Trip Length	Hauling Trip Length		Worker Trip Number	Vendor Trip Number	Hauling Trip Number	Worker Trips	Vendor Trips	Hauling Trips	Worker Trips	Vendor Trips	Hauling Trips
Demolition	30.0	0.0	32.2	11.7	8.4	20	6	180	0	193	2,106	0	3,860	75.96	0.00	650.01
Site Preparation	5.0	0.0	1.6	11.7	8.4	20	60	300	0	96	3,510	0	1,920	126.60	0.00	323.32
Grading	7.5	0.0	0.0	11.7	8.4	20	30	225	0	0	2,633	0	0	94.95	0.00	0.00
Building Construction	30.0	1.4	0.0	11.7	8.4	20	245	7,350	331	0	85,995	2,778	0	3,101.81	300.08	0.00
Paving	17.5	0.0	0.0	11.7	8.4	20	30	525	0	0	6,143	0	0	221.56	0.00	0.00
Architectural Coating	0.5	0.0	0.0	11.7	8.4	20	32	17	0	0	198	0	0	7.13	0.00	0.00
										Totals	*100,584*	*2,778*	*5,780*	*3,628*	*300*	*973*

Total Project Construction VMT (miles)

109,142

Total Project Fuel Consumption (gallons)

4,901

Construction Equipment Fuel Calculation

Construction Schedule

CalEEMod Phase Type	Phase Name	Start Date	End Date	Num Days Week	Num Days
Demolition	Demolition	6/2/2025	6/9/2025	5	6
Site Preparation	Site Preparation	6/10/2025	9/1/2025	5	60
Grading	Grading	9/1/2025	10/10/2025	5	30
Building Construction	Building Construction	10/11/2025	9/18/2026	5	245
Paving	Paving	9/19/2026	10/30/2026	5	30
Architectural Coating	Architectural Coating	10/31/2026	12/15/2026	5	32

Construction Equipment

Phase Name	Offroad Equipment Type	Amount	Usage Hours	Horse Power	Load Factor	Number of Days	HP Hours		HP Bin	Equipment Type + HP	Fuel (gallons/HP-hour)	Diesel Fuel Usage
Demolition	Concrete/Industrial Saws	1	8	33	0.73	6	1,156.32		50	Concrete/Industrial Saws 50	0.04163715	48.15
Demolition	Rubber Tired Dozers	1	1	367	0.4	6	880.80		600	Rubber Tired Dozers 600	0.04536070	39.95
Demolition	Tractors/Loaders/Backhoes	2	6	84	0.37	6	2,237.76		100	Tractors/Loaders/Backhoes 100	0.05648827	126.41
Site Preparation	Graders	1	8	148	0.41	60	29,126.40		175	Graders 175	0.05382880	1,567.84
Site Preparation	Tractors/Loaders/Backhoes	1	8	84	0.37	60	14,918.40		100	Tractors/Loaders/Backhoes 100	0.05648827	842.71
Grading	Graders	1	6	148	0.41	30	10,922.40		175	Graders 175	0.05382880	587.94
Grading	Rubber Tired Dozers	1	6	367	0.4	30	26,424.00		600	Rubber Tired Dozers 600	0.04536070	1,198.61
Grading	Tractors/Loaders/Backhoes	1	7	84	0.37	30	6,526.80		100	Tractors/Loaders/Backhoes 100	0.05648827	368.69
Building Construction	Cranes	1	4	367	0.29	245	104,301.40		600	Cranes 600	0.05152933	5,374.58
Building Construction	Forklifts	2	6	82	0.2	245	48,216.00		100	Forklifts 100	0.05787522	2,790.51
Building Construction	Tractors/Loaders/Backhoes	2	8	84	0.37	245	121,833.60		100	Tractors/Loaders/Backhoes 100	0.05648827	6,882.17
Paving	Cement and Mortar Mixers	4	6	10	0.56	30	4,032.00		15	Cement and Mortar Mixers 15	0	0.00
Paving	Pavers	1	7	81	0.42	30	7,144.20		100	Pavers 100	0.05653635	403.91
Paving	Rollers	1	7	36	0.38	30	2,872.80		50	Rollers 50	0.05785104	166.19
Paving	Tractors/Loaders/Backhoes	1	7	84	0.37	30	6,526.80		100	Tractors/Loaders/Backhoes 100	0.05648827	368.69
Architectural Coating	Air Compressors	1	6	37	0.48	32	3,409.92		50	Air Compressors 50	0.02755950	93.98
											Total	*20,860.33*

Notes:
Equipment assumptions are provided in the CalEEMod output files.
Source of usage estimates: California Air Resource Board (CARB). 2024. OFFROAD2021 (v1.0.7) Emissions Inventory
Website: https://arb.ca.gov/emfac/emissions-inventory/. Accessed July 18, 2024.

State 3600000000
0.0006%

Model Output: OFFROAD2021 (v1.0.7) Emissions Inventory
Region Type: County
Region: Santa Clara
Calendar Year: 2025
Scenario: All Adopted Rules - Exhaust
Vehicle Classification: OFFROAD2021 Equipment Types
Units: tons/day for Emissions, gallons/year for Fuel, hours/year for Activity, Horsepower-hours/year for Horsepower-hours

Region	CalYr	Vehicle Class + HP Bin	Model Year	Fuel	Fuel Consumption (gallons/year)	Horsepower Hours (HP-hours/year)	Fuel (gallons/HP-hour)
Santa Clara	2025	Cranes 100	Aggregate	Diesel	1533.940399	18785.89265	0.081653847
Santa Clara	2025	Cranes 175	Aggregate	Diesel	11491.00874	194849.4646	0.058973776
Santa Clara	2025	Cranes 50	Aggregate	Diesel	130.5004937	1529.520898	0.085321158
Santa Clara	2025	Cranes 600	Aggregate	Diesel	51805.71657	1005363.726	0.051529327
Santa Clara	2025	Graders 100	Aggregate	Diesel	1771.834802	29379.84364	0.060307836
Santa Clara	2025	Graders 175	Aggregate	Diesel	28315.66459	526031.8403	0.053828804
Santa Clara	2025	Graders 50	Aggregate	Diesel	217.3507118	3602.460959	0.060333953
Santa Clara	2025	Graders 600	Aggregate	Diesel	22610.25835	448529.8464	0.050409707
Santa Clara	2025	Cement And Mortar Mixers 15	Aggregate	Diesel	41.78316927	0	0
Santa Clara	2025	Concrete/Industrial Saws 50	Aggregate	Diesel	1930.85	46373.25	0.041637151
Santa Clara	2025	Pavers 100	Aggregate	Diesel	5953.429933	105302.6857	0.056536354
Santa Clara	2025	Pavers 175	Aggregate	Diesel	20029.0471	396810.4923	0.050475095
Santa Clara	2025	Pavers 50	Aggregate	Diesel	1081.691412	19006.8713	0.056910545
Santa Clara	2025	Pavers 600	Aggregate	Diesel	4307.285068	86090.8517	0.050031856
Santa Clara	2025	Rollers 100	Aggregate	Diesel	16723.88468	288202.3802	0.058028267
Santa Clara	2025	Rollers 175	Aggregate	Diesel	96142.98314	1900532.99	0.050587379
Santa Clara	2025	Rollers 50	Aggregate	Diesel	26991.70259	466572.4368	0.057851044
Santa Clara	2025	Rollers 600	Aggregate	Diesel	6693.619384	135971.1579	0.04922823
Santa Clara	2025	Forklifts 100	Aggregate	Diesel	23926.06331	413407.7221	0.057875221
Santa Clara	2025	Rough Terrain Forklifts 175	Aggregate	Diesel	153801.827	3046921.686	0.050477775
Santa Clara	2025	Rough Terrain Forklifts 50	Aggregate	Diesel	860.3462169	15341.2817	0.056080465
Santa Clara	2025	Rough Terrain Forklifts 600	Aggregate	Diesel	374.194169	7403.48546	0.050542973
Santa Clara	2025	Rubber Tired Dozers 100	Aggregate	Diesel	1167.988156	19764.42981	0.059095464
Santa Clara	2025	Rubber Tired Dozers 175	Aggregate	Diesel	3635.035594	71894.5699	0.050560642
Santa Clara	2025	Rubber Tired Dozers 50	Aggregate	Diesel	254.0414001	2755.607632	0.092190701
Santa Clara	2025	Rubber Tired Dozers 600	Aggregate	Diesel	24086.64521	531002.5375	0.045360697
Santa Clara	2025	Tractors/Loaders/Backhoes 100	Aggregate	Diesel	288082.0722	5099856.207	0.056488273
Santa Clara	2025	Tractors/Loaders/Backhoes 175	Aggregate	Diesel	305253.6681	6030710.589	0.050616534
Santa Clara	2025	Tractors/Loaders/Backhoes 50	Aggregate	Diesel	27112.6508	458754.1623	0.05910061
Santa Clara	2025	Tractors/Loaders/Backhoes 600	Aggregate	Diesel	98536.53641	1961131.028	0.050244749
Santa Clara	2025	Air Compressors 15	Aggregate	Diesel	777.2959601	0	0
Santa Clara	2025	Air Compressors 50	Aggregate	Diesel	55352.25	2008463.6	0.027559499

Operational Fuel Calculation—Project-Generated Operational Trips (Page 1 of 2)

California Air Resource Board (CARB). 2024. EMFAC2021 Web Database. Accessed July 18, 2024.

Source: EMFAC2021 (v1.0.2) Emissions Inventory
Region Type: County
Region: Santa Clara
Calendar Year: 2025, 2027
Season: Annual
Vehicle Classification: EMFAC2007 Categories
Units: miles/day for CVMT and EVMT, trips/day for Trips, kWh/day for Energy Consumption, tons/day for Emissions, 1000 gallons/day for Fuel Consumption

VMT = Vehicle Miles Traveled
FE = Fuel Economy

				Given					*Calculations*	
Region	Calendar Year	Vehicle Class	Model Year	Speed	Fuel	Population	VMT	Fuel Consumption	FE	VMT*FE
Santa Clara	2027	LDA	Aggregate	Aggregate	Gasoline	599340.5461	21995338.59	683.6454427	32.17360523	707669340.9
Santa Clara	2027	LDA	Aggregate	Aggregate	Diesel	1347.747654	38343.79498	0.846339065	45.30547693	1737183.919
									Sum of VMT*FE	**709406524.8**
									Total VMT	**22033682.39**
									Weighted Average Fuel Economy	**32.19645778**
Santa Clara	2027	LDT1	Aggregate	Aggregate	Gasoline	49888.15483	1593479.412	59.55116486	26.75815689	42638572.12
Santa Clara	2027	LDT1	Aggregate	Aggregate	Diesel	6.227876113	90.54084291	0.003510338	25.79262625	2335.286121
Santa Clara	2027	LDT2	Aggregate	Aggregate	Gasoline	301290.2885	10685987.29	407.8556534	26.20041478	279977299.3
Santa Clara	2027	LDT2	Aggregate	Aggregate	Diesel	1103.123196	39708.70156	1.130873027	35.11331566	1394304.173
Santa Clara	2027	MDV	Aggregate	Aggregate	Gasoline	165596.043	5720178.355	264.6026247	21.61799552	123658790.1
Santa Clara	2027	MDV	Aggregate	Aggregate	Diesel	2435.715095	83100.92035	3.166066111	26.24737369	2181180.91
									Sum of VMT*FE	**449852481.8**
									Total VMT	**18122545.22**
									Weighted Average Fuel Economy	**24.82280918**
Santa Clara	2027	LHDT1	Aggregate	Aggregate	Gasoline	19670.43158	736983.4892	72.1889698	10.20908722	7523928.722
Santa Clara	2027	LHDT1	Aggregate	Aggregate	Diesel	10848.43998	422662.2799	26.05556519	16.22157404	6856247.468
Santa Clara	2027	LHDT2	Aggregate	Aggregate	Gasoline	2509.54585	90648.20323	10.03569164	9.03258156	818787.2889
Santa Clara	2027	LHDT2	Aggregate	Aggregate	Diesel	5135.733672	196396.2345	14.4091058	13.6300085	2676882.346
Santa Clara	2027	MHDT	Aggregate	Aggregate	Gasoline	1408.047371	72579.59868	14.64691163	4.955283441	359652.4835
Santa Clara	2027	MHDT	Aggregate	Aggregate	Diesel	10767.25749	434295.527	50.58606333	8.585280183	3728548.782
Santa Clara	2027	HHDT	Aggregate	Aggregate	Gasoline	1.833105148	147.0377538	0.034402929	4.273989427	628.4378053
Santa Clara	2027	HHDT	Aggregate	Aggregate	Diesel	9011.070537	1021241.459	166.5223461	6.132759255	6263028.01
									Sum of VMT*FE	**28227703.54**
									Total VMT	**2974953.829**
									Weighted Average Fuel Economy	**9.488450967**
Santa Clara	2027	MCY	Aggregate	Aggregate	Gasoline	29075.79852	167761.7404	3.942407768	42.55311735	7138785.026
									Weighted Average Fuel Economy	**42.55311735**
Santa Clara	2027	MH	Aggregate	Aggregate	Gasoline	2196.553783	20762.4687	4.697824706	4.419592045	91761.64151
Santa Clara	2027	MH	Aggregate	Aggregate	Diesel	1025.713867	9821.237376	1.047626849	9.374747685	92071.62236
Santa Clara	2027	OBUS	Aggregate	Aggregate	Gasoline	407.82687	17375.96776	3.493138228	4.974314393	86433.52653
Santa Clara	2027	OBUS	Aggregate	Aggregate	Diesel	975.8725568	63044.61847	7.78107627	8.102300541	510806.4463
Santa Clara	2027	SBUS	Aggregate	Aggregate	Gasoline	188.598701	9259.271788	0.920690227	10.05688071	93119.39185
Santa Clara	2027	SBUS	Aggregate	Aggregate	Diesel	674.8267518	15110.62134	1.829504208	8.259407809	124804.7839
Santa Clara	2027	UBUS	Aggregate	Aggregate	Gasoline	46.49126432	4855.071828	0.523042141	9.282372205	45066.58379
Santa Clara	2027	UBUS	Aggregate	Aggregate	Diesel	397.2803536	44140.83036	4.826574835	9.145373659	403684.3873
									Sum of VMT*FE	**1447748.384**
									Total VMT	**184370.0876**
									Weighted Average Fuel Economy	**7.852403837**

Operational Fuel Calculation—Project-Generated Operational Trips (Page 2 of 2)

Total Operational VMT

Land Use	PROPOSED Annual VMT	EXISTING Annual VMT
Convenience Market with Gas Pumps	1,865,836.00	1,046,922
Parking Lot	2,861.42	0
TOTAL	1,868,697.42	1,046,922.00
NET	821,775.42	

Fleet Mix from CalEEMod

LDA	LDT1	LDT2	MDV	LHD1	LHD2	MHD	HHD	OBUS	UBUS	MCY	SBUS	MH	
52.264464	3.817004	23.428723	13.155659	2.362205	0.591933	0.952979	0.763949	0.106170	0.040638	2.203642	0.068418	0.244214	100.000

Vehicle Type	Fraction of 1	Annual VMT	Daily VMT	Average Fuel Economy (miles/gallon)	Total Daily Fuel Consumption (gallons)	Total Annual Fuel Consumption (gallons)	
Passenger Cars (LDA)	0.5226	429,497	1,177	32.20	36.5	13,340	52.26
Light Trucks and Medium Vehicles (LDT1, LDT2, and MDV)	0.4040	332,009	910	24.82	36.6	13,375	40.40
Light-Heavy to Heavy-Heavy Diesel Trucks	0.0467	38,386	105	9.49	11.1	4,046	4.67
Motorcycles	0.0220	18,109	50	42.55	1.2	426	2.20
Other	0.0046	3,776	10	7.85	1.3	481	0.46
Subtotal	*1.0000*	821,775	*2,251*	-	*86.8*	*31,667*	100.00
Delivery Trucks	-	2,861	8	6.13	1.3	467	
Total	-	*824,637*	*2,259*	-	*88.0*	*32,133*	

Project Operations Energy Use

kWh/yr = kilowatt hours per year
kBTU/yr = 1,000 British thermal units per year

Project

Land Use	Electricity (kWh/yr)	Natural Gas (kBTU/yr)	
Convenience Market with Gas Pumps	424,988.75	223,525.81	Source: CalEEMod
Parking Lot	1,591,200	0	Source: CalEEMod
Car Wash	24,691.37	0	Source: Electricity Rates and Plans for Car Washes (electricchoice.com)
Totals	*2,040,880.12*	*223,525.81*	

Existing

Land Use	Electricity (kWh/yr)	Natural Gas (kBTU/yr)
Convenience Market with Gas Pumps	179,953.00	94,648.00
Parking Lot	24,444.00	0.00
Totals	*204,397.00*	*94,648.00*